



**DELHI TECHNOLOGICAL UNIVERSITY**

# **MINUTES**

**of**

**51<sup>st</sup> Meeting**

## **BOARD OF MANAGEMENT**

**Date : 05.07.2024**

**Time : 11:30 a.m.**

**Venue : Room No. 307, 2<sup>nd</sup> Floor,  
Administrative Block,  
Delhi Technological University**

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**Shahbad Daulatpur, Bawana Road, Delhi-110042**

# INDEX

Item No.	Description	Page No.
Agenda 51.1	Opening remarks by the Vice Chancellor.	2 – 6
Agenda 51.2	Confirmation of the Minutes of 50 <sup>th</sup> meeting of the Board of Management held on 14.03.2024.	7
Agenda 51.3	Action taken report on the decisions taken in the 50 <sup>th</sup> meeting of the Board of Management held on 14.03.2024.	8 – 16
Agenda 51.4	Regarding transfer of Security Deposit from students to DTU Corpus Account.	17
Agenda 51.5	Approval of the minutes of the meeting(s) of promotion under Career Advancement Scheme (CAS) of DTU faculty members in the various departments of DTU.	18 – 21
Agenda 51.6	Engagement of Security Guards in DTU through nominated/ approved Government agencies/ PSUs.	22 – 23
Agenda 51.7	Engagement of Manpower (Highly Skilled, Skilled, Semi-Skilled & Un-Skilled) in DTU through nominated/ approved Government agencies/PSUs.	24
Agenda 51.8	To enhance the imprest amount from Rs. 50000/- (existing) to Rs. 1.5 Lacs (proposed) to purchase medicines and for other sundry expenditures in University Health Centre.	25
Agenda 51.9	To adopt procedure for admission in Ph.D programme as per UGC Regulations 2022.	26 – 27
Agenda 51.10	Revision of R. 12.1 and 12.2 of Ph.D Ordinance, DTU as per UGC (Minimum Standards and Procedure for Award of Ph.D Degree) Regulations, 2022.	28 – 29
Agenda 51.11	Regarding starting of M.Tech by Research Program in DTU from AY- 2024 25.	30 – 32
Agenda 51.12	Regarding Fee of M.Tech by Research Program, DTU.	33
Agenda 51.13	Admission modalities in M.Tech. programs and revised M.Tech. Scheme & Syllabus as per National Education Policy (NEP) 2020.	34 – 37
Agenda 51.14	Duration of DTU Fellowship for full time DTU Ph.D scholars.	38 – 39



Agenda 51.15	Shifting of all the MBA programs from USME to DSM, DTU and revised seat matrix.	40 – 42
Agenda 51.16	In principle approval of the proposal for creation of a new Interdisciplinary Department of Geospatial Sciences and Technology in DTU.	43 – 44
Agenda 51.17	Proposal for introduction of 02-year M.Sc Program in Geospatial Sciences at Multidisciplinary Centre for Geoinformatics, DTU w.e.f. Jul/Aug 2024.	45 – 47
Agenda 51.18	Approval for establishment of Centre of Excellence in Disaster Risk Reduction (COEDRR) in the Department of Civil Engineering, DTU.	48 – 49
Agenda 51.19	Online Executive MBA program to be launched at USME.	50
Agenda 51.20	Approval of Restructuring of Industrial Research & Development (IRD) Office as Research and Development (R&D) Office its Role, Responsibilities and Administrative Structure.	51 – 52
Agenda 51.21	Approval of Roles, Responsibilities and Administrative Structure of Corporate Relationship Office at DTU.	53
Agenda 51.22	Approval of Research & Development Schemes for Faculty.	54
Agenda 51.23	Approval of Policy for Corporate Social Responsibility (CSR) at DTU.	55
Agenda 51.24	Approval of Policy for Chair Professorship at DTU.	56
Agenda 51.25	Approval of Policy for Technology Transfer at DTU.	57
Agenda 51.26	Approval of revised guidelines for evaluation of B.Tech, M.Tech Major Project-II and M.Sc. Major Project.	58 – 66
Agenda 51.27	Approval of Mandatory Publication Requirement for Award of Ph.D Degree –Discipline of Design.	67 – 68
Agenda 51.28	Approval for Establishment of Centre for Community Development and Research.	69
Agenda 51.29	Approval for creation of office of Dean (Digital Education).	70 – 72
Agenda 51.30	Approval for creation of Centre of Executive Education and position of Director and Associate Director.	73 – 74

Agenda 51.31	Approval for Establishment of Nodal Centre of Excellence in Energy Transition.	75
Agenda 51.32	To add 10%-20% Supernumerary seats for girls in all B.Tech programs of DTU.	76
Agenda 51.33	Engagement of Adjunct Faculty, Professor Emeritus, Honorary faculty and Visiting Faculty in the Academic Departments of the University.	77 – 79
Agenda 51.34	Clearing/ Closing the Probation period of the Assistant Professor(s) appointed in DTU.	80
Agenda 51.35	Nomination of members for Planning Board of the University.	81
Agenda 51.36	Updation and Revision of DTU House Allotment Rules.	82 – 85
Agenda 51.37	Matter for Ratification: i. Record retention policy of digital content related to Admission Test in various programmes. ii. Extension of period of Teaching and Non-Teaching staff of DTU. iii. Extension of period of contract of Contractual faculty in DTU. iv. Extension of period of contract of Assistant Professors (on contractual basis) in DTU. v. DTU Innovation and Start-Up Policy for Faculty and Students. vi. Revision of Fee for Issue/ Attestation/ Verification of various types of certificates. vii. Probation Clearance/Closing in respect of Dr. Aditya Kaushik, Assistant Professor.	86 – 91
Agenda 51.38	Matter for Information. i. Relieving of non-teaching staff of the University. ii. Joining of teaching staff of the University. iii. Demise of Non-Teaching Staff while in service.	92
Agenda 51.39	Any other item with the permission of the Chair.	93
Supplementary Agenda 51.40	Revised Fee Structure for AY 2024-25.	93
Supplementary Agenda 51.41	Ex-Post Facto approval for starting M.Des with specialization in 'Transportation and Service Design' and 'Lifestyle and accessory design' from the year 2022-23 onwards.	93 – 94
	ANNEXURE	1 – 132

# Delhi Technological University

(Estd. by Govt. of NCT of Delhi vide Act 6 of 2009)

(Formerly Delhi College of Engineering)

No.F.DTU/Council/BOM-Meetings/65/2024/486

Date : 18/7/2024

**Minutes of 51<sup>st</sup> meeting of the Board of Management of Delhi Technological University held on 5<sup>th</sup> July, 2024 at 11:30 a.m. in Room No. 307, 2<sup>nd</sup> Floor, Admin Block, DTU, Delhi.**

**The following were present:**

1. Prof. Prateek Sharma, Vice Chancellor, Delhi Technological University.
2. Ms. Alice Vaz R., IAS, Secretary, Higher Education/ Training and Technical Education, Government of NCT of Delhi
3. Sh. Dinesh Gandhi, Dy. Secretary, Finance, Government of NCT of Delhi (Nominee of Pr. Secretary, Finance, Government of NCT of Delhi).
4. Sh. R. K. Bhardwaj, Dy. Director (SB), Training and Technical Education, Government of NCT of Delhi (Nominee of Secretary, Training and Technical Education).
5. Prof. Madhusudan Singh, Registrar, DTU

Following persons also joined the meeting as Special Invitees:

1. Prof. Nirendra Dev, Controller of Finance, DTU
2. Prof. Roli Purwar, Associate Dean (IRD), DTU

## **Agenda 51.1 : Opening remarks by the Vice Chancellor.**

Hon'ble Vice Chancellor welcomed Ms. Alice Vaz R., Secretary, (Training & Technical Education and Higher Education) Government of NCT of Delhi, Shri Dinesh Gandhi, Dy. Secretary (Finance) Government of NCT of Delhi, Shri R. K. Bhardwaj, Deputy Director (SB), Training & Technical Education, Government of NCT of Delhi, Prof. Madhusudan Singh, Registrar, DTU and other invited members in 51<sup>st</sup> meeting of the Board of Management.

The Vice Chancellor apprised the Hon'ble members of the Board of Management about the achievements of the University since last meeting of the Board.

### **A. Achievements of students**

1. UAS-DTU. recently participated in the prestigious International Conference of Unmanned Aircraft Systems (ICUAS), Chania, Greece competition and received 2<sup>nd</sup> place in the Simulation Phase, 3<sup>rd</sup> place in the final phase of the international UAV competition.
2. Shashwat Dalal, a B.Tech final year Computer Science student has been selected to represent India at the prestigious Australia Open 2024 (SUPER 500)

### **B. Innovation Awards and Prizes won by the Students**

1. Startup founder Mr. Saksham Mishra won idex challenge in Feb 2024 on Air force problem statement "Simulator System for Force on Force training of IAF Garud Commandos" with grant support 1.5 Cr from Defense Innovation Organization.
2. Startup founder Mr. Rahul Gupta won idex challenge on 31st May 2024 on BRO problem statement "Recce & Survey Drone to provide a soft strata heat map of the different sediment types and bedrock along with likely slide-prone zones to enable more accurate survey and planning of road alignments" with grant support 1.5 Cr from Defense Innovation Organization.
3. Student startup founder Mr. Nirmal Kumar Yadav won 7 lakhs innovation award in May 2024 from AICTE (Yukti Scheme) on his project "A cuttingedge solar energy solution for efficient generation, storage, real-time monitoring, and intelligent control of renewable energy."
4. Student startup founder Mr. Hardik Lal won 3 lakhs innovation award in May 2024 from AICTE (YUKTI scheme) on his project "All-in-one Diagnostic Medical Device capable of measuring Spo2, Blood Pressure, Pulse Rate, Respiratory Rate and Body Temperature."
5. Mr. Shivam Gupta won the 5G Hackathon for Law Enforcement Agencies in May 2024 on problem statement "App for 5G enabled Drones (control and data) for surveillance, security and safety". He will work with Delhi Police to develop the solution and the Ministry of home affairs will fund this project.

### **C. Achievements of Industrial Research & Development Cell**

University provides financial and administrative assistant to inventor of DTU to file patents and other IPR activities. Current Statistics:60 patents filed; 26 Patents granted in the name of DTU. Since January 2024, 10 patents granted in the name of DTU, and 8 new patents filed.

IRD office has organized a workshop on “Intellectual Property Right (IPRs) and IP Management for Start-up” on 22 May 2024. Further, IRD section has constituted Innovation Awards for Inventor of DTU.

### **D. Centre of Community Development and Research (CCDR)**

DTU is in the process of establishing a Centre of Community Development and Research (CCDR). This centre will be a multidisciplinary research centre to develop technologies related to rural and urban communities. The primary focus of the proposed centre will be on the local societal problems of the community and their technical solutions to enhance the sustainable livelihood of communities. The proposed areas of research relevant to the various sectors shall be centred around drones applications for civil and defence sector, frugal and grassroots innovations, management of traffic, assistive technologies, water and wastewater management, cyber security amongst many others. Focusing on the central ideas of accessibility and affordability, the centre shall also focus on cost-effective solutions for community problems within the limited resource framework of a developing country like India.

Centre will suggest research agenda based on problem statements as per the need of Community, Government, Autonomous Bodies, Private Sector Organizations, etc. aligned with SDGs. Further it will map and share the problem statements among research community within the university. CCDR will also suggest various Government/Non-Government funding schemes for conduction research and developing innovative solutions. Centre will also explore avenues for commercialization of the solutions and transfer of technology. A communication strategy will be devised to disseminate research findings, best practices through publications, workshops, conferences, online platforms social media, websites, newsletters, and media relations, to reach diverse audiences. University teams are working to finalise the CCDR proposal and exploring industry/CSR collaboration.

The centre was also approved by Academic council in its 39<sup>th</sup> meeting held on 19.06.2024.

## **E. Academic and Student Welfare Activities**

1. DTU has been established as SWAYAM-NPTEL Local Chapter with id LC ID-6497.
2. Fee waiver of Rs. 9,49,60,150/- to 829 UG and 33 PG students, was given in AY 2023-24.
3. New programs like M.Tech by Research and Integrated B.Sc-M.Sc in 05 different disciplines started w.e.f. AY 2024-25.
4. Enhanced DTU Ph.D fellowship from 2024 from INR 32,500 to INR 40,300/- per month per student.
5. Admission process for all UG, PG and Ph.D programs have been started for AY 2024-25.
6. Signed MOU with Art of Living for including value based education in the curriculum as per NEP 2020.

## **F. DTU-IIF: Achievements and Initiatives (2024)**

### **(I) DTU supported Incubation Program:**

1. DTU-IIF is currently having 56 start-ups under pre-incubation and incubation stage. Out of these 35 start-ups have already registered their companies.
2. Under DTU incubation program 15 start-ups are in revenue stage and they have earned a revenue of 20 Crore in FY2023-24.
3. These start-ups have raised 32 Crore investment from external investors. Current valuation of DTU-IIF start-ups is approximately 400 Crore.
4. About 250 employments are generated by DTU-IIF start-ups.
5. These startups are mainly working in the area of Clean tech, drone, EV, Fin Tech, Ed-Tech, Personal care, Marketing, etc.

### **(II) New Initiatives**

1. Centre for community development and Research
2. Drone Training Centre
3. Paytm supported Centre of Excellence for Entrepreneurship Development
4. Startup model to encourage innovations for de-centralised solar energy generation.

## **G. Recruitment Cell**

As per the Guidelines for Appointment of Adjunct Faculty, Professor Emeritus, Honorary Faculty and Visiting Faculty, the University advertised the posts of Adjunct Faculty, Professor Emeritus, Honorary Faculty and Visiting Faculty in various academic department of the University vide Advertisement dated 17-04-2023 & 29.12.2023.



In response to these advertisements, total 100 number of applications have been received and 30 candidates recommended by the Selection Committee for engagement against these positions.

#### **H. IQAC**

1. DTU has its 17 programs (8 UG, 8 PG and 1 MBA) accredited by National Board of Accreditation (NBA). For further accreditation, out of 8 UG program, Pre-qualifier of 02 UG Programs namely, Civil Engineering & Electrical Engineering has been submitted and approved by NBA. Now, the submission of Self-Assessment Report is in process for uploaded on NBA portal.
2. 123 CAS applications of faculty members have been scrutinized out of which 61 forms as per 6 CPC and 62 forms as per 7 CPC have been scrutinized. Interviews for CAS promotions has been conducted and recommendations of Selection Committee submitted for approval of the Board of Management.
3. IQAC has successfully coordinated the Performance Audit of the university.
4. Annual report of AY 2022-23 has been approved by the University Court and shall be placed on floor of the Assembly.

#### **I. Facilities created for the welfare of Students, Staff and Faculty Members**

- Kendriya Bhandaar – started in April 2024
- Mother Dairy – Inauguration scheduled on 12<sup>th</sup> July 2024
- Pradhan Mantri Jan Aushadhi Kendra – Inaugurated on 19<sup>th</sup> June 2024 and functional
- HPMC (Himachal Pradesh Produce Marketing & Processing Corp. Ltd.) – Operational - Inside the VLB
- Girls Hostel – Juice Counter - To fulfil the high demand of the VLB Hostellers (Girls)
- Nescafe Extn. - Kiosk – Operational– Beside the Central Library - Beverage & Snacks.
- EDC Canteen - The Veer - Awarded – Operational - Healthy & Hygienic Meal
- Pragya Bhawan – DOSA Plaza – Operational
- Food Court Service in Raj Soin Hall is operational
- M/s Maurice Dalmeida – Operational – Healthy & Hygienic Meal with Multiple variety
- M/s Dazzeldine – Operational - Beverage & Snacks.
- M/s Jubilant Food Works Ltd. (Dominos Outlet) – Awarded



## **J. Placement Statistics**

In the academic year 2023-24 (As on 14.06.2024) a total of 296 companies visited the campus and have made 1615 jobs offers to students from various streams of UG & PG programs in diverse fields of engineering and technology. DTU has a very good placement record:

- Highest Package at Rs. 85.3 LPA (Atlassian)
- Average Package overall at Rs. 14.45 LPA
- Average Package for B. Tech. Rs. 15.60 LPA

The top recruiters include Google, Microsoft, Atlassian, Uber, Texas Instruments, Salesforce, Adobe, Sprinkler, Intuit, Bain etc.

**Agenda 51.2 : Confirmation of the Minutes of 50<sup>th</sup> meeting of the Board of Management held on 14.03.2024.**

Minutes of the 50<sup>th</sup> meeting of the Board of Management held on 14.03.2024, were circulated among all the members vide no. DTU/ Council/ BOM-Meeting/ 56/ 2023/ 454 dated 28.03.2024. No comments received from any Member. A copy of the Minutes was placed at *Annexure pages 01 to 95* in the Agenda note.

**Decision : The Board of Management confirmed the minutes of the 50<sup>th</sup> meeting of the Board of Management held on 14.03.2024.**

**Agenda 51.3 : Action taken report on the decisions taken in the 50<sup>th</sup> meeting of the Board of Management held on 14.03.2024.**

The Board of Management is informed that 40 Agenda items were discussed in 50<sup>th</sup> meeting held on 14.03.2024. An office letter no. F.DTU/Orders/BOM/25/2014/Vol.-III/465 dated 22.05.2024 was issued to all concerned regarding decisions of the Board of Management and to submit Action Taken Report. The Agenda items, decisions taken and the action taken thereon by the University are as under for information of the Board:

Item No.	Agenda Item	Decision Taken	Action Taken Report
50.1	Opening remarks by the Vice Chancellor.	Noted.	Matter of record.
50.2	Confirmation of the Minutes of 49 <sup>th</sup> meeting of the Board of Management held on 06.12.2023.	The Board of Management confirmed the minutes of the 49 <sup>th</sup> meeting of the Board of Management held on 06.12.2023.	Matter of record.
50.3	Action taken report on the decisions taken in the 49 <sup>th</sup> meeting of the Board of Management held on 06.12.2023.	The Board of Management took the above Action Taken Report of 49 <sup>th</sup> meeting on record.	Matter of record.
50.4	Broad Guidelines for Twinning, Dual Degree and Joint Degree programs to be offered by the Delhi Technological University and foreign higher educational institutions.	The Board of Management considered the recommendations of the Academic Council regarding Broad Guidelines for Twinning, Dual Degree and Joint Degree programs to be offered by the Delhi Technological University and foreign higher educational institutions. The Board in principle approved the guidelines subject to the following conditions: 1. Financial implications are to be borne by the students (opting these programs) and DTU. 2. As far as signing of MOU with foreign university is concerned, DTU may proceed as per provision in DTU Act, 2009 and proposals for signing MOU with foreign universities will be sent to the Government for approval.	Will be implemented from the next session 2024-25.

50.5	Eleven M.Tech. courses to kept in abeyance for the academic year 2023-24.	The Board of Management considered and approved the recommendations of the 38th meeting of the Academic Council held on 07.03.2024 for keeping the above mentioned 12 M.Tech courses in abeyance for the academic year 2022-23 and also approve to keep in abeyance 11 M.Tech courses for the academic year 2023-24.	An office order no. F.No. 104/Acad-Pg/M.Tech/Admission/2023-24/10175-80 has been issued in this regard.
50.6	Starting of MBA (Executive) - Data Sciences and Analytics in University School of Management & Entrepreneurship (USME).	The Board of Management considered and approved the recommendations of the Academic Council for starting MBA (Executive) - Data Sciences and Analytics PG program in University School of Management & Entrepreneurship (USME) w.e.f. academic year 2023-24.	Implemented from the Academic Year 2023-24.
50.7	Adoption of National Educational Policy (NEP) 2020 notified by the Ministry of Education, Government of India, by Delhi Technological University.	The Board of Management considered and approved for adoption of National Educational Policy (NEP) 2020 notified by the Ministry of Education, Government of India by Delhi Technological University.	Implemented NEP 2020 in the University.
50.8	Starting of Four-Year BBA Honors/ BBA Honors with Research program.	The Board of Management considered and approved the recommendations of Academic Council in its 35 <sup>th</sup> meeting for starting of Four-Year BBA Honors/ BBA Honors with Research program.	The Four-Year BBA (Hons) program was launched in AY 2023-24 and students admitted.
50.9	Starting of Four-Year BA Honors/ BA Honors with Research in Economics program.	The Board of Management considered and approved the recommendations of Academic Council in its 35 <sup>th</sup> meeting for starting of Four-Year BA Honors/ BA Honors with Research in Economics program.	The Four-Year BA (Hons) program was launched in AY 2023-24 and students admitted.
50.10	Annual Report – 2022-23 of the University.	The Board of Management considered and approved the Annual Report-2022-23 of the University to be presented in the next meeting of the University Court.	Annual Report 2022-23 of the University has been printed and sent to TTE for placing it before the Legislative Assembly.

50.11	Revision of Fellowship amount for Ph.D. Scholars under the DTU Fellowship.	The Board of Management considered and approved the revision of fellowship amount for Ph.D. scholars under the DTU Fellowship and contingency amount w.e.f. 1 <sup>st</sup> January 2024.	Notified vide notification no. DTU/PhD/All Deptt/ 3747-52 dated 22.04.2024.
50.12	Revision of guideline for Industrial Visits by DTU students.	The Board of Management considered and approved the recommendations of the 31 <sup>st</sup> meeting of the Finance Committee held on 29.01.2024 regarding the revised Guidelines for Industrial Visits by DTU students.	Guidelines have been notified vide notification no. F.DTU/ Council/ BoM-AC/ Notification/ 31/ 2018/ 486 dated 10.07.2024.
50.13	Regarding Sweep-in facility in Registrar, DTU Accounts in SBI, DCE branch.	The Board of Management considered and approved the recommendations of the 32 <sup>nd</sup> meeting of the Finance Committee held on 05.03.2024 regarding the Sweep-in facility in all DTU Accounts in SBI, DCE branch.	Sweep-in facility adopted in all University accounts.
50.14	Engagement of Skilled and Semi-Skilled Workmen through outsourcing agency.	<p>The Board of Management considered and approved for engagement of Skilled and Semi-Skilled Workmen through outsourcing agency M/s. Sai Ram Security and Placement Service.</p> <p>The Board also advised to initiate process for recruitment on regular basis against the sanctioned posts in place of outsourcing or contractual appointment.</p>	As approved, the work order issued to M/s. Sai Ram Security and Placement Service to take over work w.e.f. 01.07.2024.
50.15	Housekeeping and Sanitation Services in DTU.	The Board of Management considered and approved for engagement of manpower through outsourcing Housekeeping and Sanitation agency in DTU as per details vetted by PWD regarding strength of sanitation staffs required as per the SIU norms.	Deployment of sanitation staff as per requirement and SIU norms.
50.16	Engagement of MTS on outsource basis in DTU.	The Board of Management considered and approved the recommendations of the 32 <sup>nd</sup> meeting of the Finance Committee held on 05.03.2024 regarding engagement of MTS on outsource basis in DTU to cater the present need of manpower in different academic departments, research centres and offices/hostels etc.	Matter has been processed. The file has been forwarded to the Planning Branch for further necessary action.

		The Board advised to take one-time ex-post-facto approval of the Government on total strength of MTS including already deployed MTS staff through outsourcing agency and additional requirement of MTS in the University.	
50.17	Engagement of Apprentice Trainees.	The Board of Management considered and approved the recommendations of the 32nd meeting of the Finance Committee held on 05.03.2024 regarding engagement of Apprentice Trainees.	Appropriate Trainees engaged in different departments.
50.18	Revised fee structure of M3 mode for the admission of international students for FY 2024-25.	The Board of Management considered and approved the recommendations of the Finance Committee and the Academic Council regarding revised Fee Structure of M3 mode for the admission of international students for FY 2024-25.	Implemented in the 2024-25 admissions for foreign nationals. Also mentioned in the Admission Brochure.
50.19	Regarding consideration of DTU M.Tech. Fee comparable to IIT-Delhi fee i.e. ₹1,25,000/- per year.	The Board of Management considered and approved the recommendations of the 32 <sup>nd</sup> meeting of the Finance Committee held on 05.03.2024 regarding the M.Tech. Fee for DTU students i.e. ₹1,25,000/- per year for students who will be admitted in academic session 2024-25.	Fee for AY 2024-25 notified.
50.20	Sanction of additional faculty posts in Economics Discipline, USME, DTU against new PG program MA Economics and additional Fourth Year coursework of Four-Year Undergraduate Program BA (Hons.) Economics.	The Board of Management considered and recommended that the proposal for creation of faculty positions in Economics Discipline, USME, DTU for new PG program, M.A. Economics and additional Fourth Year coursework of FYUP BA Economics (Hons), along with the financial implications be sent to the Government for approval.	File for creation of position forwarded to Planning branch.
50.21	Memorandum of Understanding (MoU) with other Universities for implementation.	The Board of Management deliberated on the matter and suggested to send the proposal of signing of MOU with foreign Universities/Institutions as per the DTU Act, 2009 to the Government for approval.	Subject to the approval from the Government.

50.22	Implementation of Scheme/ Guidelines for Appointment on Compassionate Ground in DTU.	The Board of Management considered and approved the Procedure, Policy and Criterion for appointment on Compassionate Ground in Delhi Technological University. The Board emphasized to stick to the priority and master points as notified by the Government in this regard.	The Guidelines for Appointment on Compassionate Ground in DTU have been notified by Estt. Branch vide notification no. F.1/2-887/ 2023/ Estt./ DTU/414 dated 15.05.2024.
50.23	Proposal for short term appointment of subject expert consultant in Vigilance Section, DTU.	The Board of Management considered and advised to send the proposal to the Government with respect to Government Order dated 05.07.2023.	Proposal submitted to DTTE, Govt. of Delhi.
50.24	Clearing/ Closing the Probation period of the Associate Professors and Assistant Professors appointed in DTU.	The Board of Management considered and approved the recommendations of the committee for closing/clearing the probation period of the above mentioned 47 faculty members (04 Associate Professors and 43 Assistant Professors) appointed in DTU.	Office order No. F.1/2-790/ 2019/Estt./DTU/149 dated 22.04.2024 has been issued.
50.25	Proposal for creation of post and Recruitment Rules (RRs) of Librarian, Deputy Librarian and Assistant Librarian.	The Board of Management considered and recommended to send the proposal to the Government for creation of additional posts and Recruitment Rules of Librarian, Deputy Librarian and Assistant Librarian with stipulation to keep nomenclature, RRs and pay-scales as per UGC Regulations.	Proposal for creation of post and Recruitment Rules (RRs) of Librarian, Deputy Librarian and Assistant Librarian is under process.
50.26	Revision/Review of Recruitment Rules (RRs) for various ministerial posts of the University.	The Board of Management considered and approved revised Recruitment Regulations (RRs) for the non-UGC cadre posts of Multi-Tasking Staff (MTS), Junior Office Assistant (JOA), Office Assistant (OA)/ Data Entry Operator (DEO), Senior Office Assistant (SOA) and Section Officer of the University as per 7th CPC. The Board further deferred the matter pertaining to RRs for Registrar cadre posts including Assistant Registrar and Deputy Registrar, till endorsement of UGC notification dated 30.01.2018 by the Government.	RRs for Multi-Tasking Staff (MTS), Junior Office Assistant (JOA), Office Assistant (OA)/ Data Entry Operator (DEO), Senior Office Assistant (SOA) and Section Officer have been notified.



50.27	Framing/ review of the Guidelines for contingency utilization in r/o full time Ph.D. Research Scholars who are getting DTU fellowship.	The Board of Management considered and approved the Guidelines for contingency utilization in r/o full time Ph.D. Research Scholars who are getting DTU fellowship as per heads mentioned in Table-2 with no capping on expenditure under sub-heads.	Notified vide notification no. 105-64/Acad-PG/ Review in DTU Contingency/2023/3798 -3803 dated 23.04.2024.
50.28	Re-composition of Board of Studies (BoS) of all Academic Departments of the University.	The Board of Management considered the recommendations of academic council and approved the new composition of Board of Studies (BoS) for all Academic Departments.	Implemented.
50.29	Starting of five-year integrated PG programs in various departments of DTU w.e.f. academic year 2024-25 as per NEP 2020.	<p>The Board of Management considered and approved in principle for starting of five-year Integrated M.Sc. Programs in Applied Mathematics, Applied Physics, Applied Chemistry, Humanities and Biotechnology Departments of DTU in the subjects as mentioned above w.e.f. Academic Year 2024-25 as recommended by the Academic Council.</p> <p>The detailed curriculum and manpower/ infrastructure requirements in starting these integrated programs shall be presented to respective statutory bodies in their forthcoming meetings.</p>	The process for finalizing admission modalities AY 2024-25 of the program has been initiated. Scheme, Syllabus and other modalities placed in the meeting of Heads/Deans/Branch Incharges chaired by Hon'ble VC held on 13.04.2024. The fee structure presented before FC in its meeting held on 20.05.2024.
50.30	Revision in the Seat Matrix of International admission from M1, M2 and M3 mode and other revisions in admission brochure for academic year 2024-25.	The Board of Management considered and approved the revised Seat Matrix for International Admissions in M1, M2 and M3 modes and other revisions in Admission Brochure for academic year 2024-25 as recommended by the Academic Council.	Implemented in the 2024-25 admissions for foreign nationals. Also mentioned in the Admission Brochure.
50.31	Starting a certificate course titled as "Certificate Course for Yoga & Wellness" by the Centre for Extension and Field Outreach, DTU.	The Board of Management considered and approved for starting a certificate course titled as "Certificate Course for Yoga & Wellness" by the Centre for Extension and Field Outreach, DTU as recommended by the Academic Council.	Certificate Course for Yoga & Wellness will be started from forthcoming academic session.

50.32	Guidelines for Innovation Research Awards for the Inventors of Delhi Technological University.	The Board of Management considered and approved for implementation of Guidelines for Innovation Research Awards for the Inventor of Delhi Technological University as recommended by the Academic Council.	Guidelines have been notified vide notification no. F.DTU/ Council/ BoM/ Notification/ 66/ 2024/ 481 dated 03.07.2024.
50.33	Proposal for Executive Education Programme at Delhi School of Management (DSM).	The Board of Management considered and approved the guidelines for Executive Education Programme at Delhi School of Management (DSM), DTU as recommended by the Academic Council.	The process has been initiated for implementation.
50.34	Modified Revised Budget Estimates 2023-24.	The Board of Management considered and approved the recommendations of the Finance Committee regarding modified revised Budget Estimates 2023-24	Since admission process had already been started, it may be implemented from next academic year 2025-26.
50.35	Proposal for increase in seats intake of MBA programme in DSM from the current strength of 150 to 180, and revised seat matrix.	The Board of Management considered and approved the proposal of increase in student intake in MBA programme of DSM from the current strength of 150 to 180 and new seat matrix as recommended by the Academic Council.	Since admission process had already been started, it may be implemented from next academic year i.e. 2026-26.
50.36	Recommendations of the Committee for CAS promotion of faculty members.	The Board of Management considered and approved the para 1 to 5 and para 7. The Board approved "(a)" for para 6 and "(a)" for para 8.	Clarification in this regard has been issued by Estt. Branch vide no. F.DTU/IQAC/2023/CAS /154/777 dated 27.06.2024
50.37	Report of Preliminary Fact Finding Enquiry Committee against Dr. A.K. Srivastava and Dr. Vivek Tripathi.	The Board of Management considered the report of the Preliminary Fact Finding Committee and opined for initiation a regular departmental inquiry against Dr. Vivek Tripathi, Assistant Registrar and Dr. A.K. Srivastava, Former Director Physical Education.	The inquiry against Dr. Vivek Tripathi, Assistant Registrar and Dr. A.K. Srivastava, Former Director Physical Education is initiated and underway..
50.38	Matter for Ratification: i. Honorarium to Inquiry Officer and Presiding Officer for conducting vigilance inquiries.	The Board of Management considered and ratified the points no. (i) to (ix).	i. Annual Report was placed before the University Court in its last meeting. ii. The Budget has been sent to Administrative Department for further action.

	<ul style="list-style-type: none"> <li>ii. Fee to be paid to Mrs. Avnish Ahlawat, Advocate, Standing Counsel of DTU for arbitration matters/cases of DTU.</li> <li>iii. Fee to be paid to DTU Counsel for defending the case in Hon'ble Supreme Court.</li> <li>iv. Appointment of Ombudsperson for Delhi Technological University as per UGC Regulation, 2023.</li> <li>v. Delegation of power of the Registrar to other officers of DTU under Clause 10 (7) of the DTU (First) Statue for signing of Lease Agreement for North Delhi P.G. for hostel facilities for international students.</li> <li>vi. Extension of Teaching/ Non-Teaching staff of the University.</li> <li>vii. Promotion of Non-Teaching staff.</li> <li>viii. Re-employment of non-teaching staff of the university.</li> <li>ix. MOU between Dr. Ambedkar University Delhi and Delhi Technological University.</li> </ul>		
50.39	<p>Matter for Information:</p> <ul style="list-style-type: none"> <li>i. Status Report regarding Disciplinary Enquires, Vigilance Section.</li> </ul>	Noted.	Matter of record.

	<ul style="list-style-type: none"> <li>ii. Joining of Non-Teaching staff in the University.</li> <li>iii. Relieving of non-teaching staff of the University.</li> <li>iv. Relieving of teaching staff of the University.</li> <li>v. The 9th and 10th Convocation of the University.</li> <li>vi. The Grades obtained for A.Y. 2022-23 and A.Y. 2021-22 in Academic Audit.</li> </ul>		
50.40	Any other item with the permission of the Chair.	other matter	Noted.

**Decision : The Board of Management took the above Action Taken Report of 50<sup>th</sup> meeting on record.**

**Agenda 51.4 : Regarding transfer of Security Deposit from students to DTU Corpus Account.**

It was apprised to the Board of Management that as per audit observations "An amount of Rs.4,46,30,446/- lying as unclaimed deposit from students in liabilities side of Balance Sheet of Delhi Technological University". As per fee structure of B.Tech, M.Tech & MBA programme security deposit (Refundable) amounting to Rs.5000/- has been collected from the students upto the session of 2015-16. Thereafter, in revised notification dated 05.04.2017 collection of Security Deposit from students has been stopped. As per Rule of 189 of Receipts & payments Rules 1983, Deposits unclaimed for more than 03 years shall be deposited in Government account/receipts keeping necessary note in Security Deposited Register.

*The Finance Committee, DTU considered the matter in its 33<sup>rd</sup> meeting held on 20.05.2024 and suggested that the said amount may be deposited in DTU Corpus Account and recommended the agenda to the Board of Management for its approval.*

In view of the above, it was proposed that the above said amount of Rs.4,46,30,446/- lying as unclaimed deposit from students may be transferred to DTU Corpus Account.

**Decision : The Board of Management considered the recommendations of Finance Committee and approved for transfer of Security Deposit from students to DTU Corpus Account.**



**Agenda 51.5 : Approval of the minutes of the meeting(s) of promotion under Career Advancement Scheme (CAS) of DTU faculty members in the various department of DTU.**

It was apprised that meeting(s) of Screening/Selection Committee for promotions under Career Advancement Scheme (CAS) from Assistant Professor Level 10 (**Stage 1**) to Assistant Professor Level 11 (**Stage 2**) & Assistant Professor Level 11 (**Stage 2**) to Assistant Professor Level 12 (**Stage 3**) and Assistant Professor Level 12 (**Stage 3**) to Associate Professor Level 13 A (**Stage 4**) and Associate Professor Level 13 A (**Stage 4**) to Professor Level 14 (**Stage 5**) were held on 30.05.2024, 03.06.2024 & 06.06.2024. The department wise schedule of the CAS meeting(s) is as under:

Sr. No.	Name of Department	Number of Candidate	Stage	Date & Time
1.	Applied Physics	01	Stage 2 to 3	30.05.2024 (Thursday) 10:00 a.m.
2.	Computer Science and Engineering	01	Stage 4 to 5	30.05.2024 (Thursday) 11:00 a.m.
3.	Information Technology	01	Stage 1 to 2	
4.	Electronics & Communication Engineering	01	Stage 1 to 2	30.05.2024 (Thursday) 12:30 p.m.
5.	Civil Engineering	02	Stage 4 to 5	30.05.2024 (Thursday) 02:00 p.m.
6.	Management-DSM	02	Stage 1 to 2	30.05.2024 (Thursday) 03:00 p.m.
7.	Management-USME	02	Stage 1 to 2	
8.	Mechanical Engineering	03	Stage 4 to 5	03.06.2024 (Monday) 10:00 a.m.
9.	Electrical Engineering	04	Stage 1 to 2	03.06.2024 (Monday) 02:00 p.m.
10.*	Mechanical Engineering	01	Stage 4 to 5	06.06.2024 (Thursday) 02.00(p.m.)

**\* As per the Order dated 03.06.2024 of Hon'ble High Court Delhi under W.P.(C) 8586/2024, C.M. No.s.35140-3514/2024 directed in the case of Dr. Pushpendra Singh, Department of Mechanical Engineering that the outcome of the interview shall be kept in sealed cover by the respondent and shall be subject to the outcome of the petition.** Therefore, in compliance of the Hon'ble High court order dated 03.06.2024, the Minutes of Selection committee in respect of Dr. Pushpendra Singh be kept under sealed envelope.

Further, the Minutes of the meeting of Screening/ Selection Committees for the promotion under Career Advancement Scheme (CAS) from Assistant Professor Level 10 (**Stage 1**) to Assistant Professor Level 11 (**Stage 2**) & Assistant Professor Level 11 (**Stage 2**) to Assistant Professor Level 12 (**Stage 3**) and Assistant Professor Level 12 (**Stage 3**) to Associate Professor Level 13 A (**Stage 4**) and Associate Professor Level 13 A (**Stage 4**) to Professor Level 14 (**Stage 5**) of DTU faculty in the various departments **have been kept under 08 sealed envelopes** as detail below:

Sr. No. of Envelopes	Name of Department	Date of CAS Meetings
1.	Applied Physics	30.05.2024
2.	Computer Science & Engineering	
3.	Information Technology	
4.	Electronics & Communication Engineering	
5.	Civil Engineering	
6.	DSM & USME	
7.	Electrical Engineering	03.06.2024
8.	Mechanical Engineering	

The Board of Management was requested to permit to open the sealed envelopes of the Minutes of Selection Committee Meeting (except the Minutes of Selection Committee Meeting of the Dr. Pushendra Singh, Associate Professor, Mech. Engg.) and consider & approve the Minutes of the Screening/Selection committee CAS) from Assistant Professor Level 10 (**Stage 1**) to Assistant Professor Level 11 (**Stage 2**) & Assistant Professor Level 11 (**Stage 2**) to Assistant Professor Level 12 (**Stage 3**) and Assistant Professor Level 12 (**Stage 3**) to Associate Professor Level 13A (**Stage 4**) and Associate Professor Level 13A (**Stage 4**) to Professor Level 14 (**Stage 5**).

**Decision :** The Board of Management considered and approved the recommendations of the Screening/Selection Committee for promotion under Career Advancement Scheme (CAS) of DTU faculty members in various departments of DTU as under:

S. No.	Name of Faculty	Department	Promoted to	Date of Promotion
1.	Dr. Pawan Kumar Tyagi	Applied Physics	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 8000 (Stage 3) in 6 <sup>th</sup> CPC & Level 12 under 7 <sup>th</sup> CPC	12.07.2019



2.	Dr. Aruna Bhat	Computer Science & Engg.	Professor Stage 5 (PB-IV) & Level 14 under 7 <sup>th</sup> CPC	26.02.2022
3.	Dr. Jasraj Meena	Information Technology	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	17.11.2020
4.	Sh. Piyush Tewari	Electronics & Communication Engg.	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	21.12.2021
5.	Dr. Pradeep Kumar Goyal	Civil Engineering	Professor Stage 5 (PB-IV) in 6 <sup>th</sup> CPC & Level 14 under 7 <sup>th</sup> CPC	01.11.2021
6.	Dr. Shilpa Pal	Civil Engineering	Professor Stage 5 (PB-IV) in 6 <sup>th</sup> CPC & Level 14 under 7 <sup>th</sup> CPC	10.10.2021
7.	Dr. Sonal Thukral	Delhi School of Management	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	27.12.2021
8.	Dr. Naval Garg	USME	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	09.02.2022
9.	Dr. Jagvinder Singh	USME	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	20.12.2021
10.	Sh. Kuldeep Singh	Electrical Engg.	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	21.12.2021
11.	Sh. Saurabh Mishra	Electrical Engg.	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	06.01.2022
12.	Sh. Himanshu	Electrical Engg.	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	21.12.2021

13.	Sh. Sikander Ali Khan	Electrical Engg.	Assistant Prof. in Pay Scale of Rs. 15600-39100(PB III), AGP 7000 (Stage 2) in 6 <sup>th</sup> CPC & Level 11 under 7 <sup>th</sup> CPC	21.12.2021
14.	Dr. Praveen Kumar	Mechanical Engg.	Professor Stage 5 (PB-IV) in 6 <sup>th</sup> CPC & Level 14 under 7 <sup>th</sup> CPC	17.10.2021
15.	Dr. Mahendra Singh Niranjana	Mechanical Engg.	Professor Stage 5 (PB-IV) in 6 <sup>th</sup> CPC & Level 14 under 7 <sup>th</sup> CPC	11.09.2021
16.	Dr. Anil Kumar	Mechanical Engg.	Professor Stage 5 (PB-IV) in 6 <sup>th</sup> CPC & Level 14 under 7 <sup>th</sup> CPC	28.12.2021

**Further, recommendation of Selection Committee in r/o Dr. Pushpendra Singh shall be kept remain in sealed cover as per Hon'ble High Court, Delhi order dated 03.06.2024 under W.P.(C) 8586/2024, C.M. No.s.35140-3514/2024.**

**Agenda 51.6 : Engagement of Security Guards in DTU through nominated/ approved Government agencies/ PSUs.**

It was submitted to the Board of Management that the Delhi Technological University has deployed Security Guards through open tender on GeM Portal from outsourcing company namely M/s SCM Protection Pvt. Ltd. for one year w.e.f. 16.01.2024 after completion of all codal formalities, in the University. Details of same is as under: -

<b>S. No.</b>	<b>Details</b>	<b>Deployed in numbers</b>
1.	Ex- Servicemen Male Security Supervisors	08
2.	Ex- Servicemen Male Security Guards	70
3.	Trained Civilian Male Security Guards (Semi-Skilled)	100
4.	Trained Civilian Female Security Supervisors	01
5.	Trained Civilian Female Security Guards (Semi-Skilled)	34

In 13<sup>th</sup> Finance Committee Meeting vide Item No. 18 and the 16<sup>th</sup> BOM Meeting vide agenda 16.12, it was approved to obtain the outsourcing services through nominated/ approved Govt. agencies/ PSUs subject to completion of codal formalities. Accordingly, the contract for same was awarded to the PSUs after completion of the codal formalities. The performances of the PSU firms during their contract were deemed fit and satisfactory.

Further, during fresh tender, as per recommendations of the then Hon'ble Vice Chancellor the open tender was floated and the work for providing Security Guards has been awarded to the private firm. The performance of the private firm is not par with those of the approved Govt. agencies/PSU/DGR firms. Further, several security breaches, performance lapses and theft incidents have also been reported in the University. Additionally, frequently verbal complaints about effective security vigilance have also been reported by the students and employees against the private security guards.

The matter was placed before a designated committee to review the same. Considering all aspects, the designated Committee unanimously recommended to deploy all 170 ex-servicemen male security guards, 34 trained civilian female security guards and 09 security supervisors (08 ex-servicemen male + 01 trained civilian female) through PSU firm for various reasons i.e. effective vigilance, management of large events, emergencies, any untoward incidents, loss of valuable assets, experienced and professionally trained personnel etc. Details of the estimated expenditure for the same are as under: -



S. No.	Particular	Monthly Remuneration per person	No. of Ex-servicemen Guards	Total	Service Charge though GeM Portal @ 3.85%	GST @18%	Monthly Expenditure	Annual Expenditure
1	Ex-servicemen Guards	32535.36	170	5531011.20	212943.93	1033911.92	6777867.05	81334404.66
2	Female Security Guards (Semi-Skilled)	19279.00	34	655486.00	25236.21	122530.00	803252.21	9639026.51
3	Female Security Supervisor (Matriculate but not graduate)	21215.00	1	21215.00	816.78	3965.72	25997.50	311969.97
4	Ex-servicemen Security Supervisor	43272.06	8	346176.48	13327.79	64710.77	424215.04	5090580.53
<b>5</b>	<b>Total B</b>		<b>213</b>				<b>8031331.81</b>	<b>96375981.66</b>

The proposal was placed in 34<sup>th</sup> Finance Committee meeting held on 02.07.2024 and Finance Committee deferred the agenda.

Keeping in view of the above, the matter was placed before the Board of Management for the engagement of Security Guards in DTU through nominated/ approved Government agencies/ PSUs for smooth functioning, after completion of the codal formalities.

**Decision :** The Board of Management considered and deferred the agenda for engagement of Security Guards in DTU through nominated/ approved Government agencies/ PSUs.

**Agenda 51.7 : Engagement of Manpower (Highly Skilled, Skilled, Semi-Skilled & Un-Skilled) in DTU through nominated/approved Government agencies/PSUs.**

It was submitted to the Board of Management that the Delhi Technological University has deployed Highly Skilled, Skilled, Semi-Skilled and Unskilled manpower in the University through open tender from outsourcing companies till regular recruitment is made.

In 13<sup>th</sup> Finance Committee meeting vide item no. 18 and the 16<sup>th</sup> Board of Management meeting vide agenda 16.12, it was approved to obtain the outsourcing services through approved Govt. agencies/PSUs subject to completion of codal formalities. Accordingly, the contract for same was awarded to the PSUs after completion of the codal formalities. The performances of the PSU firms during their contract were deemed fit and satisfactory.

Further, during previous fresh tenders, as per recommendations of the then Hon'ble Vice Chancellor, the open tender was floated and the work for providing Security, Housekeeping, Skilled & Semi Skilled Manpower has been awarded to the private firms currently. The performances and efficiency of the private firms are not at par to those of the approved Govt. agencies/PSU firms.

*The proposal was placed in 34<sup>th</sup> Finance Committee meeting held on 02.07.2024 and Finance Committee suggested to follow guidelines of GFR, 2017 for engagement of manpower (Highly Skilled, Skilled, Semi-Skilled & Un-Skilled) through outsourcing agency.*

Keeping in view of the above, the matter was placed before the Finance Committee and the Board of Management for the approval for engagement of manpower (Highly Skilled, Skilled, Semi-Skilled & Un-Skilled, Housekeeping and Security Guards) in DTU from approved Government agencies/PSUs through GeM/ e-procurement portal in case of all future tenders in the University.

**Decision : The Board of Management considered the suggestion of the Finance Committee and advised to follow GFR, 2017 for engagement of manpower (Highly Skilled, Skilled, Semi-Skilled & Un-Skilled) in DTU through outsourcing agency.**

**Agenda 51.8 : To enhance the imprest amount from Rs. 50000/- (existing) to Rs. 1.5 Lacs (proposed) to purchase medicines and for other sundry expenditures in University Health Centre.**

It was submitted to the Board of Management that the existing imprest amount of Rs. 50,000/- to purchase Medicines and for other sundry expenditures in University Health Centre (UHC) found to be always highly insufficient. Since it takes couple of weeks to recoup it again, so during that period UHC either falls short of medicines or sundry expenditure including minor repair and maintenance of the medical equipment in UHC. Furthermore, the ever increasing strength of probably all the stakeholders viz., students, faculty, staff etc., due to this most often UHC faces acute shortage of medicines.

To this effect, as per the OPD consolidated report for last four months; average number of patients attended per day by the UHC doctors comes out to be 60. It was mentioned that:-

1. Initially, there was a system of procuring medicines through advance by OIC-UHC/Hostel Office as the case may be.
2. Then the system of advance exclusively meant for UHC through Dr. Ravi Bansal, UHC was initiated in the year 2012 during the tenure of Sh. R.P. Agarwal (Retd. IAS) the then Chairman-BoM, DTU.
3. Thereafter, system of imprest for Rs 25,000/- was started on regular basis in the year 2016 to meet the primary requirement of generic medicines and other related expenses in UHC.
4. This said amount of imprest for Rs 25,000/- was enhanced to Rs 50,000/- in year 2018.
5. Earlier the matter was also taken up with Accounts Branch, however, it was suggested by the Accounts Branch that the power of enhancement of imprest is vested with Board of Management [BoM].
6. Since then, it is almost six years have lapsed that no further enhancement of imprest has taken place, given the need, ever increasing daily footfall for UHC-OPD, adjustment of inflation and other constraints as detailed above, there is urgent need to further enhance it with immediate effect.

So, keeping in view the above-mentioned facts the Board of Management was requested to accede to the request to enhance the imprest amount from Rs 50,000/- [Existing] to Rs 1.5 Lacs [Proposed] to purchase Medicines and for other sundry expenditures in University Health Centre.

**Decision : The Board of Management considered and approved to enhance the imprest amount from Rs. 50000/- (existing) to Rs. 1.5 Lacs (proposed) to purchase medicines and for other sundry expenditures in University Health Centre.**



**Agenda 51.9 : To adopt procedure for admission in Ph.D programme as per UGC Regulations 2022.**

It was submitted to the Board of Management that vide office order 104-77/ Acad-PG/ Committee/ Ordn. Regulation/ 2022/ 14398-05 dated 29.12.2023, a committee was constituted to examine the admission procedures/duration of Ph.D program as mentioned in UGC (Minimum Standards and Procedure for the Award of Ph.D) Regulations 2022. The composition of the Committee was:

- |                                  |               |
|----------------------------------|---------------|
| 1. Prof. S. Indu, Dean (SW)      | : Chairperson |
| 2. Prof. Nirender Dev, COF       | : Member      |
| 3. Prof. Rinku Sharma, Dean (PG) | : Member      |
| 4. Prof. Pravir Kumar, Dean (IA) | : Member      |

The admission process for Ph.D program (August Session-2024) has been initiated and the detailed brochure containing the admission modalities has to be published for information to the public at large.

The University Grants Commission (Minimum Standards and Procedures for Award of Ph.D Degree), Regulations, 2022 has been notified in the Gazette of India on 07.11.2022, which, inter alia, states that :

Procedure for admission:- Admission to the Ph.D programme shall be made using the following methods:

- i. HEIs may admit students who qualify for fellowship/scholarship in UGC-NET/UGC-CSIR/NET/GATE/CEED and similar National Level test based on an interview.

And/or

- ii. HEIs may admit students through an Entrance Test conducted at the level of the individual HEI. The Entrance Test syllabus shall consist of 50% of research methodology, and 50% shall be subject specific.
- iii. Students who have secured 50% marks in the entrance test are eligible to be called for the interview.
- iv. A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS), and other categories of candidates as per the decision of the Commission from time to time.
- v. HEIs may decide the number of eligible students to be called for an interview based on the number of Ph.D seats available.
- vi. Provided that for the selection of candidates based on the entrance test conducted by the HEI, a weightage of 70% for the entrance test and 30% for the performance in the interview/viva-voce shall be given.



The University admits students who qualify for fellowship/scholarship in UGC-NET/UGC-CSIR/NET/GATE/CEED and similar National Level test based on an interview. Weightage in the entrance test has already been adopted by the University and notified vide notification no. 0-77/Acad-PG/Committee/Ordn., Regulation/ 2022/14214-19 dated 22.12.2023.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Council considered and recommended the matter to the Board of Management for approval of adoption of Admission Procedure for Ph.D program in DTU as per University Grants Commission (Minimum Standards and Procedures for Award of Ph.D Degree), Regulations, 2022.*

**Decision : The Board of Management considered the recommendations of the Academic Council and approved to adopt the procedure for admission in Ph.D programme as per UGC Regulations, 2022 w.e.f. AY 2024-25.**

**Agenda 51.10 : Revision of R. 12.1 and 12.2 of Ph.D Ordinance, DTU as per UGC (Minimum Standards and Procedure for Award of Ph.D Degree) Regulations, 2022.**

It was submitted to the Board of Management that the UGC vide its (Minimum Standards and Procedure for Award of Ph.D Degree) Regulations, 2022 notified on 07th November 2022, inter alia, has notified regulations for duration of Ph.D programme, which are as under:

- (1) Ph. D programme shall be for a minimum of three (3) years, including course work, and maximum duration of six (6) years from the date of admission to the Ph.D programme.*
- (2) A maximum of an additional two (2) years can be given through a process of re-registration as per the statute/ordinance of the Higher Educational Institution concerned; provided, however, that the total period for completion of a Ph.D programme should not exceed eight (8) years from the date of admission in the Ph.D programme.*

*Provided further that, female Ph.D scholars and Persona with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D programme.*

As per DTU Ordinance R. 12 the minimum and maximum registration requirement for Ph.D Degree in DTU is as under:

*R.12.1: A candidate shall be required to be registered for the degree for a period of not less than two calendar years (24 months) from the date of his successful completion of comprehensive examination and acceptance of Research Plan.*

*R.12.2: The candidates of all categories shall normally submit their thesis within a period of four years, from the date of their admission in the Ph.D Programme. However, as a special case, this limit may be extended to maximum up to seven years by the Vice Chancellor on the recommendation of SRC through DRC and Dean-PG after which the registration shall stand cancelled automatically.*

However, cases were received from the departments for submission of thesis and completion of Ph.D degree after completion of 3 years by the scholar in the program.

Taking the same into account, it was proposed that Rule R.12.1 and R. 12.2 of the DTU Ph.D ordinance may be revised as per the UGC (Minimum Standards and Procedure for Award of Ph.D Degree) Regulations, 2022 notified on 07th November 2022

The proposed revision of Ph.D Ordinance, DTU were as under:

- R. 12.1** Ph.D. Programme shall be for a minimum duration of three (3) years, including course work, and a maximum duration of six (6) years from the date of admission to the Ph.D. programme.
- R. 12.2** A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the Higher Educational Institution concerned; provided, however, that the total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.

Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Council considered and recommended the matter to the Board of Management for approval of revision of R. 12.1 and R. 12.2 of Ph.D Ordinance DTU as per UGC (Minimum Standards and Procedure for Award of Ph.D Degree) Regulations, 2022.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved for revision of R. 12.1 and R. 12.2 of Ph.D Ordinance, DTU as per UGC (Minimum Standards and Procedure for Award of Ph.D Degree) Regulations, 2022.

**Agenda 51.11 : Regarding starting of M.Tech by Research Program in DTU from AY- 2024 25.**

It was submitted to the Board of Management that the University is planning to start M.Tech by Research Program from Academic Session 2024.25. M.Tech by Research programme is 2-year research-oriented programme. This programme is for those students who are interested in exploring specified in-depth research problem or real world problem through research pursue their career in M.Tech by research programme. M Tech by Research will start with maximum 12 students in full-time mode through valid GATE score followed by Interview. The Non-GATE candidates appear for DTU entrance test followed by Interview for final selection. The 20% credits of core course and elective course can be covered from online course as per NEP 2020 policy.

Accordingly, a committee was constituted to finalize the scheme, seats intake, fees, and eligibility criterion for admissions in Masters in Technology-Research Program to be started in DTU from AY 2024-25. The Committee recommended that:

1. M.Tech by Research program will start with duration of 2 years (4 semester) in full-time mode.
2. Admission to M Tech by Research program will be open to all the candidates with valid GATE score only in the qualifying GATE subject followed by Interview for final admission.
3. M.Tech by Research program will start for all the departments in AY 2024-2025 with intake of maximum 12 students. Departments required to provide specific details of research domain with brief details of relevant research papers.

**Table 1: Seat Matrix for M.Tech (R) in Department of \_\_\_\_\_**

Category	No. of seats (GATE)
GN	6
OBC	3
EWS	1
SC	1
ST	1
Total Seats	12

4. The M.Tech by Research scheme consist of total 80 credits. As per NEP 2020, students are allowed to complete 20% credits from ONLINE MOOC Courses.
5. All the departments required to share syllabus and scheme of M. Tech by Research program with respect to research domain in the department (ensure only subjects relevant to M.Tech (R) branch/thrust area must be included). The syllabus of a particular subject must consist of broader topics instead of detailed unit wise syllabus.
6. Financial Assistance: Assistantship as per AICTE norms will be awarded to candidates for the duration of the program i.e., two years to the full time students for M.Tech (R).

**The salient features of the programme are:**

1. In M.Tech. by Research programme there are no fixed core course. Students may select core courses as per their interest from the core course basket provided by the respective department. The students are advised to opt for core and elective courses as per their research interest and domain.
2. The students are required to identify supervisor from the respective department as per their research interest and specialization. The students required to start working the supervision of their supervisor from the second week of their first semester
3. Students will be provided with excellent infrastructure and research laboratory similar to Ph.D. scholars in the department where they complete their research in a stipulated time-period in order to get their publications by the end of this programme.
4. The financial support will be provided to the GATE qualified candidates similar to M.Tech. programme. The non-GATE candidates will be provided stipend based on the 8hrs workload in a week.

The list of 11 Departments desiring to start M. Tech by Research is as follows:

1. Biotechnology
2. Chemical Engineering
3. Civil Engineering
4. Multidisciplinary Centre for Geo Informatics
5. Computer Science and Engineering
6. Electrical Engineering
7. Electronics & Communication Engineering

8. Engineering Physics
9. Information technology
10. Mechanical Engineering
11. Software Engineering

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024 along with General Scheme, Semester wise courses & credit distribution and Department wise thrust/emerging area for M.Tech by Research in a separate Annexure Book at pages 108 to 167. The Council considered and recommended the matter to the Board of Management for approval for starting of M.Tech by Research Program from AY 2024-25 with intake of 12 in each discipline. The Council also advised to mention 5% reservation for PwD in this program.*

**Decision : The Board of Management considered and approved the recommendations of the Academic Council for starting of M.Tech by Research Program in 11 different disciplines from AY- 2024 25 along with its scheme and credit distribution in the emerging area of these disciplines.**

## Agenda 51.12 : Regarding Fee of M.Tech by Research Program, DTU.

It was submitted to the Board of Management that the Committee prepared the Scheme and Syllabus of M.Tech by Research Program, which is to be started from AY 2024-25 and the same were presented by Prof. Rinku Sharma, Dean (Academic-PG) in the meeting of Heads/Deans on 13.05.2024. After due deliberation and discussions, the same was approved. The Course Level and NHEQF Level has been specified.

M.Tech by Research program is introduced at DTU from academic year 2024. With intake of 24 (12 GATE and 12 NON-GATE) students at the PG level. The Committee M.Tech by Research program noted that the program is introduced at DTU from academic year 2024. With intake of 12 students at the PG level. The proposed total fees for DTU MS(R) program is Rs. 1,00,000. The total fess is decided considering the total fee of DTU M.Tech. program which is presently Rs. 1,25,000/- and in other institutions also the fees is nominal. Keeping in view of the above factors, the committee decided to keep DTU MS(R) program total fees as Rs. 1,00,000/-.

Comparison analysis of Fee Structure by the Committee:

Fee Particulars	IIT Delhi	IIT Bombay	IIT Kanpur	IIT Bangalore	IIT Madras	DTU
Grand Total per semester	75,000	37,350	24,020	77,000	5,550	50,000
Grand Total per year	1,50,000	74,700	48,040	1,54,000	11,100	100,000

M.Tech (Research) program is different from a typical M.Tech program in the fraction of course and project/ Dissertation credits. The M.Tech (Research) program has two-thirds of the credits for the research component while a M.Tech. programme may have upto two-third of the credits for the course work.

*The Finance Committee considered the proposal in its 33<sup>rd</sup> meeting held on 20.05.2024. The Committee approved the fee for M.Tech by Research Program, DTU @ Rs. 1,00,000/- (One Lakh Only) per year and recommended the matter to the Board of Management for its approval.*

**Decision : The Board of Management considered the recommendations of the Finance Committee and approved the annual fee of M.Tech by Research Program in DTU @ Rs.1,00,000/- (One Lakh).**



**Agenda 51.13 : Admission modalities in M.Tech. programs and revised M.Tech. Scheme & Syllabus as per National Education Policy (NEP) 2020.**

A meeting of the Committee duly constituted by the competent authority to examine the matter regarding admission modalities in M.Tech programs and to revise the M.Tech. Scheme & Syllabus as per National Education Policy 2020 was held. The composition of the committee was:

- |  |                  |
|--|------------------|
| 1. Prof. S. K. Garg, Deptt of Mechanical Engg. | Chairperson      |
| 2. Prof. Nirendra Dev, COE                     | Member           |
| 3. Prof. Jeebanand Panda, ECE                  | Member           |
| 4. Prof. Rinku Sharma, Dean (PG)               | Member           |
| 5. Prof. Shailender Kumar, CSE                 | Member           |
| 6. Dr. Shilpla Pal, CE                         | Member           |
| 7. Dr. Asmita Das, Biotechnology               | Member           |
| 8. Dr. M. S. Mehta, Applied Physics            | Member           |
| 9. Dr. Rohit Kumar, ECE                        | Member Secretary |

After detailed deliberations and discussions, following scheme was recommended by the Committee which was placed in the meeting of Heads and Deans for discussion:

<b>SEMESTER I</b>				
<b>Type</b>	<b>Cr</b>	<b>L-T-P</b>	<b>Total Credits</b>	<b>Level</b>
Core	4	3-1-0/3-0-2/2-0-4/0-0-8	24	500-599*
Core	4	3-1-0/3-0-2/2-0-4/0-0-8		
Core	4	3-1-0/3-0-2/2-0-4/0-0-8		
Core	4	3-1-0/3-0-2/2-0-4/0-0-8		
Departmental Elective 1	4	3-1-0/3-0-2/2-0-4/0-0-8		
Self-Study	2	-		
Skill Enhancement Course 1	2	-		
Audit Course	0	0-0-2		

SEMESTER II				
Type	Cr	L-T-P	Total Credits	Level
Core	4	3-1-0/3-0-2/2-0-4/0-0-8	24	500-599*
Core	4	3-1-0/3-0-2/2-0-4/0-0-8		
Departmental Elective 2	4	3-1-0/3-0-2/2-0-4/0-0-8		
Departmental Elective 3	4	3-1-0/3-0-2/2-0-4/0-0-8		
Research Methodology and IPR	4	3-1-0/3-0-2/2-0-4/0-0-8		
Skill Enhancement Course 2/Industrial Training	4	-		
<b>NHEQF Level</b>				6.5

SEMESTER III				
Type	Cr	L-T-P	Total Credits	Level
Core	4	3-1-0/3-0-2/2-0-4/0-0-8	16	600-699*
Open Elective 1	4	3-1-0/3-0-2/2-0-4/0-0-8		
Minor Project/Research Thesis/Patent	8	-		
SEMESTER IV				
Type	Cr	L-T-P	Total Credits	Level
Major Project/Research Thesis/Patent	16	-	16	-
<b>NHEQF Level</b>				7.0

**\*Refer draft UGC curriculum and credit framework for PG programme**

The main features of the above recommended scheme were summarized as follows:

1. Total credits to be earned for award of the M.Tech. degree has been increased from the existing 58 to 80 as per the NEP 2020.
2. Inclusion of Skill Enhancement Courses as per the NEP 2020.
3. More credits to minor and project to improve the quality of the M.Tech. project and research.
4. Addition of an audit course as per the NEP 2020.
5. Research methodology has been mandatory core paper for all the departments.
6. The concept of self-study has been inducted.
7. EXIT option has been included as per the NEP 2020. A student can exit the M. Tech. degree at the end of successful completion of the first year after earning 48 credits. In such case, the student will be awarded the "PG Diploma" in that particular branch.
8. List of Audit Courses, as proposed by AICTE (Model Curriculum for Post Graduate Degree Courses in Engineering and Technology January 2018)
  - English for Research Paper Writing
  - Disaster Management
  - Sanskrit for Technical Knowledge
  - Value Education
  - Constitution of India
  - Pedagogy Studies
  - Stress Management by Yoga
  - Personality Development through Life Enlightenment Skills.
9. In the M. Tech. duration, a student can earn up to 16 Credits (20% of total credits) by completing the MOOC courses duly approved by the concerned department.
10. Re-entry will be allowed only for the students who have completed first year from DTU in the same program.
11. On providing a valid proof of internship or job, a student may be allowed to complete the M.Tech. degree by completing his project work in the industry in consultation with the supervisor assigned by the concerned department.
12. The minimum duration of the Industrial Training (if a student opts) will be 6 weeks. The concerned department must ensure the evaluation/ viva for internship within 15 days of completion of the internship.

As per NEP 2020, Skill Enhancement Course(SEC) or Industrial Training is an integral part of the curriculum and also for the exit after the first year, In the curriculum, provision has been made to undergo SEC of 40 hours or Industrial Training of 6 weeks at the end of the 2<sup>nd</sup> sem. The evaluation of these

students will be done in the beginning of the third semester and the result will be included with the third Semester result. However, those who want to exit after 1<sup>st</sup> year, their result of SEC or Industrial Training will be declared and post graduate diploma will be awarded to such candidates.

The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The *General Scheme, Semester Wise Courses & Credit Distribution and Scheme & Syllabus (first year)* were placed in a separate Annexure Book at pages 168 to 631 and 1342 to 1449.

*The Academic Council considered and recommended the matter to the Board of Management for approval of the admission modalities, and Scheme & Syllabus of M.Tech Program (Full Time and Part Time), DTU as per National Education Policy (NEP) 2020.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approve the admission modalities, and revised Scheme of M.Tech Programs (Full Time & Part Time) as per National Education Policy (NEP) 2020 w.e.f. AY 2024-25.

## **Agenda 51.14 : Duration of DTU Fellowship for full time DTU Ph.D scholars.**

The research ecosystem in Delhi Technological University (DTU) is growing and diversifying rapidly. To empower DTU as a nucleus of research in frontier areas, it is imperative to foster quality students to take admission in the Ph.D programme. This requires continuous and extensive financial support. There are several schemes by funding agencies, national and international, to support outstanding research in India. The students are encouraged to get the funding from different funding agencies. However, monetary support during the early stages of a scientific career is especially crucial for strengthening its foundation. Hence, DTU provides institutional fellowships to Ph.D students who fulfils criterions laid by DTU.

### **Objectives of the scheme:**

To provide financial assistance to Full-Time Ph.D scholars of DTU who are not recipient of any kind of fellowship from any sources.

### **Fellowship Eligibility and Selection Procedure:**

As per DTU PhD Ordinance R.18

### **Fellowship Amount:**

Rs 40,300/- inclusive HRA and any other allowances as JRF (As per notification dated 22-04-2024 & 50<sup>th</sup> BOM meeting held on 14-03-2024)

### **Fellowship Duration:**

The duration of fellowship shall be of maximum 5 years (60 months). The continuation of the fellowship for 5<sup>th</sup> year shall be performance based which will be evaluated by SRC of the research scholar. A research scholar must have minimum one publication (published/accepted) in SCI/SCIE/SSCI and presented/published work in one international conference in 4 years to continue his/her fellowship to the 5<sup>th</sup> year. However, the fellowship shall terminate on completion of Ph.D. tenure or submission of Ph.D. thesis, whichever is earlier.

- Ref:**
1. XII<sup>th</sup> Plan Guidelines Junior Research Fellowship UGC
  2. CSIR JRF/SRF Fellowship
  3. Visvesvaraya Ph.D Scheme; Ministry of Electronics & IT
  4. National Board for Higher Mathematics
  5. ADF Scheme 2024-25 (AICTE)

NOTE:

- This shall supersede all previous notifications/orders regarding the duration/ tenure of DTU fellowship including notification no. DTU/ Acad-PG/ Ph.D Notice-Circular/ 2019/ 11022-30 dated 06-09-2022 regarding introduction of additional clause for continuation of DTU PhD beyond 3 years.
- The Full-Time Ph.D scholars who are completing their 4<sup>th</sup> year in July/Aug 2024, shall be given relaxation of six-months to fulfil the eligibility criteria to continue his/her fellowship to 5<sup>th</sup> year.
- The guideline for the Progress linked Award teaching and research fellowship to the Ph.D students will remain the same as notified via notification no. F.DTU/ IRD/ 2020/ 12/ 2288 dated 18-08-2020 (or as and when amended by DTU from time to time).

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the matter to the Board of Management for approval to revise duration of fellowship i.e. upto 5 years maximum (60 months). The continuation of the fellowship for 5<sup>th</sup> year shall be performance based which will be evaluated by SRC of the research scholar. A research scholar must have minimum one publication (published/accepted) in SCI/ SCIE/ SSCI and presented/published work in one international conference in 04 years to continue his/her fellowship to the 5<sup>th</sup> year. However, the fellowship shall terminate on completion of Ph.D tenure or submission of Ph.D thesis, whichever is earlier. Further, the Council did not approve the Para 2 of the NOTE above.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved the proposal of duration of DTU Fellowship for full time DTU Ph.D scholars up to 5 years i.e. maximum (60 months). The continuation of the fellowship for 5<sup>th</sup> year shall be performance based which will be evaluated by SRC of the research scholar. The research scholar must have minimum one publication (published/ accepted) in SCI/ SCIE/ SSCI journals and presented/published work in one international conference in 04 years to continue his/her fellowship to the 5<sup>th</sup> year. However, the fellowship shall terminate on completion of Ph.D tenure or submission of Ph.D thesis, whichever is earlier. Further, the Para 2 of the NOTE above, not approved.

**Agenda 51.15 : Shifting of all the MBA programs from USME to DSM, DTU and revised seat matrix.**

Delhi Technological University was established in July 2009 by Delhi Act 6 of 2009. In July 2009 itself Delhi School of Management was created to run management program and 2-years full time MBA program was started with an intake of 60 students. The program got a very good response from the students as well as industry/ corporate world. At present DSM has an intake of 180 students in MBA and 60 students in Executive MBA. In 2017, Govt. of NCT Delhi gave another campus to DTU at East Delhi which is called East Delhi Campus EDC of DTU. With a faculty strength of 15 regular faculties, the programs being run at EDC with intake and duration are as follows:

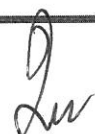
- MBA 2 year program with an intake of 120 students
- MBA BA 2 year program with an intake of 60 students
- MBA IEV 2 year program with an intake of 30 students
- BBA 4 year program with an intake of 180 students
- BA Eco Hons 4 year program with an intake of 180 students
- EMBA BA 2 year weekend program with an intake of 30 students

In the last few years other institutions of Delhi Government like IGDTUW, NSUT, etc. have also started MBA program.

At EDC, due to lack of space, regular faculty and being away from main campus, students have the last priority of this campus among all the institutions of Delhi Government offering MBA.

During the visits of HVC to EDC, the students of MBA program showed dissatisfaction with the guest faculty, infrastructure and placements. Based on inputs, HVC constituted a committee to look into this and also explore shifting of MBA programs from EDC to DSM main campus.

The matter of MBA programs was discussed in the meeting of the Heads/Deans held on 13.05.2024 and a committee was constituted vide Office Order No. F.DTU/Reg/OO/2024-25 dated 27.03.2024 to examine and suggest the re-organization of MBA Programmes in USME and DSM considering admission/curriculum/employer and other issues. The committee met on 05.04.2024 at 3:00 p.m. and on 20.05.2024 at 2:30 pm in room no. 307 administrative building and minutes of the meeting were placed at Annexure pages 96 to 100 in the Agenda Note.





#### Committee Members

- |  |                   |
|--|-------------------|
| 1. Prof. Rinku Sharma, Dean (Academic-PG)      | - Chairperson     |
| 2. Prof. S. K. Garg, Director (USME)           | - Special Invitee |
| 3. Prof. Rajeshwari Pandey, Dean (Academic-UG) | - Member          |
| 4. Dr. Saurabh Agarwal, HoD (DSM)              | - Member          |
| 5. Prof. Amit Mookerjee, HoD USME              | - Member          |
| 6. Prof. Girish Kumar, CEO, DTU-IIF            | - Member          |
| 7. Prof. P. K. Suri, DSM                       | - Member          |
| 8. Prof. G. C. Maheshwari, DSM                 | - Member          |
| 9. Dr. Nidhi Maheshwari, USME                  | - Member          |

Based on the recommendations of the committee and the approval by HVC, the proposal for the reorganization of MBA programs for the consideration and approval of the Academic Council is as follows:

The MBA program with an intake of 120 students of USME be shifted to DSM, DTU from academic year 2024-25. Since, the admission process of the MBA program has already started in March 2024 by CMAC 2024, the admission at DSM of all the seats (270) (150 DSM + 120 USME) of MBA (General) Program is in progress for the Academic Session 2024-25. The seat matrix for 270 seats is as given below:

Category	No of Seats (intake)	PwD	Defence	Total
General (Open)	99	5	5	109
EWS	23	2	2	27
OBC	65	4	4	73
SC	37	2	2	41
ST	18	1	1	20
Total	242	14	14	270
<b>Supernumerary seats</b>				
<b>Kashmiri</b>	<b>01</b>	...	...	...
<b>Migrant</b>		...		

MBA (IEV) and MBA (BA) programme of USME may be shifted from USME to DSM from the AY-2024-25. The admission process of MBA (IEV) and MBA(BA) program AY 2024-25 shall be conducted by DSM, DTU. DSM, DTU shall constitute a core committee for admissions in these programmes AY 2024-25 consisting of experienced faculty members from DSM, DTU and USME (East Delhi Campus). The scheme and syllabus for MBA(BA) and MBA(IEV) shall remain the same and will be provided by USME with relevant approvals.

The students of 2<sup>nd</sup> year of all the MBA programs of USME shall also be shifted to DSM DTU by making appropriate arrangements for their 2<sup>nd</sup> year of the program in DSM, DTU.

The proposal relating to additional faculty required at DSM, after shifting of the program will be prepared by the DSM taking into account the interest of the students and university.

DSM, DTU shall submit proposal regarding requirement of infrastructure facilities and faculty members and other requirements to the Competent Authority, after detailed evaluation.

The above agenda for shifting of MBA, MBA (BA) program and MBA (IEV) program from USME to DSM, DTU was submitted for consideration and approval of Academic Council.

*The Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024 considered and recommended the proposal to the Board of Management for approval for shifting of MBA, MBA (BA) and MBA (IEV) programs from USME to DSM, DTU and to revise the seat matrix.*

**Decision : The Board of Management considered and approved the recommendations of the Academic Council for shifting of MBA, MBA (BA) and MBA (IEV) programs from USME to DSM, DTU and the revised seat matrix.**

**Agenda 51.16 : In principle approval of the proposal for creation of a new Interdisciplinary Department of Geospatial Sciences and Technology in DTU.**

It was submitted to the Board of Management that India being a UN member is actively involved in implementing UNGGIM (United Nations Global Geospatial Information Management) guidelines. Government of India too is promulgating policies to promote Geospatial Sciences and Technologies. This effort is being coordinated by Department of Science and Technology (DST) for India.

A "Multidisciplinary Centre for Geoinformatics" was established in DTU on 05 March 2019 under the provision DTU Act 7(13). Since its establishment, it has contributed to the Geospatial community in a large way. Two significant achievements are inclusion of Geomatics in GATE exam w.e.f. 2022 and participation in 2<sup>nd</sup> UNWGIC (United Nations World Geospatial Congress) as a National Coordinator in the organizing team. However, the Center has been experiencing certain challenges with respect to expanding its activities in UG programs, in expanding multidisciplinary PG programs in both Science and Technology and in creation of vacancies and recruitments etc.

In view of the emergence of the Geospatial sector and limitations of expanding activities in a Centre, it was proposed that a new interdisciplinary Department of 'Geospatial Sciences and Technologies' be created under the proposed School of Interdisciplinary Studies and Research at DTU. The Department will run its own UG and PG programs both in Science and Technologies. The Department will shall endeavour to create its own Centers of Excellence in various advanced /emerging areas according to DTU Mission and guidelines. Ph.D and PG programs will be run in the Department/Centers of Excellence. UG programs will act as feeder to these Centers of Excellence. The UG students will get attached to the Centres of Excellence for their project work. Initial requirement of faculty was proposed to be met by appointing Professor of Practice from ISRO/NRSC/Defence and by running Post Doc programs in the Department / Centers of Excellence. In this connection, a detailed proposal is placed at **Annexure pages 1 to 17**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered the proposal and agreed in principle to start a new interdisciplinary Department of Geospatial Sciences and Technology, subject to the approval of budgetary requirement by the Finance Committee. The Council also recommended the matter to the Board of Management for in-principle approval of the proposal for starting a new Interdisciplinary Department of Geospatial Sciences and Technology in DTU.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved in principle for starting a new Interdisciplinary Department of Geospatial Sciences and Technology in DTU. Further, the Board advised that this new department must initially plan to start only 1-2 programs which shall be skilled based and market driven. The department shall prepare a detailed stakeholder analysis including potential employers, market survey and full justifications for starting program in Geospatial Sciences and Technology.

**Agenda 51.17 : Proposal for introduction of 02-year M.Sc Program in Geospatial Sciences at Multidisciplinary Centre for Geoinformatics, DTU w.e.f. Jul/Aug 2024.**

It was submitted to the Board of Management that Department of Science and Technology (DST), Govt. of India envisions to promote and expand the field of Geospatial Sciences and Geospatial Technologies in India in line with the mandate of UNGGIM (United Nations Global Geospatial Information Management) Committee and to meet the emerging Geospatial economy which is targeted to hit Rs. 63000 Cr. by 2025. Besides, India has successfully landed on moon and has initiated several scientific explorations of space and there is a requirement of capacity building both in Geospatial Sciences and Geospatial Technologies.

In view, the Centre proposed introduction of a Two-year M.Sc program at the Centre w.e.f. July/Aug 2024. A Committee was constituted by the competent authority to explore various possibilities of expanding activities at the Centre. After due deliberations, it was proposed to expand activities of the Centre in Short Term and Long Term. *In short-Term*, it was proposed to introduce a NEP Based Two-years M.Sc program at Multidisciplinary Centre for Geoinformatics w.e.f. Jul/Aug 2024. The structure and qualification specifications of the program as per NHEQF (National Higher Education Qualification Framework) are as under:

QUALIFICATION SPECIFICATIONS		Ref
Qualification type	Purpose of the qualification	
Post-Graduate Diploma (One year)	The Post-Graduate Diploma qualifies students who can apply a body of advanced knowledge and skills in a range of contexts to undertake professional or highly skilled work and/or further learning.	Ref. page 43 of NHEQF
Master's degree (2 years)	The Master's degree qualifies students who can apply an advanced body of knowledge in a range of contexts for professional practice, research, and scholarship and as a pathway for further learning. Graduates at this level are expected to possess and demonstrate specialized knowledge and skills for research, and/or professional practice and/or for further learning.	-do-

Master's degree (one year)	The Master's degree qualifies students who can apply an advanced body of knowledge in a range of contexts for professional practice, research, and scholarship and as a pathway for further learning. Graduates at this level are expected to possess and demonstrate specialized knowledge and skills for research, and/or professional practice and/or for further learning. Master's degree holders are expected to demonstrate the ability to apply the established principles and theories to a body of knowledge or an area of professional practice.	-do-
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Accordingly, as per the above qualification specifications –

- (a) Any student admitted to M.Sc in Geospatial Science (2 years program) on completion of first year will be eligible for Post Graduate Diploma in Geospatial Science if he wishes to quit after one year
- (b) Any student admitted to M.Sc in Geospatial Science (2 years program) on completion of two years will be eligible for M.Sc in Geospatial Science (2 years program)
- (c) Any student admitted to M.Sc in Geospatial Science (1 year program) will be able to join directly in the third semester and will be eligible for M.Sc in Geospatial Science (1 year program).

In the Long Term, it is proposed to create a multidisciplinary Department of Geospatial Sciences and technologies and subsequently add other UG programs such as Five-year Integrated M.Sc program.

**Infrastructure** – Presently, no additional infrastructure is required for running M.Sc program in Geospatial Science. except certain additional PCs and software.

**Fees** – as decided by the University, initial intake 25.

**Faculty** – Available faculty from various Technology/Science Departments will be utilized. Only in case, due to assigned load, certain faculty members are not available requests for Professor of Practice/Guest Faculty will be made.

The detailed Scheme of Examination is placed at **Annexure pages 18 to 31**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and agreed in principle to start 02-year M.Sc program in Geospatial Sciences, subject to the approval of budgetary requirement by the Finance Committee. The Council also recommended the matter to the Board of Management for in-principle approval for starting of 02-year M.Sc Program in Geospatial Sciences at Multidisciplinary Centre for Geoinformatics, DTU w.e.f. Jul/Aug 2024.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved in principle for starting of 02-year M.Sc program in Geospatial Sciences at Multidisciplinary Centre for Geoinformatics, DTU w.e.f. Jul/Aug 2024. However, decision on creation of additional posts shall be made only after reviewing the status of admissions in 02 consecutive batches of the proposed program.



**Agenda 51.18 : Approval for establishment of Centre of Excellence in Disaster Risk Reduction (COEDRR) in the Department of Civil Engineering, DTU.**

India faces disasters almost every year and is ranked among one of the most vulnerable countries in the world. Over the years, occurrence of various disasters has caused extensive damage to life and property and has adversely impacted economic development. There exists a need to have a proactive, comprehensive, and sustained approach to disaster risk reduction for the detrimental effects of disasters on overall socio-economic development of the nation. Disaster management and mitigation is a multi-institutional approach, which needs dedicated commitment from central, state and district level institutions.

In view of the possibilities of catastrophic consequences in India arising due to various natural disasters, viz. environmental and climate change related hazards, earthquake, landslide, flood, cyclone, GLOF, fire etc., that may affect several neighbouring countries together at a time, it becomes imperative that these countries pool together their resources and expertise, especially in the field of science and technology. Taking the lead in disaster risk reduction, Department of Civil Engineering, Delhi Technological University (DTU) is proposing to establish a Center of Excellence in Disaster Risk Reduction (CoEDRR) in accordance with the guidelines of DTU. The CoEDRR would endeavor to develop itself as a nodal Centre in Disaster Risk Reduction in the country by creating expertise to innovate new technologies to reduce the impacts of natural and man-made disasters through multi-disciplinary technological and scientific approach. Besides, the Center of Excellence (CoE) also proposes to run Foundation Elective Courses (FEC) viz. Climate Change and Disaster Risk Reduction (DRR), Earthquake Safety, Fire Safety etc., M. Tech. program in Disaster Mitigation and Management (DMM) and joint PhD programme in DMM and allied areas in collaboration with leading national and international institutes and organizing. A detailed proposal for the Centre is placed **Annexure pages 32 to 45**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and agreed the proposal in principle to establish Centre of Excellence in Disaster Risk Reduction (COEDRR), subject to the approval of budgetary requirement by the Finance Committee. The Council also recommended the matter to the Board of Management for in-principle approval for establishment of Centre of Excellence in Disaster Risk Reduction (COEDRR) in the Department of Civil Engineering, DTU.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved in principle for establishment of Centre of Excellence in Disaster Risk Reduction (COEDRR) in the Department of Civil Engineering, DTU. However, department must explore possibilities of fund raising for the proposed centre from external funding agencies and other organizations involved in Structural Engineering and Disaster Management.

**Agenda 51.19 : Online Executive MBA program to be launched at USME.**


It was submitted to the Board of Management that a meeting of the Board of Studies of the University School of Management & Entrepreneurship (USME), DTU was held on 29.05.24 at 12:30 p.m. in the Committee Room/online.

The BoS, USME recommended the proposed online Executive MBA Programme with the proposed syllabus and structure (placed in the *Annexure Book at pages 1161 to 1165*) to be launched sometime during the period 2024-26.

It was proposed that the fee structure for the online Executive MBA Programme would be recommended through the Fee Committee, after consultation with platform/marketing partner and put up to the Competent Authority, DTU, by due process.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and approved the proposal in principle, subject to the AICTE/UGC approval and also stakeholder analysis/employer survey by the department. The Council also recommended the matter to the Board of Management for in-principle approval to start Online Executive MBA program.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved in principle to start Online Executive MBA program after approval of statutory regulatory body. USME shall also plan for organizing FDP/MDP for faculty members and persons from industry and research organizations in the emerging area of management for revenue generation and to meet expenses of the department.



**Agenda 51.20 : Approval of Restructuring of Industrial Research & Development (IRD) office as Research and Development (R&D) office its Role, Responsibilities and Administrative Structure.**

It was submitted to the Board of Management that at present the major responsibilities of IRD office are policy formulation/amendments related to student's research at Bachelor's, Master's and Doctoral level, develop strategies to foster research collaborations within faculty across institutions/industries and other organizations, to identify industry/institutions for collaboration & involvement of the industry in various collaboration work/academic activities, promotion of IPR, filing patents, transfer of technology, MOUs etc., to invite proposals from faculty for research grant & process for grant of research fund at University level, scrutiny & recommendations for Research Excellence Award, Citation Award etc. in the University, framing guidelines & monitoring of implementation of NEP2020. It was identified in the Dean's & HOD's meeting held on 06/Dec/2023 chaired by Hon'ble Vice Chancellor there is a need to restructure the roles and responsibilities of Dean IRD & IRD Office as Research & Development Office.

Meetings of following committee constituted by competent authority to frame the guidelines of administrative structure for Research & Development Office, Corporate Relationship Office and Other Policies were held on 08/02/2024, 15/02/2024, 19/02/2024 & 19/04/2024.

<i>Prof. A. K. Sahu, Dean IRD</i>	<i>: Chairperson</i>
<i>Prof. Vishal Verma, EE</i>	<i>: Member</i>
<i>Prof. Girish Kumar, ME</i>	<i>: Member</i>
<i>Prof. K. C. Tiwari, CE</i>	<i>: Member</i>
<i>Dr. Rajeev Kumar Mishra, ENV</i>	<i>: Member</i>
<i>Dr. Bharti Singh, AP</i>	<i>: Member</i>
<i>Prof. Roli Purwar, AD-IRD</i>	<i>: Convener</i>

After discussion and deliberations, the guidelines for Administrative Structure of Research and Development office, roles and responsibilities were created. The same was discussed in the meetings of Dean's & HOD's Chaired by Hon'ble Vice Chancellor on 02/04/2024, 19/04/2024 and 23/04/2024. Following the recommendations from the Hon'ble Vice Chancellor, as well as feedback from the Deans and HoDs, the draft was revised. The proposed roles, responsibilities and Administrative Structure of Research and Development office at DTU are placed in **Annexure at pages 46 to 51.**



*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of restructuring of Industrial Research & Development (IRD) Office as Research and Development (R&D) Office, its Role, Responsibilities and Administrative Structure as proposed.*

*The proposal was also placed before the Finance Committee in its 34<sup>th</sup> meeting held on 02.07.2024. The Finance committee considered and recommended the proposal to the Board of Management for its approval.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and Finance Committee, and approved the restructuring of Industrial Research & Development (IRD) office as Research and Development (R&D) office, its Role, Responsibilities and Administrative Structure as proposed. However, the Board advised to create common positions for account and store/purchase units in R&D section and corporate section in view of optimum utilization of manpower. Further, the other administrative positions of R&D section shall be at par with equivalent existing designation/ scales in the Government of NCT of Delhi.

○ **Agenda 51.21 : Approval of Roles, Responsibilities and Administrative Structure of Corporate Relationship office at DTU.**

It was submitted to Board of Management that collaboration between academia and industry is a fruitful way to foster innovation, growth, and progress. It can help to bridge the gap between research and practice, and accelerate the delivery of valuable products to society. It was identified in the Dean's & HOD's meeting held on 06/Dec/2023 chaired by Hon'ble Vice Chancellor there is a need to developed a Corporate Relationship Office which can actively do the collaboration with the industry and industry related activities.

Meetings of following committee constituted by competent authority to frame the guidelines of administrative structure of Research & Development Office, Corporate Relationship Office and Other Policies were held on 08/02/2024, 15/02/2024, 19/02/2024 & 19/04/2024.

- |                                 |               |
|---------------------------------|---------------|
| 1. Prof. A. K. Sahu, Dean IRD   | : Chairperson |
| 2. Prof. Vishal Verma, EE       | : Member      |
| 3. Prof. Girish Kumar, ME       | : Member      |
| 4. Prof. K. C. Tiwari, CE       | : Member      |
| 5. Dr. Rajeev Kumar Mishra, ENV | : Member      |
| 6. Dr. Bharti Singh, AP         | : Member      |
| 7. Prof. Roli Purwar, AD-IRD    | : Convener    |

After discussion and deliberations, the guidelines for roles, responsibilities and Administrative Structure of Corporate Relationship Office were created. The same was discussed in the meetings of Dean's & HOD's Chaired by Hon'ble Vice Chancellor on 02/04/2024, 19/04/2024 and 23/04/2024. Following the recommendations from the Hon'ble Vice Chancellor, as well as feedback from the Deans and HoDs, the draft was revised. The proposed roles, responsibilities and Administrative Structure of Corporate Relationship Office at DTU are placed in **Annexure at pages 52 to 57**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of the Roles, Responsibilities and Administrative Structure of Corporate Relationship Office at DTU.*

*Further, the proposal was also considered by the Finance Committee in its 34<sup>th</sup> meeting held on 02.07.2024. The Finance Committee recommended the proposal to the Board of Management for its approval.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and Finance Committee, and approved the Roles, Responsibilities and Administrative Structure of Corporate Relationship office at DTU with minor modifications, suggested by the Finance Committee.





## Agenda 51.22 : Approval of Research & Development Schemes for Faculty.

It was submitted to the Board of Management that meetings of following committee constituted by competent authority to frame the guidelines of administrative structure for Research & Development Office, Corporate Relationship Office and Other Policies were held on 08/02/2024, 15/02/2024, 19/02/2024 & 19/04/2024.

- |                                 |               |
|---------------------------------|---------------|
| 1. Prof. A. K. Sahu, Dean IRD   | : Chairperson |
| 2. Prof. Vishal Verma, EE       | : Member      |
| 3. Prof. Girish Kumar, ME       | : Member      |
| 4. Prof. K. C. Tiwari, CE       | : Member      |
| 5. Dr. Rajeev Kumar Mishra, ENV | : Member      |
| 6. Dr. Bharti Singh, AP         | : Member      |
| 7. Prof. Roli Purwar, AD-IRD    | : Convener    |

After discussion and deliberations, the guidelines for Schemes for Faculty such as Young Faculty Grant, Equipment Matching Grant, Faculty Interdisciplinary Research Project, Multi Institutional Faculty Interdisciplinary Research Project) were created. The same was discussed in the meetings of Dean's & HOD's Chaired by Hon'ble Vice Chancellor on 02/04/2024, 19/04/2024 and 23/04/2024. Following the recommendations from the Hon'ble Vice Chancellor, as well as feedback from the Deans and HoDs, the draft was revised. The committee proposed following schemes:

1. Young Faculty Grant.
2. Equipment Matching Grant.
3. Faculty Interdisciplinary Research Project.
4. Multi Institutional Faculty Interdisciplinary Research Project.

The details of Research & Development (R&D) schemes for Faculty are placed in **Annexure at pages 58 to 63**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of the Research & Development Schemes (Young Faculty Grant, Equipment Matching Grant, Faculty Interdisciplinary Research Project, Multi Institutional Faculty Interdisciplinary Research Project) for Faculty.*

*The proposal was also placed before the Finance Committee in its 34<sup>th</sup> meeting held on 02.07.2024. The Finance committee considered and recommended the proposal to the Board of Management for its approval.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and Finance Committee and approved the Research & Development Schemes for Young Faculty Grant, Equipment Matching Grant, Faculty Interdisciplinary Research Project, Multi Institutional Faculty Interdisciplinary Research Projects for faculty members of DTU.



**Agenda 51.23 : Approval of Policy for Corporate Social Responsibility (CSR) at DTU.**

It was submitted to the Board of Management that meetings of following committee constituted by competent authority to frame the guidelines of administrative structure for Research & Development Office, Corporate Relationship Office and Other Policies were held on 08/02/2024, 15/02/2024, 19/02/2024 & 19/04/2024.

- |                                 |               |
|---------------------------------|---------------|
| 1. Prof. A. K. Sahu, Dean IRD   | : Chairperson |
| 2. Prof. Vishal Verma, EE       | : Member      |
| 3. Prof. Girish Kumar, ME       | : Member      |
| 4. Prof. K. C. Tiwari, CE       | : Member      |
| 5. Dr. Rajeev Kumar Mishra, ENV | : Member      |
| 6. Dr. Bharti Singh, AP         | : Member      |
| 7. Prof. Roli Purwar, AD-IRD    | : Convener    |

After discussion and deliberations, the Policy of Corporate Social Responsibility (CSR) at DTU were created. The same was discussed in the meetings of Dean's & HOD's Chaired by Hon'ble Vice Chancellor on 02/04/2024, 19/04/2024 and 23/04/2024. Following the recommendations from the Hon'ble Vice Chancellor, as well as feedback from the Deans and HoDs, the draft was revised. The committee proposed Policy for Corporate Social Responsibility (CSR) at DTU. The details are given in **Annexure at pages 64 to 66**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of the Policy for Corporate Social Responsibility (CSR) at DTU.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved the Policy for Corporate Social Responsibility (CSR) at DTU. The Board advised to adopt proposed administrative positions at par with equivalent positions in the Government of NCT of Delhi.

## Agenda 51.24 : Approval of Policy for Chair Professorship at DTU.

It was submitted to the Board of Management that meetings of following committee constituted by competent authority to frame the guidelines of administrative structure for Research & Development Office, Corporate Relationship Office and Other Policies were held on 08/02/2024, 15/02/2024, 19/02/2024 & 19/04/2024.

1. Prof. A. K. Sahu, Dean IRD : Chairperson
2. Prof. Vishal Verma, EE : Member
3. Prof. Girish Kumar, ME : Member
4. Prof. K. C. Tiwari, CE : Member
5. Dr. Rajeev Kumar Mishra, ENV : Member
6. Dr. Bharti Singh, AP : Member
7. Prof. Roli Purwar, AD-IRD : Convener

After discussion and deliberations, the Policy for Chair Professorship at DTU were created. The same was discussed in the meetings of Dean's & HOD's Chaired by Hon'ble Vice Chancellor on 02/04/2024, 19/04/2024 and 23/04/2024. Following the recommendations from the Hon'ble Vice Chancellor, as well as feedback from the Deans and HoDs, the draft was revised. The committee proposed Policy for Chair Professorship at DTU. The details are given in **Annexure at pages 67 to 69**.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of the Policy for Chair Professorship at DTU.*

**Decision : The Board of Management considered the recommendations of the Academic Council and approved the Policy for Chair Professorship at DTU.**

**Agenda 51.25 : Approval of Policy for Technology Transfer at DTU.**

It was submitted to the Board of Management that meetings of following committee constituted by competent authority to frame the guidelines of administrative structure for Research & Development office, Corporate Relationship office and other Policies were held on 08/02/2024, 15/02/2024, 19/02/2024 & 19/04/2024.

- |                                 |               |
|---------------------------------|---------------|
| 1. Prof. A. K. Sahu, Dean IRD   | : Chairperson |
| 2. Prof. Vishal Verma, EE       | : Member      |
| 3. Prof. Girish Kumar, ME       | : Member      |
| 4. Prof. K. C. Tiwari, CE       | : Member      |
| 5. Dr. Rajeev Kumar Mishra, ENV | : Member      |
| 6. Dr. Bharti Singh, AP         | : Member      |
| 7. Prof. Roli Purwar, AD-IRD    | : Convener    |

After discussion and deliberations, the Policy for Technology Transfer at DTU were created. The same was discussed in the meetings of Dean's & HOD's Chaired by Hon'ble Vice Chancellor on 02/04/2024, 19/04/2024 and 23/04/2024. Following the recommendations from the Hon'ble Vice Chancellor, as well as feedback from the Deans and HoDs, the draft was revised. The committee proposed Policy for Technology Transfer at DTU. The details are given in ***Annexure at pages 70 to 75.***

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of the Policy for Technology Transfer at DTU.*

**Decision : The Board of Management considered the recommendations of the Academic Council and approved the Policy for Technology Transfer at DTU.**

**Agenda 51.26 : Approval of revised guidelines for evaluation of B.Tech, M.Tech Major Project-II and M.Sc. Major Project.**

It was submitted to the Board of Management that meetings of following committee constituted by competent authority to revised the revise the guidelines for evaluation of B.Tech, M.Tech and M.Sc. Major Projects were held on 12<sup>th</sup> & 19<sup>th</sup> January 2024.

1. Prof. A.K. Sahu, Dean –IRD : Chairperson
2. Prof. Rinku Sharma, Dean Academic PG : Member
3. Prof. Rajeshwari Pandey, Dean Academic UG : Member
4. Prof. Girish Kumar, CEO- IIF : Member
5. Prof. Rajesh Rohilla, Head, T&P : Member
6. Prof. Roli Purwar, AD-IRD : Member Secretary

After discussion and deliberations committee revised the guidelines and additional guidelines proposed for award of grades as outcome of Start-up/Product Development in Major Projects/Dissertations submitted by UG & PG students. The committee recommended the following guidelines.

**1. B. Tech Major Project**

Existing grading system for B.Tech Project-II.

Grade	Conditions to be fulfilled
O or A+	One paper accepted/published in SCI/SCI expanded /SSCI / Scopus indexed journal and on the basis of performance during the viva voce.
A+ or A	One good quality full-length papers accepted/published in peer reviewed Scopus indexed conference and on the basis of performance during the viva voce.
B+/B/C/P/F	On the basis of performance during the viva voce.

(A) Proposed grade table for evaluation of project

Maximum Grade*	Conditions to be fulfilled.
O	One paper accepted/published in SCI/SCIE/SSCI/Scopus indexed journal and on the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.

A+	One good quality full length paper accepted/published in peer reviewed ESCI Journal/Scopus indexed conference proceedings and on the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	On the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.

\*Committee may give any grade from F to Maximum grade.

(B) The student/ team who want to opt their major project as Startup or Product Development must submit a declaration form as prescribed format given in Annexure - I below, in the first week August to the coordinator. A department level committee may be constituted for evaluations of project based on Start-up/ Technology development with following composition.

- i. Chairperson BOS or Professor nominated by BOS.
- ii. Two nominations from DTU-IIF in the category of Successful entrepreneur/angel investor or Venture Capitalist/Product or Technology Expert or Technology transfer expert.
- iii. Department Faculty Coordinator., Member Secretary.

(C) Proposed grade table for evaluation of project as Start-Up

Maximum Grade*	Conditions to be fulfilled
O	Department for Promotion of Industry and Internal Trade (DPIIT) recognized start-up or received seed funding from Govt. for startup and raised external funding of at least Rs. 30 lakhs and on the basis of other rubrics of project evaluation such as Value creation, Market Size, Sectoral Growth Rate, Scalability in the Business, Business execution & operation model, Risks involved and Mitigation Plans, Financial Returns and revenue model, Intellectual Property if any, Awards, Achievement, Accolades etc., continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A+	Establish the legal structure of the start-up company or DPIIT recognition or receiving seed funding from central/state Govt. schemes or from some incubator and on the basis of other

	rubrics of project evaluation such as Value creation, Market Size, Sectoral Growth Rate, Scalability in the Business, Business execution & operation model, Risks involved and Mitigation Plans, Financial Returns and revenue model, Intellectual Property if any, Awards, Achievement, Accolades etc., continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	On the basis of stage of start-up i.e. ideation, idea validation, prototyping, creating team and business plan, validation for product market fit, product with pre revenue stage, and other rubrics of project evaluation such as Value creation, Market Size, Sectoral Growth Rate, Scalability in the Business, Business execution & operation model, Risks involved and Mitigation Plans, Financial Returns and revenue model, Intellectual Property if any, Awards, Achievement, Accolades etc., continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.

\*Committee may give any grade from F to Maximum grade.

(D) Proposed grade table for evaluation of project as Product Development

Maximum Grade*	Conditions to be fulfilled
O	Achieving Technology Readiness Level (TRL) 5 i.e. Technology tested/demonstrated under a controlled environment and on the basis of other rubrics of project evaluation such as understanding of translational scientific research, proof-of-concept, testing of technology, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A+	Achieving TRL — 4 i.e. Technology validated in a controlled environment and on the basis of other rubrics of project evaluation such as understanding of translational scientific research, proof-of-concept, testing of technology, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	Achieving TRL- 2 to 3 i.e. Experimental Proof of Concept/ Technology tested in a lab, and on the basis of other rubrics of project evaluation continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.



\*Committee may give any grade from F to Maximum grade.

- a) The students will be required to submit a final project report to the project coordinator, at least 3 days before the date of final project examination.
- b) The final examination may be in the form of demonstration in the laboratory and viva-voce or only viva voce depending upon the nature of the project.
- c) The examination committee will award marks to individual students and forward them to project coordinator who will compute grades in accordance with the prescribed procedures as given in Project
- d) The Grade Moderation Committee for the course will be the same as that for other courses of the class.
- e) In case a student is awarded a failing grade in the B.Tech. Project, he / she shall have to repeat the course in the form of a new project. Such a student will have to work full time on the project for a minimum period of 4 months.
- f) Normal attendance regulations will not apply to this course.

## 2. M. Tech Major Project

Existing grading system for M.Tech Project-II.

Grade	Conditions to be fulfilled
O or A+	One paper accepted/published in SCI/SCI expanded /SSCI / Scoups indexed journal and on the basis of performance during the viva voce.
A+ or A	Two good quality full-length papers accepted/published in peer reviewed Scopus indexed conference and on the basis of performance during the viva voce.
B+/B/C/P/F	On the basis of performance during the viva voce.

a) Proposed grade table for evaluation of project

Maximum Grade*	Conditions to be fulfilled.
O	One paper accepted/published in SCI/SCIE/SSCI/Scopus indexed journal and on the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A+	Two good quality full length paper accepted/published in peer reviewed ESCI Journal/Scopus indexed conference proceedings and on the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	On the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous



	evaluation, project/dissertation report, presentation and performance during the viva- voce.
--	--

\*Committee may give any grade from F to Maximum grade.

b) The student who want to opt their major project as Startup or Product Development must submit a declaration form as prescribed format given in Annexure —2 in the first week August to the coordinator. A department level committee may be constituted for evaluations of project based on Startup/Technology development with following composition.

- a. Chairperson BOS or Professor nominated by BOS.
- b. Two nominations from DTU-IIF in the category of Successful entrepreneur /angel investor or Venture Capitalist/Product or Technology Expert or Technology transfer expert.
- c. Department Faculty Coordinator., Member Secretary.

c) Proposed grade table for evaluation of project as Start-Up

Maximum Grade*	Conditions to be fulfilled
O	Department for Promotion of Industry and Internal Trade (DPIIT) recognized start-up or received seed funding from Govt. for startup and raised external funding of at least Rs. 30 lakhs and on the basis of other rubrics of project evaluation such as Value creation, Market Size, Sectoral Growth Rate, Scalability in the Business, Business execution & operation model, Risks involved and Mitigation Plans, Financial Returns and revenue model, Intellectual Property if any, Awards, Achievement, Accolades etc., continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A+	Establish the legal structure of the start-up company or DPIIT recognition or receiving seed funding from central/state Govt. schemes or from some incubator and on the basis of other rubrics of project evaluation such as Value creation, Market Size, Sectoral Growth Rate, Scalability in the Business, Business execution & operation model, Risks involved and Mitigation Plans, Financial Returns and revenue model, Intellectual Property if any, Awards, Achievement, Accolades etc., continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	On the basis of stage of start-up i.e. ideation, idea validation, prototyping, creating team and business plan, validation for product market fit, product with pre revenue stage, and other rubrics of project evaluation such as Value creation, Market Size, Sectoral Growth Rate, Scalability in the Business, Business

	execution & operation model, Risks involved and Mitigation Plans, Financial Returns and revenue model, Intellectual Property if any, Awards, Achievement, Accolades etc., continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
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\*Committee may give any grade from F to Maximum grade.

d) Proposed grade table for evaluation of project as Product Development

Maximum Grade*	Conditions to be fulfilled
O	Achieving Technology Readiness Level (TRL) 6 i.e. Technology tested/demonstrated under a controlled environment and on the basis of other rubrics of project evaluation such as understanding of translational scientific research, proof-of-concept, testing of technology, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A+	Achieving TRL — 5 i.e. Technology validated in a controlled environment and on the basis of other rubrics of project evaluation such as understanding of translational scientific research, proof-of-concept, testing of technology, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	Achieving TRL- 2 to 4 i.e. Experimental Proof of Concept/ Technology tested in a lab, and on the basis of other rubrics of project evaluation continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.

\*Committee may give any grade from F to Maximum grade.

### 3. M. Sc. Major Project

Existing grading system for M.Sc. Dissertation Project of final year.

Grade	Conditions to be fulfilled
O or A+	One paper accepted/published in SCI/SCI expanded /SSCI / Scopus indexed journal and on the basis of performance during the viva voce.
A+ or A	One good quality full-length papers accepted/published in peer reviewed Scopus indexed conference and on the basis of performance during the viva voce.
B+/B/C/P/F	On the basis of performance during the viva voce.

a) Proposed grade table for evaluation of project

<b>Maximum Grade*</b>	<b>Conditions to be fulfilled.</b>
O	One paper accepted/published in SCI/SCIE/SSCI/Scopus indexed journal and on the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A+	One good quality full length paper accepted/published in peer reviewed ESCI Journal/Scopus indexed conference proceedings and on the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.
A	On the basis of other rubrics of project evaluation such as scientific understanding, experimental design, continuous evaluation, project/dissertation report, presentation and performance during the viva- voce.

\*Committee may give any grade from F to Maximum grade.



**Govt. of N.C.T. of Delhi**  
**DELHI TECHNOLOGICAL UNIVERSITY**  
(Formerly Delhi College of Engineering)  
Shahbad Daulatpur, Bawana Road-Delhi-42  
Office of Industrial Research & Development

**Project Declaration Form**

1. Name of Student: -

.....  
.....

2. Roll No. of Student: -

.....  
.....

3. Name of Supervisor: -

.....  
.....

4. Name of Department: -

.....  
.....

5. Track of B. Tech Project: -

(a) Startup

[     ]

(b) Product Development

[     ]

6. Title of the Proposal.

7. Abstract and specific aims. (A one paragraph summary of the idea and summary of the proposal goals.)

**Signature of Student**

**Signature of Supervisor**

**Signature of Head of Department**

**Signature of Dean Academic (UG)**



**Govt. of N.C.T. of Delhi**  
**DELHI TECHNOLOGICAL UNIVERSITY**  
(Formerly Delhi College of Engineering)  
Shahbad Daultapur, Bawana Road-Delhi-42  
Office of Industrial Research & Development

**Project Declaration Form**

1. Name of Student: - .....
2. Roll No. of Student: - .....
3. Name of Supervisor: - .....
4. Name of Department: - .....
5. Track of B. Tech Project: -
 

(a) Startup	[     ]
(b) Product Development	[     ]
6. Title of the Proposal.
7. Abstract and specific aims. (A one paragraph summary of the idea and summary of the proposal goals.)

**Signature of Student**

**Signature of Supervisor**

**Signature of Head of Department**

**Signature of Dean Academic (PG)**

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and approved the proposal, subject to the relevancy of the startups with the respective discipline and fulfilment of the project requirement of the program. The Council also recommended the proposal to the Board of Management for approval of the revised guidelines for evaluation of B. Tech, M. Tech Major Project-II and M.Sc. Major Project.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved the revised guidelines for evaluation of B.Tech, M.Tech Major Project-II and M.Sc. Major Projects, subject to the relevancy of the startups with the respective discipline and fulfilment of the project requirement of the program.

**Agenda 51.27 : Approval of Mandatory Publication Requirement for Award of Ph.D Degree –Discipline of Design.**

As per the discussion during the 38<sup>th</sup> Academic Council meeting (Agenda no. 38.15), it had been asked to provide additional information and insights regarding the selection of journals for Ph.D. candidates in the Department of Design, in accordance with Section R 15.2 of the Ph.D. Ordinance.

After thorough consideration and consultation with experts in the field, it has been acknowledged that there are limited SCI (Science Citation Index) journals available in the specific areas of visual design, interaction design, fashion design, and other creative design-related fields. Consequently, it has been proposed to include Scopus indexed/Arts & Humanities Citation Index (AHCI)/Emerging Science Citation Index (ESCI) journals as acceptable alternatives for publications.

This recommendation for taking appropriate decision was reached after extensive consultations with experts across various institutions in India. It was noted that in order to support all research scholars uniformly, it was imperative to consider publications in Social Science Citation Index (SSCI)/AHCI/ESCI/SCOPUS indexed journals, in addition to SCI/SCIE journals. This approach ensures that research efforts are duly recognized and encouraged, fostering a conducive environment for scholarly pursuits in design.

Furthermore, some experts presented equivalent engineering technological journals for consideration. Upon review, it was observed that these journals primarily focus on scientific and engineering research, with limited scope for creativity and innovation, which are integral aspects of design research.

Currently, the Department of Design at DTU (Delhi Technological University) is home to nearly 20 research scholars. Since the beginning of 2019, these scholars are putting efforts to publish in SCI journals and in equivalent journals. Recognizing the importance of motivating and encouraging research scholars, it is essential to provide them with avenues for publication in alternative journals to sustain their interest and engagement in design research. Failure to provide such alternatives may result in a loss of interest among candidates, potentially rendering them ineligible for opportunities within and outside the institution.

The DRC Design prepared list of journals (AHCI/ESCI/SCOPUS Indexed Journals) and recommended that the additional journals may be considered for the mandatory publication requirement for completion of Ph.D Degree by

the Scholar in the discipline of Design, in addition to the existing SCI/SCIE/SSCI journals already prescribed for mandatory publication requirement:

S. No.	R 15.2(iii) Existing Ph.D Regulation	Proposed Amendments
1.	Candidate has published minimum two research papers in SCI/ SCI expanded/ SSCI indexed journals or has produced the evidence in the form of acceptance letter. Only those publications will be counted toward the minimum condition where the sole authors of the papers are the candidate or candidate and supervisor(s) both.	For discipline of Design and related areas Candidate has published minimum two research Papers in SCI/ SCI expanded/ SSCI indexed journals/ Scopus journals/ AHCI / ESCI indexed journals list or has produced the evidence in the form of acceptance letter. Only those publications will be counted toward the minimum condition where the sole authors of the papers are the candidate or candidate and supervisor(s) both.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered recommended the proposal to the Board of Management for approval of Mandatory Publication Requirement for Award of Ph.D Degree –Discipline of Design, as proposed.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved the Mandatory Publication Requirement for Award of Ph.D Degree in discipline of Design, as proposed.



**Agenda 51.28 : Approval for Establishment of Centre for Community Development and Research.**

It was submitted to the Board of Management that the following Committee was constituted by the C/A for preparing a detailed proposal to establish a Centre for Community Development and Research at DTU.

- |                         |                  |
|-------------------------|------------------|
| 1. Prof. Girish Kumar,  | Chairperson      |
| 2. Prof. V. K. Minocha, | Member           |
| 3. Prof. Rajiv Kapoor,  | Member           |
| 4. Prof. Vishal Verma,  | Member           |
| 5. Prof. Roli Purwar,   | Member           |
| 6. Prof. Anil Parihar,  | Member           |
| 7. Dr. Anil Kumar,      | Member           |
| 8. Dr. Saurabh Agrawal, | Member           |
| 9. Dr. Rounak Mustafa,  | Member           |
| 10. Dr. Ravindra Singh, | Member Secretary |

The committee prepared a detailed proposal which is placed in **Annexure at pages 76 to 86.**

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and approved in principle. The Council also recommended the proposal to the Board of Management for approval for establishment of the Centre for Community Development and Research at DTU.*

**Decision : The Board of Management considered the recommendations of the Academic Council and approved in principle for establishment of the Centre for Community Development and Research at DTU.**

## **Agenda 51.29 : Approval for creation of office of Dean (Digital Education).**

It was submitted to the Board of Management that the University proposed to create new Dean office as Dean (Digital Education)

Following shall be the responsibilities of the Deans:

New circumstances and realities require new initiatives. The recent rise in epidemics and pandemics necessitates that we are ready with alternative modes of quality education whenever and wherever traditional and in-person modes of education are not possible. In this regard, the National Education Policy 2020 recognizes the importance of leveraging the advantages of technology while acknowledging its potential risks and dangers. It calls for carefully designed and appropriately scaled pilot studies to determine how the benefits of online/digital education can be reaped. In the meantime, the existing digital platforms and ongoing ICT-based educational initiatives must be optimized and expanded to meet the current and future challenges in providing quality education for all.

However, the benefits of online/digital education cannot be leveraged unless the digital divide is eliminated through concerted efforts, such as the Digital India campaign and the availability of affordable computing devices. It is important that the use of technology for online and digital education adequately addresses concerns of equity.

Teachers require suitable training and development to be effective online educators. There are numerous challenges to conducting online examinations at scale, including limitations on the types of questions that can be asked in an online environment, handling network and power disruptions, and preventing unethical practices. Certain types of courses/subjects, such as performing arts and science practical have limitations in the online/digital education space, which can be overcome to a partial extent with innovative measures. Further, unless online education is blended with experiential and activity-based learning, it will tend to become a screen-based education with limited focus on the social, affective and psychomotor dimensions of learning.

Given the emergence of digital technologies and the emerging importance of leveraging technology for teaching-learning at all levels from school to higher education, following key initiatives are recommended:

- (a) Pilot studies for online education:** Appropriate agencies, such as the NETF, CIET, NIOS, IGNOU, IITs, NITs, etc. will be identified to conduct a series of pilot studies, in parallel, to evaluate the benefits of integrating education with online education while mitigating the downsides and also to study related areas, such as, student device addiction, most preferred formats of e-content, etc. The results of these pilot studies will be publicly communicated and used for continuous improvement.

- (b) **Digital infrastructure:** There is a need to invest in creation of open, interoperable, evolvable, public digital infrastructure in the education sector that can be used by multiple platforms and point solutions, to solve for India's scale, diversity, complexity and device penetration. This will ensure that the technology-based solutions do not become outdated with the rapid advances in technology.
- (c) **Online teaching platform and tools:** Appropriate existing e-learning platforms such as SWAYAM, DIKSHA, will be extended to provide teachers with a structured, user-friendly, rich set of assistive tools for monitoring progress of learners. Tools, such as, two-way video and twoway-audio interface for holding online classes are a real necessity as the present pandemic has shown.
- (d) **Content creation, digital repository, and dissemination:** A digital repository of content including creation of coursework, Learning Games & Simulations, Augmented Reality and Virtual Reality will be developed, with a clear public system for ratings by users on effectiveness and quality. For fun based learning student-appropriate tools like apps, gamification of Indian art and culture, in multiple languages, with clear operating instructions, will also be created. A reliable backup mechanism for disseminating e-content to students will be provided.
- (e) **Addressing the digital divide:** Given the fact that there still persists a substantial section of the population whose digital access is highly limited, the existing mass media, such as television, radio, and community radio will be extensively used for telecast and broadcasts. Such educational programmes will be made available 24/7 in different languages to cater to the varying needs of the student population. A special focus on content in all Indian languages will be emphasized and required; digital content will need to reach the teachers and students in their medium of instruction as far as possible.
- (f) **Virtual Labs:** Existing e-learning platforms such as DIKSHA, SWAYAM and SWAYAMPBHA will also be leveraged for creating virtual labs so that all students have equal access to quality practical and hands-on experiment-based learning experiences. The possibility of providing adequate access to SEDG students and teachers through suitable digital devices, such as tablets with pre-loaded content, will be considered and developed.
- (g) **Training and incentives for teachers:** Teachers will undergo rigorous training in learner-centric pedagogy and on how to become high-quality online content creators themselves using online teaching platforms and tools. There will be emphasis on the teacher's role in facilitating active

student engagement with the content and with each other. 59 National Education Policy 2020

- (h) Online assessment and examinations:** Appropriate bodies, such as the proposed National Assessment Centre or PARAKH, School Boards, NTA, and other identified bodies will design and implement assessment frameworks encompassing design of competencies, portfolio, rubrics, standardized assessments, and assessment analytics. Studies will be undertaken to pilot new ways of assessment using education technologies focusing on 21st century skills.
- (i) Blended models of learning:** While promoting digital learning and education, the importance of face-to-face in-person learning is fully recognized. Accordingly, different effective models of blended learning will be identified for appropriate replication for different subjects.
- (j) Laying down standards:** As research on online/digital education emerges, NETF and other appropriate bodies shall set up standards of content, technology, and pedagogy for online/digital teaching-learning. These standards will help to formulate guidelines for e-learning by States, Boards, schools and school complexes, HEIs, etc.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of creation of new office of Dean (Digital Education).*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved for creation of new office of Dean (Digital Education).

**Agenda 51.30 : Approval for creation of Centre of Executive Education and position of Director and Associate Director.**

In pursuant to the implementation of the national Education Policy at DELHI TECHNOLOGICAL UNIVERSITY, the University intend to open Centre for Executive Education and become a centre for excellence in the field of executive education. DTU has all basic and advance infrastructure to support offline and online modes of executive education.

To stay abreast of industry trends and leverage upon emerging opportunities, practicing managers require strategic vision and agility, cross functional understanding and superior management expertise. Leaders of modern day organizations need to continuously sharpen their skills and upgrade their business acumen, to steer their businesses to greater heights of excellence.

Executive Education Programmes being industry-oriented and socially responsive with capacity to have global impact, serve as effective learning interventions for the professional, social and ethical advancement of working executives. The curricula and pedagogy are exclusively designed to develop participants' understanding of business and enable them to assume leadership positions with greater social impact.

**Infrastructure available at DTU:**

1. state-of-the-art studio and
2. post production facilities
3. computer labs/ IT infrastructure
4. high-quality academic resources of our faculty
5. high speed Wi-Fi and communication network for transmission
6. classrooms with modern audio-visual facility

**Objectives:**

1. To provide a robust Executive Education framework to augment leadership skills with modern and industry relevant knowledge in key areas of finance, marketing, and strategic planning
2. The programmes will be designed for business owners/entrepreneurs, and senior business leaders
3. At DTU Executive Education, we will attempt to formulate our programmes to meet the changing dynamics of national and global scale and to respond to societal needs
4. Offering new programmes in the various fields of engineering and management to achieve the objectives of the program
5. Offer pre-programmes in niche areas in consonance with the policies of the Government of India
6. To conduct capacity building programs.

## **STRUCTURE:**

1. Director, Executive Education
2. Associate Director
3. Admin staff

## **Courses to be offered:**

The DTU will offer executive programs in various formats and modes to meet the requirement of the corporate/institutional organizations and/or the participants. They can choose from a wide range of learning options, from in-person classes to live online sessions, from short duration capsule interventions, to phased multi-module programmes and long-duration virtual programmes.

DTU plans to offer Executive Education programmes in the following formats:

- **Open Programmes** - Calendarized set of Open-enrolment programmes in the 'retail' format, on topics across the entire spectrum of functional areas in the Business Management domain.
- **Customized Training Programmes** - Also called In-Company programmes, these are tailor-made modules, developed to address specific learning needs of individual corporate clients.
- **Any other mode as may be designed to meet the futuristic requirements**
- **Consultancy** - DTU undertakes Consulting assignments, in the form of:
  - Business Consulting
  - Government and Social Sector Consulting
  - External Teaching
  - Expert Advisory services

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and recommended the proposal to the Board of Management for approval of creation of Centre of Executive Education and position of Director and Associate Director.*

**Decision :** The Board of Management considered the recommendations of the Academic Council and approved for creation of Centre of Executive Education and position of Director and Associate Director.



**Agenda 51.31 : Approval for Establishment of Nodal Centre of Excellence in Energy Transition.**

It was submitted to the Board of Management that Energy Transition demonstrates a shift from fossil-based systems of energy production and consumption. It targets (i) Reduction of reliance on non-renewables and (ii) Shifting to clean energy sources in order to mitigate impacts of climate change, and promote sustainability. India has set a target to reduce the carbon intensity of the nation's economy by less than 45% by end of decade, achieving 50% cumulative of installed capacity by 2030 from renewables and achieve net zero carbon emissions by year 2070. In order to achieve these targets, energy transition is going to be the key. The centre at the North Campus of DTU will serve as the hub for all research related to the critical domain of energy transition to clean, sustainable and renewable energy sources. This centre shall deal with all aspects of environmental science, engineering, economics and policy to address the challenges associated with the energy transition. The centre shall work in collaboration with other academic and research institutions, along with industry partners, to facilitate the development of cutting-edge research facilities and technologies for reduced greenhouse emissions, improvement of energy efficiency, energy-efficient materials and designs, clean-energy production, energy storage and distribution, low carbon development of electricity, development of efficient transport systems, low emission buildings and other interdisciplinary areas related to energy translation. The centre shall also be dedicated to specifically addressing problems of the Indian scenario where meeting industrial and domestic demands through renewable energy sources such as hydrogen energy and solar energy remains a challenge. The University, through this centre of excellence, shall support and encourage all research initiatives and outreach programs related to energy transition in different sectors such as industrial processing, manufacturing, and transportation.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and approved in principle. The Council also recommended the proposal to the Board of Management for approval of Establishment of Nodal Centre of Excellence in Energy Transition.*

**Decision : The Board of Management considered the recommendations of the Academic Council and approved in principle for Establishment of Nodal Centre of Excellence in Energy Transition.**



**Agenda 51.32 : To add 10%-20% Supernumerary seats for girls in all B.Tech programs of DTU.**

It was well-known that women are under-represented in Engineering field. It becomes crucial to address the lack of gender balance in engineering and the factors causing it. To address the issue of under-representation of female students in all the IITs, the Union Ministry of Human Resource Development, introduced the concept of '**Supernumerary seats**' for women in 2018. Presently IITs, NITs and NSUT are having 20% supernumerary seats for girls. This has improved the number of girl students in these institutes.

DTU also has a very poor gender ratio specially in engineering programs, with average number of girl students only about 6.5% in last four years. Taking cue from the positive experience of the institutes having the provision for Supernumerary seats for girls, it is proposed that DTU may also have 10% - 20% Supernumerary seats for girls in all the B.Tech programs in line with NSUT. This is also as per NEP guidelines. In this regard, as both NSUT and DTU have joint counselling, it was also proposed that the NSUT policy for admission of girl students under Supernumerary seats may be adopted.

*The proposal was placed before the Academic Council in its 39<sup>th</sup> meeting held on 19.06.2024. The Academic Council considered and approved the proposal in principle. The Council also recommended the proposal to the Board of Management for approval to add 10%-20% Supernumerary seats for girls in all B.Tech programs of DTU.*

**Decision : The Board of Management considered the recommendations of the Academic Council and approved in principle to add 10%-20% Supernumerary seats for girls in all B.Tech programs of DTU w.e.f. AY 2025 – 26.**

**Agenda 51.33 : Engagement of Adjunct Faculty, Professor Emeritus, Honorary faculty and Visiting Faculty in the Academic Departments of the University.**

In exercise of powers conferred under sub-clause 2(f) of Clause 10 of the Delhi Technological University (First) Statutes 2009 notified vide Gazette Notification no. F1(1050)/2009-SB/591-597 dated 13-08-2009, the Board of Management in its 22<sup>nd</sup> meeting held on 13-01-2017 vide agenda item no. 22.5 had approved the guidelines for appointment of Adjunct Faculty, Professor Emeritus, Honorary Faculty and Visiting Faculty. Consequently, the University advertised the posts of Adjunct Faculty, Professor Emeritus, Honorary Faculty and Visiting Faculty in various academics department of the University vide Advertisement no.02/2023 F.DTU/ Rectt./ AHEV/ 2023/ 2023/ F-933/ 2401 dated 17-04-2023 & Advertisement No. 04/ 2023 F.DTU/ Rectt./ AHEV/ 2023/ F-933/ 2606 dated 29.12.2023.

In response to these advertisements a Sub-committee consisting of (i) Prof. Rajeshwari Pandey, Dean (Under Graduate studies), (ii) Prof. Rinku Sharma, Dean (Post Graduate Studies), (iii) HOD of the concerned Department was constituted vide order no. F.DTU/ Rectt./ AHEV/ 2023/ F-933/ 2752 dated 04-03-2024. Based on the recommendations of the Sub-committee the shortlisted candidates were invited for interaction on 20-06-2024 and 21-06-2024, with the following Committee headed by the Vice Chancellor as per the approved guidelines: -

(i) Prof. Prateek Sharma, Vice Chancellor	Chairperson
(ii) Prof. R. Pandey, Dean (Under Graduate studies)	Member
(iii) Prof. Rinku Sharma, Dean (Post Graduate Studies)	Member
(iv) HOD of the Concerned Department(s)	Member
(v) Senior most Professor of the concerned department other than HOD	Member

The minutes of the meetings of above committee held on 20-06-2024 and 21-06-2024 have been kept in sealed envelopes, after the interaction meeting as detailed above.

The Board of Management was requested to open the sealed envelope for considering and approving the minutes of meetings of Interaction for engagement of Adjunct Faculty, Professor Emeritus in the Academic Departments of the University in line with the guidelines. Further, the information for engagement of Honorary faculty and Visiting Faculty in the Academic Departments of the University was also provided in the above minutes of the meetings.

**Decision : The Board of Management considered and approved the recommendations of the Committee for engagement of Adjunct**

**Faculty, Professor Emeritus, Honorary faculty and Visiting Faculty in the Academic Departments of the University. Following candidates have been selected for appointment:**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>	<b>Period of engagement</b>
<b>Applied Physics Department</b>			
1.	Prof. Surjit Mukherjee	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
2.	Prof. Shailesh Narain Sharma	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
3.	Prof. Himadri Bihari Bohidar	Honorary Faculty	Initially for Five years
<b>Delhi School of Management</b>			
4.	Dr. Anil Kumar Goswami	Adjunct Faculty	Initially for One year extendable up to 05 years
<b>Applied Mathematics Department</b>			
5.	Prof. Brij Kishore Tyagi	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
<b>USME</b>			
6.	Prof. Manoj Kumar Sharma	Visiting Faculty	Initially for One year extendable up to 02 years or 70 years of age whichever is earlier.
7.	Prof. Ashok Mittal	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
8.	Sh. Raajiv Yaduvanshi	Adjunct Faculty	Initially for One year extendable up to 05 years.

S.No.	Name	Designation	Period of engagement
9.	Dr. Rajiv Arora	Adjunct Faculty	Initially for One year extendable up to 05 years.
10.	Dr. Anil Kumar Goswami	Adjunct Faculty	Initially for One year extendable up to 05 years.
<b>Mechanical Engineering Department</b>			
11.	Dr. Jayanta Ghosh Roy	Visiting Faculty	Initially for One year extendable up to 02 years or 70 years of age whichever is earlier.
12.	Prof. Ashok Kumar Madan	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
<b>Civil Engineering Department</b>			
13.	Prof. Dulal Goldar	Adjunct Faculty	Initially for One year extendable up to 05 years.
14.	Prof. Rajeev Kumar Garg	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
15.	Prof. Rakesh Kumar	Professor Emeritus	Initially for One year extendable up to 03 years or 70 years of age whichever is earlier.
<b>Department of Design</b>			
16.	Sh. Lalit Kumar Das	Honorary Faculty	Initially for Five years.
<b>Applied Chemistry Department</b>			
17.	Prof. Anil Kumar	Adjunct Faculty	Initially for One year extendable up to 05 years.
<b>Computer Science &amp; Engineering Department</b>			<i>None found suitable</i>
<b>Electrical Engineering Department</b>			<i>None found suitable</i>
<b>Environmental Engineering Department</b>			<i>None found suitable</i>

**Agenda 51.34 : Clearing/ Closing the Probation period of the Assistant Professor(s) appointed in DTU.**

The Board of Management was hereby apprised that **02 faculty members namely Dr. Deshraj Meena (Applied Physics) and Dr. Harikesh (ECE)** were appointed in DTU in the year 2017 & 2020 respectively. These 02 faculty members have completed their probation period as indicated in their offer of appointment.

In this regard, a committee was constituted by the Competent Authority under the Chairmanship of Prof. Suresh Kumar Garg, Department of Mechanical Engg., DTU to examine the matter regarding clearing/ closing the probation period of the Assistant Professor(s) appointed in DTU.

The committee examined the **Special APAR, Probation Closing/Ending Report, Work and Conduct Certificates, Integrity Certificates, Character and Antecedents and Medical examination reports, Attendances report extend to more than 75% of total probation period of 02 faculty members and compilation sheet in this regard is enclosed at Annexure 'A.** The committee considered AICTE Notification F.61-1/RIFD/7<sup>th</sup> CPC/2016-17 dated 01.03.2019, File No. 1-29/ MS/ AICTE/ 2020 dated 08.07.2020 and office order No. 28020/ 3/ 2018-Estt. dated 11.03.2019 regarding Master Circular on Probation/ Confirmation in Central Services. Consequent upon scrutiny & review of these documents.

The committee recommended for clearing/ closing of the probation period of the faculty members detailed below from the dates indicated mentioned against their name.

S.NO.	FACULTY NAME	DISCIPLINE/ DEPARTMENT	PRESENT DESIGNATION	D.O.J	DUE DATE OF PROBATION CLEARANCE
1.	Dr. Deshraj Meena	Applied Physics	Assistant Professor	10.02.2017	09.02.2018
2.	Dr. Harikesh	Electrical & Communication Engg.	Assistant Professor	24.12.2020	23.12.2021

The Board was requested to consider and approve the recommendations of the committee for closing/clearing the probation period of the above mentioned **02 faculty members** appointed in DTU.

**Decision : The Board of Management considered and approved for Clearing/ Closing the Probation period of above mentioned 02 Assistant Professors appointed in DTU.**



**Agenda 51.35 : Nomination of members for Planning Board of the University.**

It was submitted to the Board of Management that the existing Planning Board was reconstituted way back in the year 2021. The tenure of existing members of the Planning Board has expired on 14-06-21. As such there is need to nominate new members for the Planning Board.

As per the section 26 of Delhi Technological University Act, 2009 – *“There shall be constituted a Planning Board of the University to be the principal planning body of the University and shall also be responsible for monitoring the development of the University”.*

Further, vide Clause 12 sub-clause (1) of Statutes (First), it is defined that *“the Planning Board shall consist of Vice-Chancellor and **not more than six members to be nominated by the Board Of Management”.***

Clause 12 sub clause (2) specifies that *“All the members other than Vice Chancellor, shall hold office for a term of three years”.*

Accordingly, list of new members was proposed by the Hon'ble Vice Chancellor and placed before the Board of Management for its consideration.

**Decision : The Board of Management considered and nominated the following six members for the Planning Board of the University as per provision laid down in the Statues (First) of the University along with a special invitee.**

1. **Prof. Ashok Banerjee** – Director, IIM Balicha Campus, Udaipur, Rajasthan 313001
2. **Prof. S.G. Deshmukh** – Professor in Mechanical Engineering Deptt., IIT Delhi
3. **Dr. Pankaj Jalote** – Distinguished Professor, IIIT Delhi, Okhla Industrial Estate, Phase III, New Delhi 110020
4. **Prof. B.R. Mehta** – Vice Chancellor, Jaypee Institute of Information Technology, A-10, Sector 62, Noida 201309, U.P.
5. **Dr. Anil Wali** – CEO, BITS BioCyTiH Foundation, BITS Pilani, Goa Campus, Zuarinagar, Goa 403726
6. **Prof. Rajive Kumar** – Member Secretary, AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi – 110070
7. **Commodore (Dr.) R.K. Rana** – Honorary Senior Advisor at the Foundation for Innovation and Technology Transfer (FITT), IIT Delhi Fatula Block, Flat No. 914, Jalvayu Tower, Sector 56, Gurugram 122011, Haryana - **(Special Invitee)**



### Agenda 51.36 : Updation and Revision of DTU House Allotment Rules.

It was submitted to the Board of Management that in the preceding years, many faculty members/ employees from DTU have been proceeded on Deputation/ Lien inside India and abroad to other organisations/ institutions. The existing provisions with regards to maximum permissible period of retention of residence for these category of employees is provided under sub-clause 18.1.5. and 18.1.9

The University has adopted the 7<sup>th</sup> pay commission and accommodation is provided based on their pay scales. The pay grades of the employees need to be modified as per the 7<sup>th</sup> pay commission pay scales in clause 3 of DTU House Allotment Rules.

DTU House Allotment Rules, 2015 were approved by BOM in its 15<sup>th</sup> meeting held on 08/01/2015. These Rules required to be updated and revised in the light of various updated rules and regulations regarding Residential House Allotment.

A committee was constituted to revise/ modify the existing House Allotment Rules in the light of above matters. The Committee has discussed DTU House Allotment Rules, 2015 and recommended the following changes:-

- (a) **Clause 3.** Recommendations of 7<sup>th</sup> Pay Commission have been implemented in DTU. For entitlement of the accommodation, Pay Level should be mentioned in place of Grade Pay as under :-

		<b><u>Existing</u></b>	<b><u>Proposed</u></b>
S.No.	Type of Residence	Grade Pay	Pay Level
(i)	I	Less then Rs 1800	1
(ii)	II	Rs 1900 to 2800	2,3,4,5
(iii)	III	Rs 4200 to Rs 4800	6,7,8,9
(iv)	IV	Rs 5400 to Rs 6600	10, 11
(v)	V	Rs 7600 and above	12,13,14
(vi)	VI	Earmarked for the Vice Chancellor of the University	





- (b) **Clause 7. (Constitution of Allotment Committee)** Constitution of House Allotment Committee should be changed as under :-

**Existing**

Existing Constitution of House Allotment Committee is as under :-

- (i) 7.1.1 - Pro-Vice Chancellor - Chairman
- (ii) 7.1.2 - CPO or a Member from Project Office
- (iii) 7.1.3 - Member from Teaching Faculty
- (iv) 7.1.4 - Member from Non-Teaching Staff
- (v) 7.1.5 - AR (Establishment) or a Member from Estt. Branch
- (vi) 7.1.6 - AR (Estate) or a member from Estate Office (Coordinator)

**Proposed**

- (i) 7.1.1 - Chairman - to be nominated by Hon'ble VC.
- (ii) 7.1.2 - Estate Officer
- (iii) 7.1.3 - Member from Teaching Faculty
- (iv) 7.1.4 - Member (female) from Teaching/Non-Teaching staff
- (v) 7.1.5 - DR/AR (Establishment)
- (vi) 7.1.6 - Member from Non-Teaching Staff.
- (vii) 7.1.7 - DEO/AR (Estate) or a member from Estate Office (Coordinator)

- (c) **Clause 18.1.4 to 18.1.11.**

**Existing**

S. No.	Events	Maximum Permissible period for retention of residence
18.1.1	Resignation, dismissal or removal from service or termination of service or unauthorized absence without permission	1 month
18.1.2	Retirement or terminal leave	2 months on normal license fee, another 2 months on double the normal license fee and another 02 months on four times the normal license fees. <b>On medical/education grounds –</b> Further retention of 01 months on six times the normal license fee.
18.1.3	Death of the allottee	24 months on conditions given in these rules
18.1.4	Transfer of an employee from DTU to another	2 months

	department/ station	
18.1.5	Temporary transfer on foreign assignments/ deputation to a place outside India	6 months
18.1.6	Leave (Other than leave preparatory to retirement, terminal leave, medical leave, sabbatical leave and study leave)	For the period of leave but not exceeding 4 months
18.1.7	Medical Leave	Full period of leave as a per certificate by a medical board of any Government Hospital
18.1.8	Maternity leave	Period of maternity leave plus leave granted in continuation as per the instructions issued by the Govt. of India/ DTU from time to time.
18.1.9	Lien/Deputation inside India	Not exceeding 12 months on payment of advance normal license fees.
18.1.10	Doctoral studies under QIP or any Government funded schemes	Not exceeding 36 months on payment of advance normal license fee
18.1.11	Study leave/sabbatical leave	Full period of leave not exceeding 12 months on payment of advance normal license fees
18.1.12	All other cases of leave	To be approved by Vice Chancellor

### **Proposed**

After taking into consideration of House Allotment Rules of other similar Universities like Delhi University, Jawaharlal Nehru University, Central Government General Pool Residential Accommodation Notification issued from time to time etc, recommends that Clause 18.1.5 and 18.1.9 shall be merged into one Clause and Clause 18 (18.1.1 to 18.1.12) be re-constituted as under :-

18.1.1	Resignation, dismissal or removal from service or termination of service or unauthorized absence without permission	1 month
18.1.2	Retirement or terminal leave	2 months on normal license fee, another 2 months on double the normal license fee and another 02 months on four times the normal license fees.

		<b>On medical/education grounds –</b> Further retention of 01 months on six times the normal license fee.
18.1.3	Death of the allottee	24 months on conditions given in these rules
18.1.4	Transfer of an employee from DTU to another department/ station	2 months
18.1.5	Deputation with Govt. or Foreign Service on Extra Ordinary Leave (Leave & lien)	For the full period of leave/ posting on normal license fee for first 12 months and subsequently on special license fee as prescribed in Central Govt. General Pool Residential Accommodation Notification issued from time to time.
18.1.6	Leave (Other than leave preparatory to retirement, terminal leave, medical leave, sabbatical leave and study leave)	For the period of leave but not exceeding 4 months
18.1.7	Medical Leave	Full period of leave as a per certificate by a medical board of any Government Hospital
18.1.8	Maternity leave	Period of maternity leave plus leave granted in continuation as per the instructions issued by the Govt. of India/ DTU from time to time.
18.1.9	Doctoral studies under QIP or any Govt. funded schemes or when approved by the Delhi Technological University under any other appropriate scheme/ consideration.	Full period of study (approved) but not exceeding 36 months subject to payment of license fees and water charges as for any regular faculty and subject to any other conditions as may be laid down by the Delhi Technological University at the time granting permission/approval for pursuing the Doctoral studies.
18.1.10	Study leave/sabbatical leave	Full period of leave not exceeding 12 months on payment of advance normal license fees
18.1.11	All other cases of leave	To be approved by Vice Chancellor

**Decision : The Board of Management considered and approved for Updation and Revision of DTU House Allotment Rules, 2015 as proposed in agenda 51.36.**

## Agenda 51.37 : Matter for Ratification:

### i. Record retention policy of digital content related to Admission Test in various programmes.

It was apprised to the Board that the Vice Chancellor has approved the record retention policy of digital content related to Admission Test in various programmes.

The framed retention policy is given below: -

S.No.	Nature of Record	Framed retention period
1.	Digital data pertaining to Computer Based Test (CBT) i.e. digital question papers, answer keys, students' responses, results.	03 months after declaration of result except court cases & withheld result, if any.

### ii. Extension of period of Teaching and Non-Teaching staff of DTU.

It was submitted to the Board of Management that the period of service of the following teaching and non-teaching staff has been extended by the Competent Authority:

S.No.	Name & Designation	Period of Extension
1.	Prof. R.S. Mishra Professor (Mechanical Engg.)	Upto 09.07.2026
2.	Sh. Ishan Bhardwaj Section Officer (on deputation)	29.04.2024 to 28.04.2025
3.	Sh. Vijay Kumar Yadav Section Officer (on deputation)	01.04.2024 to 31.03.2025
4.	Sh. Budha Singh Ex. Jr. Mechanic	01.06.2024 30.011.2024

### iii. Extension of period of contract of Contractual faculty in DTU.

It was submitted to the Board of Management that the period of contract of the following faculty has been extended by the Competent Authority for further one year i.e. 10.06.2024 to 09.06.2025 (excluding vacations period of students) or till such time and posts are filled on regular/promotion/deputation whichever is earlier:

S.No.	Name	Department
1.	Sh. Ajay Solanki	Mechanical Engg. Deptt.
2.	Sh. Rakesh Kumar	Mechanical Engg. Deptt.
3.	Sh. Abhinav Chaudhary	DSM
4.	Sh. Kamal Kishore	Applied Physics

**iv. Extension of period of contract of Assistant Professors (on contractual basis) in DTU.**

It was submitted to the Board of Management that the Competent Authority has extended the period of contract of following Assistant Professors (on contractual basis) for further 11 months i.e. from 15.07.2024 to 14.06.2025 or till such time the posts are filled on regular/promotion/deputation whichever is earlier on the same terms and condition and remuneration:

S.No.	Name	Department
1.	Mr. Mohd. Shuaib	Mechanical Engg. Deptt.
2.	Mr. Dadge Mukesh Shamrao	Mechanical Engg. Deptt.
3.	Ms. Indu Singh	Computer Science & Engg.
4.	Ms. Geetanjali garg	Software Engineering
5.	Mr. Ram Murti Rawat	Software Engineering
6.	Ms. Gitanjali Bhola	Information Technology
7.	Dr. Sunita Rastogi Verma	Biotechnology
8.	Dr. Kirti Bhandari	Biotechnology
9.	Dr. Prakash Chawla	Biotechnology

**v. DTU Innovation and Start-Up Policy for Faculty and Students.**

A need for developing innovation and entrepreneurship amongst the faculty and students have long been felt in the country. In 2016, All India Council of Technical Education (AICTE) brought out a 'Startup Action Plan' of Government of India on inculcation of innovation for AICTE approved higher education institutions (HEIs). Subsequently Ministry of Human Resource Development (MHRD) formulated detailed guidelines for various aspects related to innovation, Startup and entrepreneurship management, nurturing the innovation and Startup culture in HEIs, Intellectual Property ownership, revenue sharing mechanisms, norms for technology transfer and commercialization, equity sharing, etc. Finally, National Innovation and Startup Policy 2019 for students and faculties, a guideline framework for HEIs was issued and is actively being implemented by various HEIs across the nation. It is also being simultaneously monitored by AICTE and implementation of the policy as well the progress achieved in development Start-Up Ecosystem in an Institution significantly aids NIRF ranking and besides facilitating various types of Government funds.

Delhi Technological University (DTU) is one of the premier Delhi State University with a rich academic and research culture. It has been contributing to the society by producing finest, technologically

savvy engineers. In the interest of development of a StartUp culture in the University, a Committee as approved by the competent authority has developed DTU Innovation and Start Up Policy for students and faculty of the University. Since, this document was required to be uploaded on website of "Innovation Cell, Ministry of Education, GOI", the approval of the competent authority for the policy was taken on file and the policy promulgated vide DTU-IIF/NISP/06/202-21/302 dated 29.10.22. Subsequently, the promulgation of the policy was ratified in the 34th Academic Council meeting held on 14.12.2022. In last one year, since its ratification by the Academic Council, various awareness workshops have been held to make faculty and students aware about the policy. Now, significant number of faculty have applied for NOC for registering their startups. In view, it is now the approval of the Board of Management is required so that the policy can be implemented in right spirit. The policy is placed in **Annexure at pages 87 to 117**.

**vi. Revision of Fee for Issue/ Attestation/ Verification of various types of certificates.**

A committee was constituted vide Office Order No. F.6(102)/Exam Cell/Revision of Fee/2024/8446, dated 18.04.2024 of the following officers for revision of fees for various certificates / duplicate mark sheets/transcripts and other fee like M.Tech & Ph.D. thesis submission:

1. Prof. Raju Sarkar, Associate Dean (PG) - Chairperson
2. Prof. Priya Mahajan, Associate Dean (UG) - Member
3. Prof. M. Rizwan, Prof. (Electrical Engg. Deptt) - Member
4. Sh. Madhukar Ch., OSD (Exam) - Member Secretary

The meeting of the committee was held on 23.04.2024. The committee collected various documents with regard to the subject matter. In addition, the committee also collected list of certificates / documents being issued by University for which no fees are prescribed till date. The committee members also collected the documents related to the subject matter from other Universities like Delhi University, IP University and IIT, Delhi and gone through the fees charges for various certificates and other documents in these Universities.

Since, then, the expenses borne by the University for preparing & printing certificates have enhanced to a great extent. Moreover, the Annual Fees structure for students is revised in each Academic Year, while fee for various certificates / duplicate mark sheets/transcripts and others certificates other fee like M.Tech & Ph.D. Thesis submission have not been revised.



In view of facts stated above and after due deliberation on the issue, the committee unanimously recommended that the fee structure for the various certificates /duplicate mark sheets/transcripts and other fee like M.Tech & Ph.D. thesis submission may be revised as follows:-

A. For Issue/Attestation of various types of certificates:

S.No.	Document	Existing Fee (in Rs.)	Revised Fee (in Rs.)
1.	Bonofide Certificate	200/-	200/-
2	Character Certificate	200/-	500/-
3	Certificate of medium of instruction	500/-	1000/-
4	Passing Certificate/No backlog Certificate	200/-	500/-
5	Provisional Certificate	No Fees	500/-
6	Migration Certificate	200/-	500/-
7	Fee Structure Certificate	No Fees	No Fees
8.	CPI (SPI Conversion Certificate upto batches admitted in 2014)	500/-	1000/-
9.	Duplicate Identity Card	200/-	500/-
10.	Correction / Change of Name/Father's name/ Date of Birth etc.	500/-	1000/-
11.	Re-registration for pending courses	5500/- per course (5000 Course fee + 500 exam fees)	7500/- per course within the span period (7000 Course fee + 500 exam fees) Beyond span period* 10500/- per course (10000 Course fee + 500 exam fees)
12.	Rank Certificate	500/-	1000/-
13.	M.Tech Thesis Submission	2000/-	3000/-
14	Ph.D. Thesis Submission	3000/-	5000/-
15.	Ph.D. Thesis Submission Certificate	500/-	1000/-



16.	Attestation/ counter signing of Application Forms for Employer/Institute	No Fees	No Fees
17.	Special Certificate (any other certificate not covered in above list)	500/-	1000/-

**B. For issuing of Duplicate Certificates & Verification of Certificates.**

S.No.	Document	Existing Fee		
		Duration from year of passing	Fee in Indian Rupee	Fee in USD
1	Duplicate Mark sheet	Upto 6 years	500/-	\$50
		More Than 6 years	1000/-	\$100
2.	Duplicate Degree/ Consolidated Mark sheet	Upto 6 years	500/-	\$50
		More Than 6 years	1000/-	\$100
3.	Transcript	Upto 6 years	1000/-	\$100
		More than 6 years	1500/-	\$150
		Additional copies	100/- each	\$10
4	Verification of Mark sheet / Degree/Certificate/Document	Indian Govt. Employer/Institute	No Fee	No Fee
		Indian Private Employer/Institute	500/-	
		Abroad Employer / Institute	500/-	

**Revised**

S.No.	Document	Revised Fee		
		Duration from year of passing	Fee in Indian Rupee	Fee in USD
1	Duplicate Mark sheet	Within 5 years	2500/-	\$250
		More than 5 years but less than 10 years	4000/-	\$400
		More than 10 years	10000/-	\$1000
2.	Duplicate Degree/ Consolidated Mark sheet	Within 5 years	2500/-	\$250
		More than 5 years less than 10 years	4000/-	\$400
		More than 10 years	10000/-	\$1000
3.	Transcript	Within 5 years	1500/-	\$150
		More than 5 years less than 10 years	2500/-	\$250
		More than 10 years	5000/-	\$500
		Additional copies	200/- each	\$20

*dm*

				each
4	Verification of Mark sheet / Degree/Certificate/Document	Govt. Indian/State Employer/Institute	No Fee	No Fee
		Private Employer/Institute	Indian	1000/-
			Abroad	
			\$100	

Accordingly, the Competent Authority has revised the fee structure as above.

**vii. Probation Clearance/Closing in respect of Dr. Aditya Kaushik, Assistant Professor.**

The Competent Authority has approved the Probation Clearance/Closing in respect of Dr. Aditya Kaushik, Assistant Professor, Department of Applied Mathematics vide office order no. F.1/2-790/2019/Estt./DTU/2925 dated 11.03.2024.

**Decision :** The Board of Management considered and ratified the actions taken in agenda 51.37 by the University. However, the Board decided to review the monthly emoluments payable to contractual employees of the University in line with directions of Finance Department of Government of NCT of Delhi.

**Agenda 51.38 : Matter for Information:**

**i. Relieving of non-teaching staff of the University.**

It was informed to the Board of Management that following faculty have been relieved from the University as per the details given below:

S.No.	Name & Designation	Date of relieving	Remarks
1.	Ms. Meena, Sr. Office Asstt. (on deputation)	01.04.2024	Repatriated to parent deptt. on completion of deputation period.
2.	Mrs. Preeti, Sr. Office Asstt. (on deputation)	19.03.2024	Repatriated to parent deptt. on completion of deputation period.
3.	Sh. Lokesh, Electrician	01.04.2024	Resigned & Relieved to join new assignment

**ii. Joining of teaching staff of the University.**

It was informed to the Board that Dr. Harikesh, Assistant Professor, ECE has joined the University on 15.03.2024 after completion of SERB International Research Experience at University of Westminster Board (161 days) vide order dated 13.05.2024.

Ms. Trasha Gupta, Assistant Professor, Applied Maths has joined the University on 28.05.2024 after study leave w.e.f. 03.01.2024 to 27.05.2024.

**iii. Demise of Non-Teaching Staff while in service.**

It was informed to the Board of Management that a non-teaching staff, Sh. Budhi Ram Naudiyal, Gest. Operator has expired on 01.01.2024 while in service.

**The Board of Management noted the above information.**



**Agenda 51.39 : Any other item with the permission of the Chair.**

Following 02 supplementary agenda were also discussed.

**Suppl. Agenda 51.40 : Revised Fee Structure for AY 2024-25.**

The Board was apprised that the fee structure for all UG/PG programs for the A.Y. 2024-25 was notified on 09.04.2024. Further, fee structure of 02 more programs i.e 'Integrated M.Sc' & 'M.Tech by Research' were included after approval of the Competent Authority. Therefore, the fee structure has been revised vide notification no. F.No. DTU/ Reg/ Univ.Adm.Com./ 2023-24/ 1689 dated 03.07.2024, accordingly. The revised fee structure for A.Y. 2024-25 is placed in **Annexure at pages 118 to 132.**

**The Board of Management approved the Fee Structure for the AY 2024-25 as notified vide notification no. F.No. DTU/ Reg/ Univ.Adm.Com./ 2023-24/ 1689 dated 03.07.2024.**

**Agenda 51.41 : Ex-Post Facto approval for starting M.Des with specialization in 'Transportation and Service Design' and 'Lifestyle and accessory design' from the year 2022-23 onwards.**

It was submitted that the Board of Management in its 37<sup>th</sup> meeting held on 29.05.2020 vide agenda item no. 37.11 approved the initiation of Master of Design (Interaction Design) program from August 2020 onwards and the remaining two courses from the academic year 2021-22 with intake of 15 for each specialization. The details are:

1. Interaction Design (from AY 2020)
2. Visual Communication (from AY 2021)
3. Product Design (from AY 2021)

**Intake:** 15 for each specialization

**Criteria for admission:**

Graduate in a Professional Degree (i.e. 4 year Professional course) eg. B.E, B.Tech, B.Arch, B.Des, BFA etc.

**Selection Criteria:**

Common Entrance Examination for Design (CEED) Qualified Candidate with a valid CEED scorecard will apply for the program and then shortlisted. The Department of Design will conduct its own Design Aptitude Test along with an interview round. The syllabus for Design Aptitude Test will be as per the specialization of the M.Des Course.

Further, the Academic Council in its 33<sup>rd</sup> Meeting vide agenda item no. 33.11 and 33.12 approved the curriculum and scheme of examination of M.Des with Specialization 'Transportation and Service Design' and 'Lifestyle and accessory design' from the year 2022-23 onwards. However, the same was not placed before the Board of Management, DTU.

The details of the two specialization are:

1. Transportation and Service Design (from AY 2022)
2. Lifestyle and accessory design (from AY 2022)

**Intake:** 15 for each specialization

**Criteria for admission:**

Graduate in a Professional Degree (i.e. 4-Year Professional Course) eg. B.E, B.Tech, B.Arch, B.Des, BFA etc.

**Selection Criteria:**

Common Entrance Examination for Design (CEED) Qualified Candidate with a valid CEED scorecard will apply for the program and then shortlisted. The Department of Design will conduct its own Design Aptitude Test along with an interview round. The syllabus for Design Aptitude Test will be as per the specialization of the M.Des Course.

**Decision :** The Board of Management considered and accorded ex-post-facto approval for introducing of Specialization in 'Transportation and Service Design' and 'Lifestyle and Accessory Design' in M.Des program from the year 2022-23 onwards.

The meeting ended with a vote of thanks to the members.

The minutes are issued with the approval of the Vice Chancellor for circulation to the Hon'ble members, who are requested to give their comments, if any, on these circulated minutes.

  
(Prof. Madhusudan Singh)  
Registrar

# ANNEXURE

## of Minutes

51<sup>st</sup> meeting

Board of Management  
DTU

held on  
05.07.2024

Shahbad Daulatpur, Bawana Road, Delhi-110042



**Proposal**  
for  
Creation of a New  
Interdisciplinary Department  
of  
*'Geospatial Sciences and Technologies'*

**Delhi Technological University  
(Formerly Delhi College of Engineering)  
Govt of NCT, Delhi, Bawana Road, Delhi - 110042**



## CONTENTS

SN	Item/Subject	Page Numbers	
		From	To
1.0	Introduction	5	6
2.0	Emerging Global and Indian Geospatial Trends	6	10
3.0	A Review of Current Indian Geospatial Environment	10	11
4.0	Achievements and Contributions of MCG	11	12
5.0	Objective	12	12
6.0	The Proposal	12	13
	6.1 Department of Geospatial Science and Technologies (GST)	11	12
	6.2 Centers of Excellence	13	13
7.0	Vision, Mission and Functions	13	14
8.0	Proposed Partnerships and Collaborations	14	14
9.0	Proposed Focus in Geospatial Sciences and Geospatial Technologies	14	15
10	Proposed Interdisciplinary Academic Programs	15	16
11	Proposal for Operations and Conduct (Initial/Short term)	16	17
12	Proposed Five Year Plan of Action	17	17
13	Budget Estimates	18	19
	13.1 Assessment of Annual Budgetary/Funds Requirements	18	18
	13.2 Budget Required for First Five years	18	19
14	Proposed Advisory Panel of Experts	19	19
14	Brainstorming Workshop	19	19
15	Annexures /References	19	19

# **PROPOSAL FOR CREATION OF A NEW INTERDISCIPLINARY DEPARTMENT OF 'GEOSPATIAL SCIENCES AND TECHNOLOGIES'**

## **1.0 Introduction**

The mankind, in its endeavor to make his life better and more comfortable, has always been hungry to exploit the resources of the earth. This desire has increasingly been complicated by the increasing population, depleting resources and the adverse climatic effect of anthropogenic activities. As per UN (United Nations) estimates, the world population is projected to reach 850 Crore by 2030, 970 Crore by 2050 and 1040 Crore by 2100. To meet the challenges posed by increasing population, depleting resources and the adverse climatic effect, UN has been tirelessly making efforts which include implementation of sustainable practices, reducing carbon footprints and so on. Geospatial Sciences and Technologies (GST) are an umbrella of Sciences and Technologies which have evolved in recent past that have aided optimized exploitation of earth's resources, aided our understanding of various earth systems- phenomena and process, aided disaster prediction- management and mitigation and have expanded the human's endeavor in exploring planets beyond earth. GST is a interdisciplinary domain that includes a large number of Science and technology subjects. For example, Geospatial Sciences include geographical sciences, geodesy, geology, environmental, geophysics, physics (optics, electromagnetics etc), mathematics (including statistics and probability) etc while Geospatial Technologies include Computer/IT (image processing, data analytics), Electronics (robotic hardware and sensor design for data capture etc), Surveying, navigation, agriculture, ecology, forestry etc.

United Nations Global Geospatial Information Management (UN-GGIM), a global initiative, is an Inter-Governmental Mechanism spearheaded by the United Nations to guide the making of joint decisions and set directions on the production and use of geospatial information within national and global policy frameworks. India being a UN member is actively involved in implementing UNGGIM guidelines. This is being coordinated by Department of Science and Technology (DST) for India. The 2<sup>nd</sup> United Nations World Geospatial Information Congress (UNWGIC) was also held in India (Hyderabad) in Oct 2022.

India today envisions becoming a developed nation by 2047. The country aspires to be a five trillion economy by 2030 and to be amongst the top 3 economies of the world. The country is witnessing certain socioeconomic, political, academic and technological changes at a speed and scale never witnessed before. NEP 2020, Make in India program, Digital India and a host of other programs have set the agenda which will catapult India into an advanced nation. During the 2<sup>nd</sup> UNWGIC, Govt of India informed that the Indian Geospatial economy is growing at a CAGR of 12.8 % per annum and will hit a target of Rs 63000 Cr by 2025 and will be one of the mainstay in the Indian dream to become 5 trillion economy by 2030.

In fulfillment of its commitment towards UNGGIM, the Govt of India has announced the New Space Policy, the Geospatial policy, the new Drone rules etc. Many other policies related to Geospatial information management are also in the pipeline.

Technologically too, India has touched the Lunar surface where no country ever dared to, and Aditya L-1 mission has set the scientific temperament for the nation.

NEP 2020 proposes in all HEIs an interlinked continuum ecosystem that includes science, technology and enterprise development (startups). Many institutions have already started implementing the interdisciplinary courses in their departments. A few Centers of space sciences and courses in Geospatial Sciences and Technologies have been announced in 2024. Keeping in line with its rich traditions,

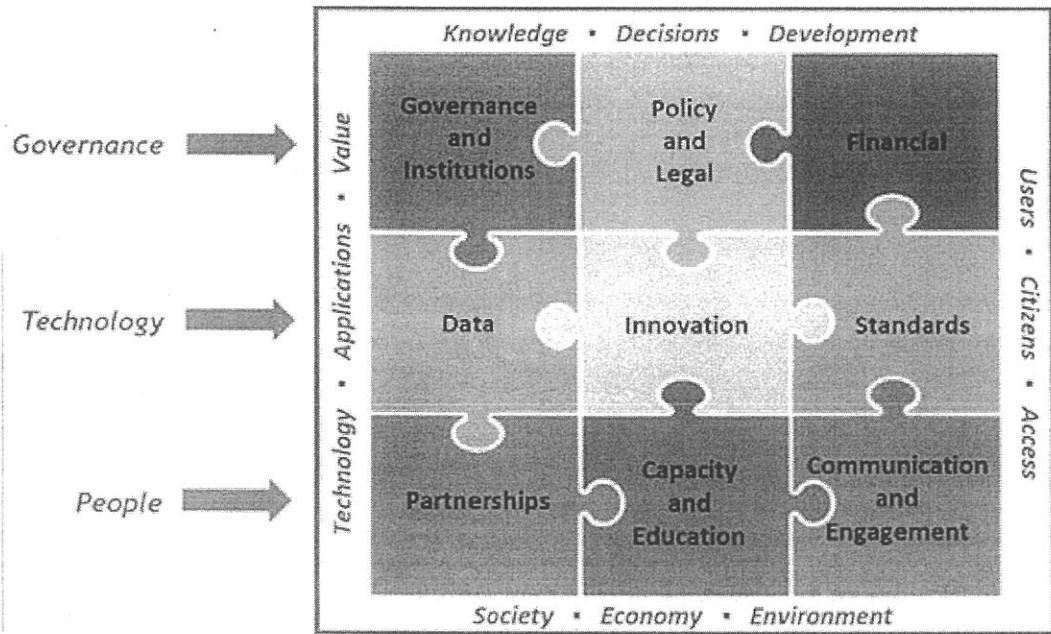
Delhi Technological University (DTU) with its 82 years legacy has always been at the forefront of setting the academic agenda in the country to emulate. ***DTU has now decided to launch a School of Interdisciplinary Studies and Research to focus on emerging interdisciplinary academic and technological landscape. In line with the DTU's vision to expand interdisciplinary academics and research, a proposal for creation of a Interdisciplinary Department of Geospatial Sciences and Technologies under this School is being submitted.***

## **2.0 Emerging Global and Indian Geospatial Trends**

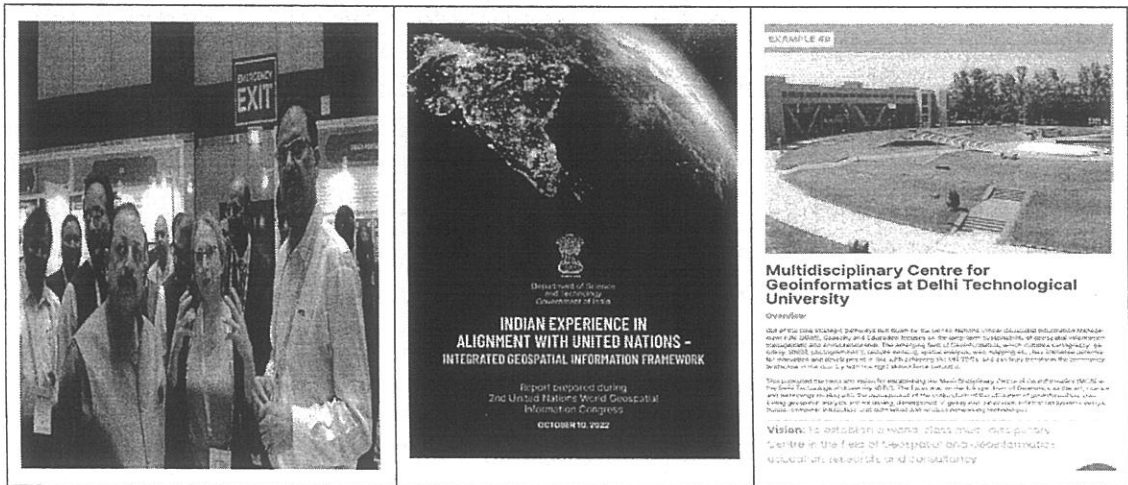
There is a continuous churning in the existing world order and new alignments are forcing a new world order. India as a largest democracy and an emerging third largest economy in the world has a role to play in the new world order. *Globally, academics and research has always played a role in the emerging world order.*

Following are some of the emerging global trends with specific reference to use of geospatial information globally as well as in India -

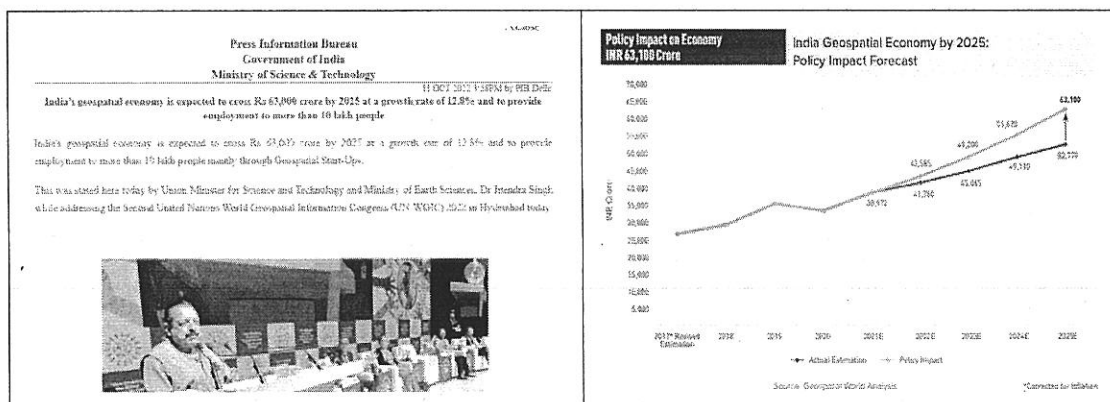
- (a) UNGGIM is a Committee of Experts on Global Geospatial Information Management created under ECOSOC of UN. UN-GGIM aims to address global challenges regarding the use of geospatial information including global policymaking. UNGGIM has proposed an Integrated Geospatial Information Framework (IGIF) which provides a basis and guide for developing, integrating, strengthening and maximizing geospatial information management and related resources. IGIF as shown below is anchored by three pillars and nine strategic pathways, and provides a framework for articulating and demonstrating national geospatial leadership to holistically address all issues related management of a country's dynamic Geospatial economic, social and environmental needs. *India being a UN member is bound to implement the IGIF Framework in the country. This is being coordinated by Department of Science and Technology (DST) for India.*



The first World Geospatial Information Congress (known as UNWGIC) Congress held in China in 2018. Immediately, thereafter the 2<sup>nd</sup> World Geospatial Information Congress was held in India (Hyderabad) in Oct 2022. The Multidisciplinary Centre for Geoinformatics (MCG), Delhi technological University also participated in the Congress and was featured in the DST publication titled, 'Indian Experience in Alignment with United Nations – Integrated Geospatial Information Framework'.



(b) The press information released during the UNWGIC suggests that the Indian Geospatial economy will hit a target of Rs 630000 Cr by 2025 at a CAGR of 12.8 % per annum and will be one of the mainstay in the Indian dream to become 5 trillion economy by 2030.



(c) Govt in fulfillment of UNGGIM and IGIF requirements shall be promulgating a series of policies to promote Indian Geospatial Ecosystem, some of these have already been promulgated and are mentioned below –

(i) **New Indian Space Policy 2023** – The policy seeks to institutionalize private sector participation in the space sector, with ISRO focusing on research and development of advanced space technologies. *The result was immediate. On 30 May 2024, an IIT Madras startup Agnikul launched successfully into the space a semi-cryogenic two-stage rocket named Agnibaan with a carrying capacity of up to 300 kg to a height of 700 km.*

(ii) **Drone (Amendment) Rules, 2023** – These rules aim to simplify the usage of drones for commercial purposes. MoD (DGDE) has also developed standards for Survey using Drone. MCG, DTU was also represented in the Committee for development of standards.

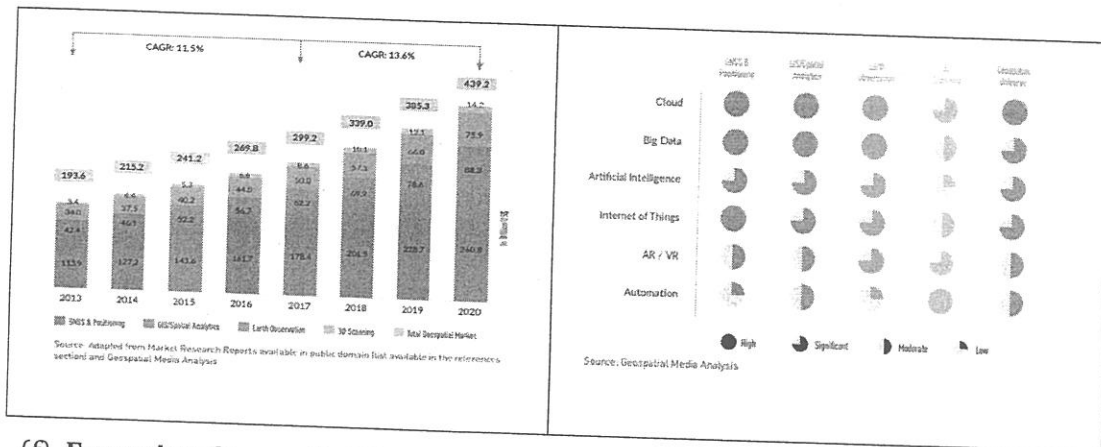
(iii) **Indian Geospatial Policy 2022** – The policy has substantially expanded the access and usage of spatial data, improving citizens services rapidly and increasing it's reach to the remotest corners of the country.

(iv) **Foreign Investment**– Govt of India opened the space sector for investment and collaborations.

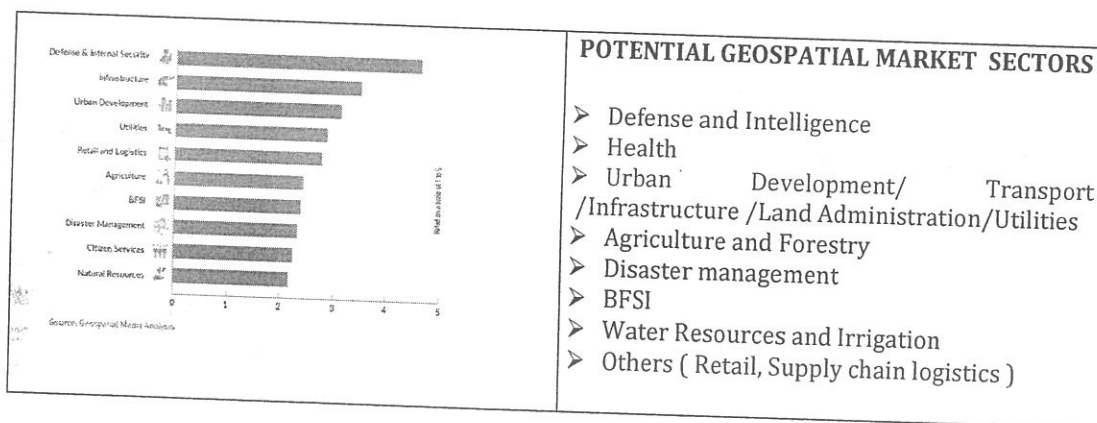
(d) **Attainment of Sustainable Goals (SDGs)** – United nations has laid down an united policy to manage and transform the social, economic and environmental dimensions of humanity and planet. This blueprint to guide issued aims to transform the World by 2030. It includes 17 goals, 169 targets, and 231 indicators. NITI Aayog, with the Prime Minister as its chairperson, is leading implementation agency. *All the 17 goals have an element of Geospatial information at the core of its implementation across the globe.*

(e) **Emerging Geospatial Technological Trends** – An assessment by Geospatial world indicates that the leading geospatial technologies are GNSS and positioning, GIS/Geospatial data analytics, Earth observation and 3D Scanning. These are driven by computing technology drivers, cloud computing, Big Data/Geospatial data analytics, AI, IoT, AR/VR and Automation





(f) **Emerging Geospatial Sectors** – Following image shows the emerging geospatial sectors as predicted by Geospatial World -

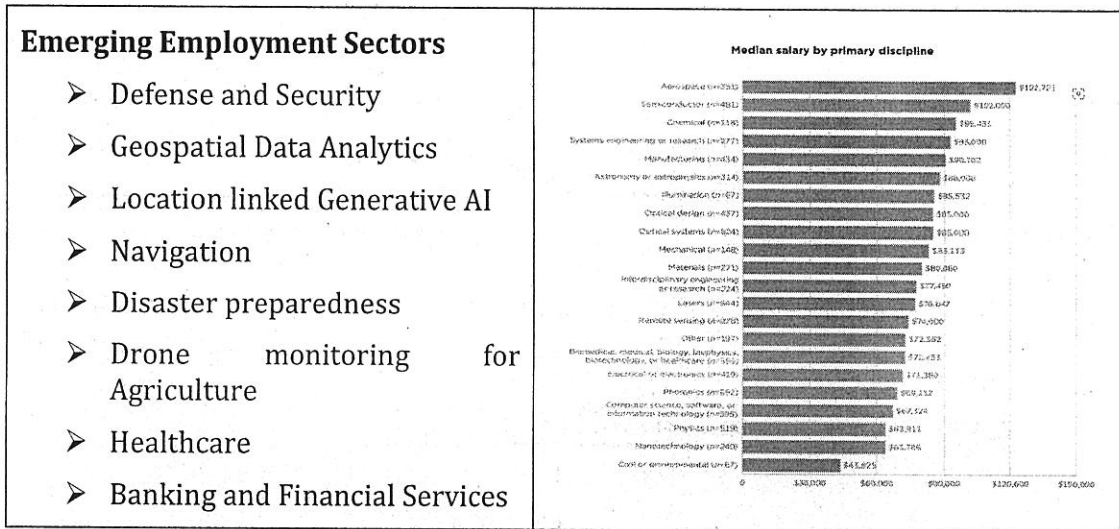


(g) **Emerging Indian Geospatial Ecosystem** – Following image shows the emerging geospatial Ecosystem –

Civil Geospatial Agencies	Defense and Security Geospatial Agencies
<ul style="list-style-type: none"> <li>➤ National Atlas and Thematic Mapping Organization (NATMO)</li> <li>➤ Survey of India (SOI)</li> <li>➤ NGP/NRDMS and NSDI division</li> <li>➤ Department of Space</li> <li>➤ National Remote Sensing Centre (NRSC)</li> <li>➤ ISRO Satellite Centre (ISAC)</li> <li>➤ Space Applications Centre (SAC)</li> <li>➤ National Hydrographic Office (NHO)</li> <li>➤ National Centre of Geoinformatics (NCGI)</li> <li>➤ Geological Survey of India (GSI)</li> <li>➤ Forest Survey of India</li> </ul>	<ul style="list-style-type: none"> <li>➤ Military Survey</li> <li>➤ Defence Image Processing and Analysis Centre (DIPAC)</li> <li>➤ Directorate of Signal Intelligence (DSI)</li> <li>➤ Directorate of Air Intelligence (DAI)</li> <li>➤ Defence Intelligence Agency (DIA)</li> <li>➤ Directorate of Naval Intelligence (DNI)</li> <li>➤ Aviation Research Centre (ARC- RAW)</li> <li>➤ National Technical Research Organization (NTRO)</li> <li>➤ Intelligence Bureau (IB)</li> <li>➤ Defence Geoinformatics Research Establishment (DTRL- DGRE)</li> <li>➤ Centre for Artificial Intelligence and Robotics (CAIR- DRDO)</li> </ul>
<p><b>National Remote Sensing Centre</b></p> <ul style="list-style-type: none"> <li>➤ Regional Remote Sensing Centre (5)</li> </ul>	<p><b>National Spatial Data Infrastructure (NSDI)</b></p>

regions): Karnataka (South), Rajasthan (West), West Bengal (East), Delhi (North), and Maharashtra.	➤ Under National Resource Data Management System (NRDMS) & NSDI division at Department of Science & Technology (DST)
➤ State Remote Sensing Centre	➤ State Spatial Data Infrastructure (SSDI) - (6 states +1 UT)
➤ Arunachal Pradesh, Assam, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Sikkim, Tamil Nadu, Telangana	➤ Bihar, Karnataka, Madhya Pradesh, Odisha, Uttarakhand, Haryana (semi-functional), and Delhi
	➤ Under development (2 states): West Bengal, Jammu & Kashmir
	➤ Proposed (3 states): Mizoram, Nagaland and Tamil Nadu

(f) **Emerging Global Geospatial Placement and Employment Trends** – Following image shows the emerging geospatial placement and Employment trends as per SPIE Survey 2022, according to which Remote Sensing employment stands at 7<sup>th</sup> place with a median salary of \$ 74000 per annum -



### 3.0 A Review of Current Indian Geospatial Environment

(a) **DSTs Vision for Geospatial Science and Technologies** – The Ministry of Science and Technologies in India envisions to transform Geospatial sector through capacity building in Geospatial Science, Geospatial Technology and Geospatial Enterprise -



Besides, DST in its meeting held on 19 Feb 24 for development of geospatial Ecosystem has proposed inclusion of Geospatial/Geoinformatics in the list of emerging subjects to AICTE so that the new institutes can be opened in this field.

(b) **Implementation of NEP 2020 and Focus on Multidisciplinary/ Interdisciplinary Education** – One of the objectives of the NEP 2020 is to transform the Indian Academic Institutions into multidisciplinary/ Interdisciplinary learning institutions with an overall aim of developing all facets of the students.



Many IITs and Universities have already implemented the same. Some of these are listed below -

SN	Institute	Department	MSc Programs	M.Tech Programs
1	IIT Bombay	Civil Engineering	Applied Geology	Geoinformatics and Natural Resources Engineering
2	IIT Roorkee	Earth Sciences	Applied Geology	Remote Sensing and GIS
3	IIT Kharagpur	Civil Engineering	Applied Geology	Remote Sensing and GIS
4	IIT Kanpur	Earth Sciences	Earth Sciences	Geoinformatics
5	IIRS Dehradun	Geoinformatics	Geoinformatics	Remote Sensing and GIS
6	Anna University	Remote Sensing	Applied Geology	Remote Sensing
7	IIST Thiruvananthapuram	Earth and Space Science	Earth System Science	Earth Systems
8	BIT, Mesra	Earth Sciences	Applied Geology	Earth Science and Technology
9	Andhra University	Geology	Applied Geology	Geoinformatics
10	IIT Bhubaneswar	Civil Engineering	Environmental Engineering and Management	Water Resources Engineering and Management

(c) **Geospatial/Space Centers/ Courses added in 2024** – It is reported that IIT Roorkee established a Centre for Space Sciences in 2024 and IIT Hyderabad launched a dual degree (B.Tech Computer Science and MS Geospatial Technology) program in 2024.

#### 4.0 Achievements and Contributions of MCG

A “**Multidisciplinary Centre for Geoinformatics (MCG)**” was established in DTU on 05 Mar 2019 under the provisions DTU Act provision under 7(13). The achievements and contributions of the Centre have been as under –

(a) 06 Ph.D students and three batches of M.Tech. All passed out students either placed in industries or are pursuing higher studies. Regular Books/Book Chapters and SCI/Scopus publication.

(b) Developed a Combat Simulator for NSG and development of Underwater Crawler Tractor in progress. 01 iDex award and 01 Startup nurtured at the Centre

(c) 06 Projects completed/In progress with ISRO/DST/NHMS/IIT Kanpur.

(d) MOUs with NTRO, IIT Bombay FOSSE Team for GIS Activities, and Other Govt and Private Industries.

(e) Conducted three DST sponsored short term (21 days) level-1, level-2 and level-3 programs. Besides during Covid conducted an online internship program attended by

around 15 students from throughout the country. In addition, two one day International workshops also have been conducted

(f) The Centre was part of the organizing team of 2<sup>nd</sup> UNWGIC in Oct 2022. Activities of the Centre were reported in DST publication, "Indian experience in alignment with United Nations-Interpreted Geospatial Information Framework" published during 2<sup>nd</sup> UNWGIC.

(g) The Centre got the approval of AICTE Board of PG studies for inclusion of Geospatial subject in GATE wef 2022 and NET Exam. It was implemented in GATE wef 2022 and is likely to be implemented in NET Exam by the end of this year.

## 5.0 Objective

The Centre has been running successfully since 2019 and has been contributing to the field of Geospatial Sciences and Technologies which has been acknowledged by DST as well. The Centre now aspires to expand its activities to include running UG programs in addition to existing PG and PhD programs in both Geospatial Sciences and Geospatial Technologies. Creation of a Department by upgrading the existing Centre will help in expanding the activities of the Centre and creation of vacancies suitable for the Department. Besides, creation of the Department will also enable it to explore possibilities of creating Centres of Excellence in niche areas of GST such as Geointelligence, Navigation (with a focus on NaviC) etc

## 6.0 The Proposal

In view of the foregoing, it is proposed to create/upgrade a new **Interdisciplinary Department of Geospatial Sciences and Technologies'** and merge the existing Multidisciplinary Center for Geoinformatics (MCG) in it.

### 6.1 Department of Geospatial Science and Technologies (GST)

Geospatial Sciences and Technologies with its allied fields such as Geoinformatics, Cartography, Geodesy, GNSS, Photogrammetry, Remote Sensing, GIS etc facilitate our understanding of earth and space. In particular the spatial Sciences with location information add a new perspective to our understanding of various earth and space processes/phenomena.

The vision of DST is to evolve both the Science and the Technology associated with Geospatial. Geospatial Science deals with the fundamental investigation in various allied fields of the Geospatial subjects. These include the physics of remote sensing, cognition of the 3D views, geodetic changes, investigations into Sun and Moon using Chandrayan and Aditya L-1 data. IIT Kanpur has already setup a Center for Geodesy to promote scientific investigations in this field.

With ISRO emerging as a global leader in development of satellites and satellite launching vehicles, India is fast emerging as a global leader in the field of earth and space sciences. Geospatial Technologies advance the investigations made by science particularly in sensor development, navigation and various other allied fields.

Many Institutes and Universities of eminence have already invested in the field of geospatial science and technologies. Most of the IITs have a departments/Centers in the field of Geospatial Sciences and/or Technologies. IIT Bombay has established a Centre of Studies in Resource Engineering (CSRE), IIT Roorkee has a Department of Earth Science, Geomatics group, and now also added a Centre for Space research, and IIT Kanpur has added a Centre for Geodesy

## 6.2 Centers of Excellence

Many sectors such as defence and security, disaster management, urban planning, land use management, navigation systems, agriculture, meteorology, climate change, oceanography etc stand to gain from the study of Geospatial Sciences and Technologies.

A large number of organizations such as Department of Science and Technology (DST), Indian Space research organization (ISRO), Ministry of Environment, Forest and Climate Change of India (MoEF) etc are funding research in these fields.

It is proposed to create Centers of Excellence in various emerging fields as per DTU guidelines depending upon external funding.

## 7.0 Vision and Mission

### Vision

*"To be a leading Interdisciplinary Nodal Centre in the Field of 'Geospatial Sciences and Technologies' through diverse interdisciplinary academic programs, innovation, research, consultancy, enterprise development and policy research.*

### Mission

1. *To establish Centers of Excellence in the emerging fields of Geospatial Sciences, Geospatial Technologies, Earth and Space Sciences.*
2. *To foster an ecosystem for geospatial technology incubators, startups, entrepreneurs and enterprise development through collaboration and partnership with Govt Departments (NRSC, DST, SOI etc), Industry (ESRI, Pixxel, Google etc), space agencies (ISRO), and institutions of eminences (IITs/IIST/IIRS) etc.*
3. *To create human potential, capacity building and skill development in Geospatial Sciences and Geospatial Technologies through various interdisciplinary UG, PG (Post Doc, PhD, Masters) and industry oriented programs.*
4. *To evolve an aspirational environment that seeks global challenges through international institutions, provides solutions and renders advice to policy makers through research on Geospatial policies and national-international legal issues.*

## Functions

- (a) **Research and consultancy**
  - (i) The Department will compete for various research projects from International/National Funding Institutions.
  - (ii) The Department will seek and provide consultancy from International/National Govt and private organization
  - (iii) Policy related research and advice
- (b) **Interdisciplinary Academic Programs – UG, PG (Post Doc, PhD, Masters) and industry oriented programs**
- (c) **Training and Capacity building –**
  - (i) Govt/DST/AICTE/NDMA/Industry sponsored Short term courses.
  - (ii) DTU sponsored FDPs/Short term courses/Internships
- (d) **Partnerships and Collaborations**
- (e) **Enterprise and Startup Development**

## 8.0 Proposed Partnerships and Collaborations

The potential Department/Organisations institutes for partnerships and collaborations are-

- (a) *Defence and Security Agencies*, NTRO, IB, DRDO (DGRE) NSG, BSF, CRPF, PMF and other Central and State Police security agencies.
- (b) International/National *Institutes of Excellence* such as ITC Netherlands, USC California, AIT Thailand, BISAG, CSRE, IIRS, IIST etc
- (c) NDMA, SDMA and other *disaster management agencies* in Govt and Private.
- (d) International and National *space agencies* such as ESA, JAXA, ISRO etc
- (c) *Govt Research/other Funding Agencies* such as DST, MoEF, MoES, ISRO etc etc
- (d) *Prominent Industries* such as Google, ESRI, ENVI, ArcGIS, Roltas etc.
- (e) Any other appropriate organization engaged in Geospatial Sciences and Geospatial Technologies, and various allied fields.

## 9.0 Proposed Areas of Focus in Geospatial Sciences and Geospatial Technologies

Following table shows some of the focus areas of geospatial Sciences and Technologies -

SN	Geospatial Sciences	Geospatial Technologies	Application Areas
1	Earth Sciences, Ecology and Biodiversity	Remote Sensing Technologies (Optical – Multi/Hyperspectral/Thermal)	Defence, security and Geo-intelligence

2	Space Sciences (Chandrayan, Aditya L-1, Moon Missions)	Radar/SAR/Microwave Remote Sensing Technologies	Geo-health and health GIS
3	Geodesy, and navigational Sciences	Drone and Lidar and Advanced Surveying, Photogrammetry	Disaster management, landslides, Snow, avalanche and GLOF
4	Glaciology, Geology and Geophysics	Satellite launch and space exploration Technologies, Sensor Technologies	Monitoring of environmental pollution (water, air, and others)
5	Atmosphere, climate and Meteorological Sciences	GNSS, GPS, NaviC and other mobile based global positioning Technologies	Climate and weather
6	Agricultural Sciences	Advanced Image Analytics,	Agricultural, Forest, vegetation and ecology
7	Physics, Mathematics and Information sciences	Advanced Geo-data analytics, GIS, Web GIS and Web Mapping	GIS in Business

## 10.0 Proposed Interdisciplinary Academic Programs

Various academic programs proposed in the Department areas under -

SN	Geospatial Sciences	Intake	Geospatial Technologies	Intake	Remarks
1	Ph.D in any of the Geospatial Science subjects	2/per semester (4 per year)	Ph.D in any of the Geospatial Technology subjects	4/per semester (4 per year)	Any qualified faculty from any of the Science/ technology/ Business/ Humanities Department on approval from DRC
2	(i) <i>M.Sc in Geospatial Science- 2 years (NEP based)</i>	30	(i) <i>M.Tech in Geoinformatics - 2 years (NEP based)</i>	25	-
	(ii) <i>MS by Research in Geospatial Science</i>	12	(ii) <i>M.Tech by Research in Geospatial Technologies</i>	10	-
3	<i>Integrated M.Sc in Geospatial Science- 5 years( NEP based)</i>	30	(i) Dual degree (M.Tech + B.Tech) program with CSE/IT/Software/ MCM and Geoinformatics/Geo	60	-

			data Analytics		
4	Minor in GIS		Minor in Geoinformatics		
	Total	72		98	
	Total strength per year - Approx 170				

## 11.0 Proposal for Operations and Conduct (Initial/Short-term)

The salient operational aspects of the Department shall be as under -

- (a) **Proposed Plan to meet the requirement of faculty** - The initial requirement of faculty and budget is proposed to be met as under -

SN	Type of Faculty	Budget Estimates per month
(i)	<i>Interested and willing faculty from different departments of DTU with certain background in allied subjects will be associated with the Centre</i>	No additional budget
(ii)	<i>Professor of Practice from ISRO/NRSC/Defence (1-2 Nos)</i>	2 @ Rs 1.5 lac pm (approx assuming retired Govt personnel)
(iii)	<i>Post Doc with Ph.D (Geoinformatics) (02 Nos)</i>	2 @ Rs 80,000/- pm

- (b) **Infrastructure (Lab, Office, store etc.), Equipment and Software** - Details of Existing Infrastructure/Lab/Equipment are as under -

(i) **Infrastructure** - Initially the Department will be run using the existing Infrastructure already available with the Multidisciplinary Centre for Geoinformatics. Subsequently, additional space may be catered as and when required/available.

(ii) **Infrastructure from other Departments** - Being a Interdisciplinary Department, the academic programs instituted may be permitted to use the lab infrastructure available with other Departments and Centers of DTU

- (c) **Faculty Mix Required and Currently Available**

SN	Department/ Discipline	Required	Available and Willing in DTU	Others Available in Delhi
<b>Geospatial Technology</b>				
(i)	CSE/IT/Software	Professor 01,	(i) Prof Vishwakarma (ii) Prof Rahul katarya (iii) Dr Divyasikha Sethi	(i) IIT Delhi , NRSC Delhi, IIT Delhi
(ii)	Electronics	Associate Professor 02,  Assistant Professor - 03	(i) Prof S.Indu (ii) Mr kaustubh Ranjan (PhD towards submission)	(i) Dr Rubeena Vohra - Associate Professor at BVCOE, PhD from DTU
(iii)	Civil	Professor - 03	(i) Prof K C Tiwari (ii) Prof Raju Sarkar	



Geospatial Sciences				
(i)	Mathematics	Professor	-	(i) Dr Dheerendra Kumar
(ii)	Physics	01,		(i) Prof AS Rao (ii) Prof Nitin Puri
(iii)	Humanities /Management	Associate Professor	-	
		01, Assistant Professor - 02		

## 12.0 Proposed Five Year Plan of Action

### (a) 1<sup>st</sup> to 2<sup>nd</sup> Year

(i) Organizing a Brain-storming Session with Govt and Industry stakeholders to spread awareness and to seek inputs and support for the Department

(ii) Proposal and Commencement of dual UG-PG Courses (Integrated M.Sc and Dual B.Tech (CS/IT) + M.Tech (Geospatial) programs. Existing Ph.D and PG programs being run in the Centre to be merged in the Department.

(iii) Recruit 1-2 POP, Post Docs and PhD Fellows through DTU and/or Govt funding.

(iv) Establishment of Centre of Excellence in Geointelligence with support from Industry/Defence. Or industry sponsored labs

(v) The existing Infrastructure already available with the Multidisciplinary Centre for Geoinformatics will be merged with the Department. Requirement of additional Infrastructure such as PCs, Equipment and software will be assessed and procurement commenced.

(vi) Explore research and consultancy funding from Govt and Industry.

(viii) Proposal for creation of vacancies for the Department to be initiated.

### (b) 2<sup>nd</sup> to 5<sup>th</sup> Year

(i) Assess shortcomings in admissions and conduct of UG/PG programs and stabilize the programs.

(ii) Procurement of additional PCs, Equipment and software.

(iii) Explore research and consultancy funding from Govt and Industry

(iv) Explore funding from Govt and Industry for new Centers of Excellence/Industry sponsored labs

(v) Short term programs for the Govt and Industry.

(vi) Recruit Post Docs and PhD Fellows through DTU and/or Govt funding.

(vii) Recruitment of faculty as per creation of vacancies for the Department.



### 13.0 Budget Estimates

#### 13.1 Assessment of Annual Budgetary/Funds Requirements

FUNDS FOR DEPARTMENT (GT - Geospatial Technology and GS- Geospatial Science, T- Total)							
SN	Type	Faculty	GT	GS	T	Funds per year	Remarks
(i)	UG/PG Faculty	Professor	1	1	2	@2L/pm*12*2 = 48 L	Assumed student strength - 98 Faculty @1:15 SFR = 6.5 divided 1:2:6 @ for Professor /Associate/ Asst
		Associate	2	1	3	@1.75 L/pm* 12*3= 63 L	
		Asst Professor	4	2	6	@1.25L/pm* 12*6=90 L	
(ii)	Non-Teaching	Lab Assistant	02	02	04	@0.40L*12*4 = 19.2 L	
		JOA	01	01	02	@0.35L*12* = 4.2 L	
		Peon	02	02	04	@0.25L*12*4 = 12 L	
(iii)	Fellowships	Post Doc Nos)	4 / year	4/ year		@ 0.80Lpm*12*8 = 76.8 L	
		Phd Fellowships per year	4 / sem =8 /yr	4/ sem = 8 /yr		@ 0.5 L pm*12*16 = 96L	
(iv)	Lab and Infrastructure		-	-	-	100 L /yr	
		<b>Total cost = 329 L per annum,</b> <b>Income from Fees (GT) - 1.25 L * 98 = 122.5 L</b> <b>Income from Sciences - 1.00*72 = 72L</b> <b>Total - 194.5 L</b>					

#### 13.2 Budget Required for First Five years

SN	Yr	Budget for Faculty/ POP/ PostDoc/PhD	Lab/Eqpt/ Software	Total	Estimated Income from Fees
(i)	1 <sup>st</sup>	(i) POP- 01*1.5Lpm*12= 18 L (ii) Post Doc - 0.80Lpm*12*4 =38.4 L (iii) PhD-0.5L pm*12*8 = 48 L	50 L	154.4 L	GT- 1.25 L * 18 = 22.5 L GS-1.00*25 = 25L Total - 47.5 L
(ii)	2 <sup>nd</sup>	(i) POP- 02*1.5Lpm*12= 36 L (ii) Post Doc - 0.80Lpm*12*8 =76.8 L	100 L	308.8 L	GT- 1.25 L * 98 = 122.5 L GS-1.00*72 = 72L

		(iii) PhD -0.5 Lpm*12*16=96 L			Total - 194.5 L
(iii)	3rd	(i) Prof- 2L/pm*12*2 = 48 L (ii) Associate Prof -1.75 L/pm*12*3= 63 L (iii) Asst Prof- 1.25L/pm*12*6=90 L (iv) Post Doc - 0.80Lpm*12*8 =76.8 L (v) PhD -0.5 L pm*12*16 =96 L	100 L	473.8 L	-- do- = 194.5 L
(iv)		- Do -	50 L	423.8L	- do- = 194.5 L
(v)		- Do -	50 L	423.8L	- do- = 194.5 L

#### 14.0 Proposed Advisory Panel of Experts

It is proposed to draw/include the following on the advisory panel of experts for the development of multi-disciplinary Centre of Geo-informatics -

- (a) Department of Science and Technology, Delhi
- (b) ISRO, Space Applications Centre, Ahmedabad
- (c) National Remote Sensing Centre, Delhi
- (d) National Disaster Management Agency, Delhi
- (e) DGMI, Army HQ, New Delhi
- (f) MO GSGS, Army HQ, New Delhi
- (g) CAMS, Delhi
- (h) DIPAC Air Force, New Delhi
- (i) Ministry of Earth Sciences, New Delhi
- (j) Ministry of Environment, Forest and Climate Change, New Delhi
- (k) Indian Institute of Technology, Bombay
- (l) Indian Institute of Technology, Roorkee (Centre for Geomatics)
- (m) Indian Institute of Technology, Kanpur (Centre for Geodesy)
- (n) Survey of India, Dehradun
- (o) DGRE Chandigarh
- (p) DGDE New Delhi
- (q) Association of Geospatial Industries
- (r) President Indian Society of Remote Sensing
- (s) Indian Society of Geomatics
- (t) ITC Netherlands
- (u) USC California
- (v) International members from JAXA/ESA/DLR/RIT/ITC

#### 15.0 Brainstorming Workshop

It is proposed to conduct a brainstorming workshop of various stakeholders as soon as possible to fine tune various aspects of tis proposal

#### 16.0 Annexure /References

- (a) DTU Act
- (b) DTU Guidelines for Centers of Excellence

**DELHI TECHNOLOGICAL UNIVERSITY**

**SCHEME OF EXAMINATION**

**for**

**M.Sc. in Geospatial Science  
( 2 year/1 year Program)**

**2024-2026**

# M.Sc. (GEOSPATIAL SCIENCE) :2024-2026

## Introduction

It is proposed to introduce M.Sc (Geospatial Science) at Multidisciplinary Centre for Geo-informatics (MCG) in tune with the NEP 2020. In this connection, the Centre has developed a framework/scheme for instructional structure for M.Sc (Geospatial Science) which can be merged with the proposed Integrated M.Sc program as well.

## Objective

Spatial context is an essential element in investigation and analysis of any phenomenon occurring on the surface of the earth. Thus far, most of the courses have been built around the tools of the investigations/measurements itself such as GIS, Remote Sensing etc. The Department of Science and Technology (DST), Govt of India also deals with Geospatial science and Geospatial Technology separately and has separate Call for Proposals annually in these two areas. In view, it is proposed to

## NEP Provisions Adopted

The salient aspects of the NEP 2020 and the guidelines issued by UGC under National Higher Education Qualifications Framework (NHEQF) have been adopted. A summary of the type of qualification, nomenclature/title of the Degree, entry requirement/eligibility, Level and Credit requirements are summarised below which is recommended by the Committee for adoption -

TYPES OF QUALIFICATIONS AND QUALIFICATION TITLE/NOMENCLATURE			
Type of qualification	Qualification title/nomenclature and programme duration/Entry requirement/Eligibility	Level	Credit Reqmt
Post-Graduate Diploma (One year)	Post-Graduate Diploma in Geospatial Science - Programme duration: One year (two semesters) in the case of those who exit after successful completion of the first year (two semesters) of the 2-year master's degree programme <i>(Ref page 18-19 of NHEQF)</i>	6 (Ref page 20 of NHEQF)	40 (Ref page 32 of NHEQF)
Master's degree (2 years)	Master of Science (M.Sc) in Geospatial Science - Programme duration: Two years (four semesters) for those who have obtained a 3-year/6-semester bachelor's degree, or successfully completed a 4-year bachelor's degree <i>(Ref page 18-19 of NHEQF)</i>	6.5 (Ref page 20 of NHEQF)	80 (Ref page 36 of NHEQF)
Master's degree (one year)	Master of Science (M.Sc) in Geospatial Science - Programme duration: One year (two semesters) in the case of those who have obtained a 4-year/8-semester Bachelor's degree <i>(Ref page 18-19 of NHEQF)</i>	6.5 (Ref page 20 of NHEQF)	40 (Ref page 36 of NHEQF)

In order to develop an appropriate scheme that addresses all the requirements of Post Graduate Diploma, M.Sc (Geospatial Science) – 2 years program and M.Sc(Geospatial Science) – 1 year program, following qualification specifications have been studied as given in NHEQF -

QUALIFICATION SPECIFICATIONS		Ref
Qualification type	Purpose of the qualification	
Post-Graduate Diploma	The Post-Graduate Diploma qualifies students who can apply a body of advanced knowledge and skills in a range of contexts to undertake professional or highly skilled work and/or further	Ref page 43 of NHEQF

	learning.	
Master's degree (1 year/2 semesters of study)	The Master's degree qualifies students who can apply an advanced body of knowledge in a range of contexts for professional practice, research, and scholarship and as a pathway for further learning. Graduates at this level are expected to possess and demonstrate specialized knowledge and skills for research, and/or professional practice and/or for further learning.	-do-
Master's degree (2 years /4 semesters of study)	The Master's degree qualifies students who can apply an advanced body of knowledge in a range of contexts for professional practice, research, and scholarship and as a pathway for further learning. Graduates at this level are expected to possess and demonstrate specialized knowledge and skills for research, and/or professional practice and/or for further learning. Master's degree holders are expected to demonstrate the ability to apply the established principles and theories to a body of knowledge or an area of professional practice.	-do-

The schemes for the above mentioned programs have developed in keeping in mind the qualification specifications and placed opposite. The scheme has been structured as follows –

- (a) Any student admitted to M.Sc in Geospatial Science (2 years program) on completion of first year will be eligible for Post Graduate Diploma in Geospatial Science if he wishes to quit after one year
- (b) Any student admitted to M.Sc in Geospatial Science (2 years program) on completion of two years will be eligible for M.Sc in Geospatial Science (2 years program)
- (c) Any student admitted to M.Sc in Geospatial Science (1 year program) will be able to join directly in the third semester and will be eligible for M.Sc in Geospatial Science (1 year program).

### **Structure of MSC in Geospatial Science( 2 year/1 year program)**

#### **Course Coding**

A course is identified by a course code designated by a string of alpha-numeric characters and a course title. In a course code, first two letters of the string indicate the Academic Program (e.g MS) & next two letters indicate the Centre (e.g CG) offering the course and the last three numbers designate particular course (numbers).

#### **Course Number**

For all the courses, the first digit corresponds to the level (year) at which a course is normally offered. The last two digits denote the number of the course, which will usually be odd for courses offered in the Odd Semester and even for courses in the Even Semester.

— 20 —

## Teaching Engagements

Every course maintains a teaching schedule for which weekly contact hours are decided for delivering lectures (L), engaging tutorials (T) and/or performing practical (P) to make learning in a course more effective. In the syllabi, the information regarding number of course credits and contact hours per week is denoted as: Credits (L – T – P); 4 (3 – 1–0) and options are tabulated below:

## Weights for Course Evaluation

Evaluation in every course is based on the weights assigned to various components of the course curriculum. These components are designated as under:

CWS	Class Work Sessional	DCC	Departmental Core	Credits	L	T	P
MTE	Mid Term Examination	DSE	Departmental Specific Elective	4	3	1	0
PRE	Practical Examination	AEC	Ability Enhancement Courses	4	4	0	0
PRS	Practical Sessional	SEC	Skill Enhancement Courses	4	3	0	2
ETE	End Term Examination	GE	Generic Electives	4	2	1	2
				4	2	0	4
				4	0	0	8

	Credit	L	T	P
DCC/DSE w/o Practical	4	3	1	0
DCC	2	0	0	4
DCC/DEC with Practical	4	3	0	2
GEC	4/2	3	1	0
Dissertation-I to IV	6	0	0	4

In general, the relative weights assigned to different components of the entire course are as given in subsequent tables.

The summary of Credit distribution for the above mentioned programs is mentioned below –

	CWS	PRS	MTE	ETE	PRE
DCC/DSE w/o Practical (4 Cr)	25	-	25	50	0
DCC (2 Cr)	-	50	-	-	50
DCC/DEC with Practical (4 Cr)	15	25	20	40	0
GEC	-	50	-	-	50
Dissertation-I to IV	-	50	-	-	50

Type of qualification	DCC	DEC	GEC	Dissertation	Total
Post-Graduate Diploma (One year)	20	8	-	12	40
Master's degree (2 years)	48	16	-	24	84
Master's degree (one year)	24	8	-	12	44

### Course Modalities

1. End Semester exam is mandatory.
2. The eligibility criteria for admission to M.Sc. course is minimum 55% or equivalent CGPA at bachelor's level. Relaxation for category students will be followed as per government norms.
3. The M.Sc (Geospatial Science) is a multidisciplinary program and is open to a large number of streams as per CUET Exam. Any student with CUET in science stream and M.Tech/Higher Sciences stream is eligible. Besides, those with CUET in Humanities Stream (with Geography, Archaeology, History as subjects) and those with CUET in common stream (with Applied geography, Geoinformatics, GIS, Business, Commerce, Disaster Studies etc as subjects). The complete list is attached as Appendix. The selection of candidates from different streams, however, will be based on a common merit only.
4. Admission to the MSc (Geospatial Science) will be through the same mode as approved by the University for various MS.c Program.
5. Minimum CGPA requirement as per DTU norms for registration in next year/semester.

### Eligibility

The eligibility conditions for the above mentioned programs are summarised below along with program name, number of seats and the essential qualifications is given below –

SN	Department / Centre	Program Name	No of Seats	Essential Qualifications
1	Multidisciplinary Centre for Geo-informatics	M.Sc Geospatial Science (one / two years program)  (MSCGS)	30	Any student with minimum 55% marks in graduation and with a valid CUET score. CUET Score acceptable for admission are in Science <u>Or</u> M.Tech/Higher Sciences stream. <u>Or</u> Humanities Stream (with Geography, Archaeology, History as subjects) <u>Or</u> Common stream (with Applied geography, Geoinformatics, GIS, Business, Commerce, Disaster Studies etc as subjects). The detailed list is attached as Appendix.

**PS - The selection of candidates from different streams, however, will be based on a common merit only.**

**The detailed list of eligible CUET scores is at Annexure below**



## Annexure

S N	STREAM	ALL/SELEC TED SUBJECTS	QP/TEST PAPER CODE		SUBJECT NAME
1	SCIENC E	ALL subjects) <sup>(30</sup>	1	SCQP01	AgriculturalScience- AgriculturalEconomics;Agronomy;Entomology;Agricultu ralExtension&Communication;Genetics&PlantBreeding ;Horticulture,PlantPathology,PlantPhysiology; SoilScience&AgriculturalChemistry,AgricultureTechnol ogy(Informatics),
			2	SCQP02	Agro-forestry
			3	SCQP03	Microbiology/AppliedMicrobiology
			4	SCQP04	ArchitectureandPlanning,SustainableArchitecture,Archi tectureandDesign,Urban&Regional Planning,
			5	SCQP05	Biochemistry,Anatomy,Pharmacology,BioScience,
			6	SCQP06	Bioinformatics,FoodScienceandNutrition, BioScience- Bioinformatics,
			7	SCQP07	Botany,BioScience,
			8	SCQP08	Chemistry,ChemicalSciences,IndustrialChemistryetc.
			9	SCQP09	ComputerScience,InformationTechnology,ComputerAp plication,BigDataAnalytics,Cyber Security,ArtificialIntelligenceandMachineLearning,etc.
			10	SCQP10	Criminology
			11	SCQP11	EnvironmentalSciences/Studies,Ecologyetc.
			12	SCQP12	FoodScienceandTechnology,Nutrition,FoodProcessing andManagement,FoodSafetyand QualityControletc.
			13	SCQP13	ForensicScience.
			14	SCQP14	Geology,EarthSciences,AppliedGeology,
			15	SCQP15	Geophysics
			16	SCQP16	Horticulture,Forestry&Biodiversity,SeedScience&Techn ology,Plant Breeding,Agronomy,Genetics,FruitScience,Floriculture, VegetableScienceetc.
			17	SCQP17	LifeScience- MolecularBiology,Biotechnology,Microbiology,Biochemi stry,Botany,Bioinformatics,Molecular Medicine,Zoology,BiomedicalEngineering&Science,Vir ologyandImmunology, Optometry,Bio-Physics,Genetics,HealthScience, MaterialScience
			18	SCQP18	MaterialScience
			19	SCQP19	Mathematics,AppliedMathematics,Electronics,
			20	SCQP20	MedicalLaboratoryTechnology,MedicalPhysicsetc.
			21	SCQP21	MPT
			22	SCQP22	Nanoscience/IntegrativeBiosciences
			23	SCQP23	Pharmacy- Pharmacology,PharmaceuticalChemistry,Pharmacogn osy,Pharmaceutics, PharmaceuticalScience,PharmaceuticalAnalysisetc.
			24	SCQP24	Physics,ComputationalandIntegrativeSciences,Electron ics,AppliedPhysics,AppliedPhysics+ ElectronicsEngineering
			25	SCQP25	PlantBiotechnology
			26	SCQP26	SoilScience- Soil&WaterConservation
			27	SCQP27	Statistics,AppliedMathematics,Statistics&Computing, DataScienceandAppliedStatisticsetc
			28	SCQP28	Zoology,Sericulture,HumanGenetics
			29	SCQP29	AtmosphericScience
			30	SCQP30	AnimalScience(Poultry)

2	M.TECH H/HIGHER SCIENCES	ALL 11 subjects	31	MTQP01	ChemicalThermal&PolymerEngineering, ThermalEngineering,
			32	MTQP02	Civil,Structural&TransportEngg.
			33	MTQP03	DairyTechnology
			34	MTQP04	DataScience,ArtificialIntelligence,CyberSecurity&ComputerScience,ComputerSciences&Engineering/Technology,InformationTechnologyetc.
			35	MTQP05	Electronics,CommunicationandInformationEngineering,DigitalCommunication, Micro-ElectronicsEngg,VLSIDesign,MicrowaveElectronics,
			36	MTQP06	FoodEngineeringandTechnology
			37	MTQP07	MechanicalEngineering,Manufacturing&Industrial, Tool Engineeringetc.
			38	MTQP08	NanoScience/Nano Technology,ComputerAidedDesign &Manufacturing,
			39	MTQP09	Nano-electronics/MaterialSciences
			40	MTQP10	Electrical,Power,EnergyEngineering,GreenEnergy Technologyetc.
			41	MTQP11	WaterEngineeringandManagement,AgriculturalEngineeringetc.
			42	MTQP12	TextileEngineering
3	HUMANITIES	Selected 01 subjects	43	HUQP08	Geography
4	COMMON	Selected 6 subjects	44	COQP02	AppliedGeography, <u>Geoinformatics</u> and <u>Geographic Information Systems</u>
			45	COQP08	Commerce,BusinessFinance,Accounting&Taxation,EconomicAdministrationandFinancial Managementetc.
			46	COQP09	DisasterStudies
			47	COQP10	Economics,FinancialEconomics,BusinessEconomics,RuralEconomicsetc.
			48	COQP19	PublicHealth
			49	COQP22	Healthcare & Hospital Management

**Scheme**  
**M.Sc. (Geospatial Science) 2024-2026**

— 25 —

**PROPOSED SCHEME FOR M.Sc.( GEOINFORMATICS) FIRST SEMESTER**

S. No.		Teaching Scheme										Relative Weightage %				
		Subject Code	Course Title	Course Name	Course Type	Credit	Contact Hours/ Week			Exam Duration		CWS	PRS	MTE	ET E	PRE
						L	T	P	Theory	Practical						
1.	MSCG 101	DCC-1	Introduction to geospatial Science, Cognition and Physics of Remote Sensing	DCC	4	3	0	2	3	2	15	25	20	40	-	
2	MSCG 103	DCC-2	Introduction to Spatial Mathematics, Statistics and Probability.	DCC	4	3	1	0	3	0	25	-	25	50	-	
3	MSCG 105	DCC-3	Introduction to GIS	DCC	4	3	0	2	3	2	15	25	20	40	-	
4	MSCG 107	DEC-1/GEC-1	Programming Fundamental	DEC	2	0	0	4	0	2	-	50	-	-	50	
5	MSCG 109	Dissertation -1	Dissertation-I		6	0	0	4	0	2	-	50	-	-	50	
		Total			20											

**Credits**

Total	Core	Generic Electives (GEC)	Department Specific Electives (DEC)	Dissertation
20	12	-	2	6

1261

**PROPOSED SCHEME FOR M.Sc.( GEOINFORMATICS) SECOND SEMESTER**

Teaching Scheme															
S. No.	Subject Code	Course Title	Course Name	Course Type	Credit	Contact Hours/Week			Exam Duration		Relative Weightage %				
						L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1.	MSCG 102	DCC-4	Introduction to Earth and Environmental Sciences	DCC	4	3	1	0	3	2	25	-	25	50	-
2.	MSCG 104	DCC-5	Digital image Processing	DCC	4	3	0	2	3	2	15	25	20	40	-
3.	MSCG 106	DEC-2/GEC-2	As per list	DEC	4	3	0	2	3	2	15	25	20	40	-
4.	MSCG 108	DEC-3/GEC-3	As per list	DEC	2	3	0	2	3	2	15	25	20	40	-
5.	MSCG 110	Dissertation -2	Dissertation-2		6	0	0	4	0	2	-	50	-	-	50
		Total			20										

**Credits**

Total	Core	Generic Electives (GEC)	Department Specific Electives (DEC)	Dissertation
20	8	-	6	6

1271

**PROPOSED SCHEME FOR M.Sc.(GEOINFORMATICS) THIRD SEMESTER**

S. No.		Teaching Scheme					Contact Hours/ Week			Exam Duration					Relative Weightage %				
		Subje ct Code	Course Title	Course Name	Course Type	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE			
1	MSCG 201	DCC 6	Introduction to Surveying, Mapping, Geodesy and GNSS	DCC	4	3	0	2	3	2	15	25	20	40	-				
2	MSCG 203	DCC 7	Advanced Earth and Environmental Sciences	DCC	4	3	1	0	3	0	25	-	25	50	-				
3	MSCG 205	DCC 8	Advanced Spatial Mathematics, Statistics and Probability.	DCC	4	3	1	0	3	0	25	-	25	50	-				
4	MSCG 207	DEC-4/ GEC-4	As per list	DEC	4	3	0	2	3	2	15	25	20	40	-				
5	MSCG 209	Dissertation -3	Dissertation-3		6	0	0	4	0	2	-	50	-	-	50				
		Total			22														

**Credits**

Total	Core	Generic Electives (GEC)	Department Specific Electives (DEC)	Dissertation
22	12	-	4	6

1200

## PROPOSED SCHEME FOR M.Sc.( GEOINFORMATICS) FOURTH SEMESTER

Teaching Scheme																
S. No.	Subject Code	Course Title	Course name	Course Type	Credit	Contact Hours/ Week			Exam Duration		Relative Weightage %					
						L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRI	
1	MSCG 202	DCC-9	Advanced Processing and Big Data Analysis Image	DCC	4	3	0	2	3	2	15	25	20	40	-	
2	MSCG 204	DCC-10	Principles of Optical, Thermal and Hyperspectral Remote Sensing	DCC	4	3	0	2	3	2	15	25	20	40	-	
3	MSCG 206	DCC-11	Microwave & LIDAR Remote Sensing	DCC	4	3	0	2	3	2	15	25	20	40	-	
4	MSCG 208	DEC-5/ GEC-5		DEC	4	3	0	2	3	2	15	25	20	40	-	
5	MSCG 210	Dissertation -4	Dissertation-4		6	0	0	4	0	2	-	50	-	-	50	
Total					22											

1  
20  
1

Credits

Total	Core	Generic Electives (GEC)	Department Specific Electives (DEC)	Dissertation
20	12	-	4	6

**In addition to the above scheme**  
**Elective Courses / Activities:** These are part of Co and Extra-curricular Activities and must opt for a minimum of 2 to 6 Credits in entire duration of the program.  
 The Identified MOOC's subjects or any other On-line Courses offered by the Recognized Accredited University enlisted by the University.  
 OR  
 The Approved Co and Extra-curricular Activities as defined by the University.  
 Publication in category 1 or category 2 journal publication is mandatory outcome of the Track 1. In second year (i.e., III and IV Semesters) Track 1 option is by research work. Candidate will be finally evaluated at the end of the semester IV on the basis of his/her publication (accepted or published in category 1 or 2 journals).



## M.Sc. in Geospatial Science

<b>SEMESTER 1</b>	<b>SEMESTER 2</b>
1. Introduction to geospatial Science, Cognition and Physics of Remote Sensing	1. Introduction to Earth and Environmental Sciences
2. Introduction to Spatial Mathematics, Statistics and Probability.	2. Digital image Processing
3. Introduction to GIS	3. DSE-2/ GEC-2
4. DSE-1/ GEC-1	4. DSE-3/ GEC-3
5. Dissertation-1	5. Dissertation-2

<b>SEMESTER 3</b>	<b>SEMESTER 4</b>
1. Introduction to Surveying, Mapping, Geodesy and GNSS	1. Advanced Image Processing and Big Data Analysis
2. Advanced Earth and Environmental Sciences	2. Principles of Optical, Thermal and Hyperspectral Remote Sensing
3. Advanced Spatial Mathematics, Statistics and Probability.	3. Microwave & LIDAR Remote Sensing
4. DSE-4/ GEC-4	4. DSE-5/ GEC-5
5. Dissertation-3	5. Dissertation-4

## **BASKET OF DEPARTMENT ELECTIVES COURSES (DEC)**

<b>DEC-1(Programming)</b>	<b>DEC -2 (Advanced Subject Electives)</b>
<ol style="list-style-type: none"><li>1. GEE programming as applied to Geospatial Sciences</li><li>2. Python programming as applied to Geospatial Sciences</li><li>3. MATLAB programming as applied to Geospatial Sciences</li><li>4. R programming as applied to Geospatial Sciences</li></ol>	<ol style="list-style-type: none"><li>1. Advanced Hyperspectral Remote Sensing</li><li>2. Advanced Geosciences (Geomorphology, Sedimentology, Palaeontology, Mineralogy, Geodynamics, Earthquake seismology etc)</li><li>3. Principles of Cartography</li></ol>
<b>DEC -3 (Advanced Subject Electives)</b>	<b>DEC -4 (Applications)</b>
<ol style="list-style-type: none"><li>1. Advanced GIS and WebGIS</li><li>2. Advanced Programming (GEE/Python/MATLAB)</li><li>3. Applications of GIS in urban planning/ disaster action plan</li><li>4. Applications of GIS in transport planning.</li></ol>	<ol style="list-style-type: none"><li>1. Hazard Monitoring &amp; Disaster Management</li><li>2. Urban Remote Sensing</li><li>3. Agricultural Remote Sensing</li><li>4. Hydrology in Remote Sensing</li><li>5. GLOF and Landslides</li><li>6. Geological Remote Sensing</li><li>7. Applications of GIS in public health</li></ol>

### **DEC -5 (Application Based)**

1. Target Detection and Enhancement
2. Weather and Rainfall Prediction
3. Drone/UAV data acquisition and processing
4. Principles of Atmospheric correction and surface Temperature retrieval algorithms

Proposal for establishing:

# Centre of Excellence in Disaster Risk Reduction



Proposed by:

Department of Civil Engineering  
Delhi Technological University Delhi

# 1. INTRODUCTION

India faces disasters almost every year and is ranked among one of the most vulnerable countries in the world. Over the years, occurrence of various disasters has caused extensive damage to life and property and have adversely impacted economic development. The rapid growth of the world's population and its increased concentration often in hazardous environment has escalated both the frequency and severity of disasters.

There exists a need to have a proactive, comprehensive, and sustained approach to disaster risk reduction for the detrimental effects of disasters on overall socio-economic development of the nation. Disaster management and mitigation is a multi-institutional approach, which needs dedicated commitment from central, state and district level institutions. A substantial reduction in the impact of disasters is achieved through emphasis on pre disaster activities, emergency preparation and further improving post disaster relief and management capabilities. There is a need for continuous innovative and creative approaches based on scientific and technical knowledge how to handle Disaster issues in future.

In view of the possibilities of catastrophic consequences in India arising due to various natural disasters, viz. environmental and climate change related hazards, earthquake, landslide, flood, cyclone, GLOF, fire etc., that may affect neighbouring countries at a time, it becomes imperative for the countries to pool together their resources and expertise, especially in the field of science and technology, to respond to the increasing threats from these disasters and make the communities resilient. Taking the lead in bringing together the progress in disaster risk reduction, Department of Civil Engineering, Delhi Technological University (DTU) is hereby proposing to establish a Center of Excellence in Disaster Risk Reduction (CoEDRR). The outcomes of the CoEDRR might be include recommendations for disaster risk assessment, reduction and the three R's (response, recovery and reconstruction) in all sectors related with development of India to maintain the Sustainable Development Goal (SDG). The CoEDRR will work as a constitution of Expert Groups to help the issues of hazard assessment in India; training and capacity building activities; developing a regional attenuation model and to develop guidelines for first-cut hazard-zonation in India.

Apart from it, in future, M. Tech. program in Disaster Mitigation and Management and joint PhD programme may be started under CoEDRR in collaboration with leading institutes of national and international level related to disaster management and also can be offered FEC's viz. Earthquake Safety, Fire Safety etc.

*[Handwritten mark]*

## 2. VISION

To be a center of excellence in the area of disaster risk reduction in Country.

## 3. MISSION

- To create expertise to innovate new technologies to reduce the impacts of natural and man-made disasters through multi-disciplinary technological and scientific approach. Present Govt. of India Mission: *Atal Innovation Mission (AIM)*.
- To generate data bank related to natural disaster which will work as to share with the stakeholders to make digital empowered society and knowledge economy. Present Govt. of India Mission: *Digital India (DI)*.
- To generate extensive academia- industry interactions on developing core research capability using artificial intelligence (AI) and geoinformatics in addressing societal resilience to disaster risk reduction. Present Govt. of India Mission: *National Mission for Artificial Intelligence*.
- To promote scientific temper and awareness, sensitization and rehearsal at the grass root level to support the national efforts to boost the innovation ecosystem in the country by connecting innovators across industry, individuals and the grassroots to the market and help commercialize innovative solutions. Present Govt. of India Mission: *National Mission for Accelerating Growth of New India's Innovations (AGNII)*.
- To maintain Himalayan ecosystem delicately balanced which has become increasingly vulnerable to the impacts of changes due to natural causes, anthropogenic emission related causes and also due to developmental paradigms of the modern society. Present Govt. of India Mission: *National Mission for Sustaining the Himalayan Ecosystem (NMSHE)*.
- To conduct academic training, such as short term inter-disciplinary training program for the faculty members of different Universities, Colleges, Schools, also for the students. Present Govt. of India Mission: *Atal Innovation Mission (AIM)*.
- To collaborate with the relevant government agencies, leading institutes of national and international level related to disaster management and risk reduction to protect, restore and enhance India's diminishing forest cover and responding to climate change through adaptation and mitigation measures. Present Govt. of India Mission: *National Mission for Green India (GIM)*.

- To minimize the current levels of uncertainties associated with likely consequences of environmental and climate change related hazards in various regions of the country. Present Govt. of India Mission: *National Mission on Strategic Knowledge for Climate Change (NMSKCC)*.
- Training on Government functionaries, Local Self Government bodies, NGOs on Disaster risk reduction. Present Govt. of India Mission: *NMSHE, GIM, NMSKCC, National Mission for Artificial Intelligence*.
- Organising seminar and workshops by inviting national level and international level experts.

#### 4. OBJECTIVES

The objectives of establishing Centre of Excellence in Disaster Risk Reduction (CoEDRR) are:

- To augment, build and strengthen qualitative/national capacities for reducing the impact of different disasters through resource development and technological interventions.
- To enhance joint research and development activities for development of disaster risk reduction strategies.
- To develop database for rapid dissemination of information and knowledge through experience sharing.
- To provide quality training to stakeholders in multidisciplinary areas of disaster risk reduction.
- To develop/facilitate multi hazard risk assessment and identify technologies towards DRR and reduce impact of multi hazards on the most vulnerable communities.
- To increase opportunities for multi-disciplinary collaborations to foster scientific and technical contributions with leading academic institutions, technical associations/societies and industries in India and abroad in matters of hazard, risk and disaster prevention.
- To develop comprehensive risk assessments, risk reduction strategies for disaster prevention.
- To promote applied and intra-disciplinary research in the areas of science, technology, management and social sciences for enhancing disaster resilience.
- To develop core and elective courses for undergraduate and postgraduate students of DTU.

## PROPOSED THRUST AREAS OF THE CENTRE

The Center will focus on the following key areas but not limited to:

a) Environmental and Climate Change Related Hazards

- Climate change adaptation with disaster risk reduction
- Natural and human-induced environmental hazards (including climate change)
- Community preparedness and resilience to environmental and climate change hazards
- Eco-friendly community based mitigation techniques
- Community participation for awareness by using various tools

b) Earthquake

- Engineering seismology and ground motion simulation
- Seismic Vulnerability Assessment of cities
- Seismic Risk Assessment of buildings in hilly regions
- Rapid Visual screening of all Schools, Govt. buildings, Life line buildings, heritage buildings etc.
- Assessment, analysis and retrofitting of structures
- Seismic design of foundations and underground structures

c) Landslide

- Landslides prevention and mitigation including early warning and monitoring
- Landslide hazard assessment and sensing
- Earthquake/flood induced landslides: analysis and modeling

d) Cyclone

- Cyclone and Wind disaster mitigation
- Cyclonic vulnerability and Risk Assessment
- Cyclonic microzonation and hazard mapping

e) Flood

- Flood resistant design and applications on dams and river training works
- Flood hazard assessment

f) Multi Hazard Risk Assessment

- Geotechnical engineering hazards for infrastructure projects
- Failure, assessment, monitoring and warning systems in underground structures including tunneling



- Field monitoring, IoT based sensing and warning systems for deep excavation
- Soil-structure interaction
- Ground failure analysis and effects on structures and lifelines
- Data-bank of soil profile for infrastructure development
- Multi Hazard Risk Assessment of buildings in hilly regions
- Multi Hazard Vulnerability Assessment of cities
- Preparation of Hazard Vulnerability Maps
- Preparation of Hazard Risk Maps

g) Application of GIS and Remote Sensing in Disaster Risk Reduction

- Remote Sensing and GIS for natural hazards assessment and risk reduction
- Vulnerability assessment to hazards
- Glacial lake outburst flood mapping and warning
- Geospatial linked AI/ML techniques in disaster forecasting

Focus will be on hazard, vulnerability, risk assessment and impact of climate change on various hazards. There are many areas in India which are vulnerable to number of hazards. Emphasis on the multi hazard risk assessment.

Apart from the listed above, research on all other areas related with disasters will also be covered in the proposed CoEDRR.

## 6. ACTIVITIES OF THE CENTRE

The each and every member of the CoEDRR will conduct interdisciplinary research on natural hazards risk and disaster impacts; help prepare the disaster professionals of the future by teaching and mentoring undergraduate and graduate students; and engage in outreach efforts geared to government, non-profit organizations, and private entities to improve disaster planning and response and to promote individual and community resilience in and around India. The CoEDRR's guiding goals are:

### 6.1 To minimize the harm and suffering caused by disasters

It is to done by focusing on social vulnerability and human impacts. The CoEDRR's aim is that no disaster is inevitable, but to mitigate the effects of disaster takes time, intelligence, heart, political will, and economic investment.

**6.2 To emerge as a centre of scholarly research in the social impacts of disasters**

Scholars affiliated with CoEDRR will have both quantitative and qualitative methodological expertise. Research conducted through CoEDRR will be theoretically informed and rigorous in its design. The work that produce will have strong application to real-world problems, with the potential to affect policies and programs related to disaster preparedness, response, and recovery. CoEDRR researchers will recognize the importance of not only conducting the research, but also highlighting its timely and critically important implications.

**6.3 To train future generation of hazards and disasters researchers and professionals**

It will be done by mentoring and advising students and helping them find internships that will help launch them into meaningful positions. CoEDRR seeks to attract graduate students with a strong desire to make valuable contributions to the study of human impacts of disaster.

**6.4 Become a clearinghouse for disaster-related information and resources**

It is planned to be done by communicating research findings, sharing publications and data sets, and publicizing the activities of CoEDRR staff, partners, and affiliates.

**6.5 Community Services**

The one of the main goal of the CoEDRR is related with the community services. The Centre will provide the following services for all members of the community in the country:

- 1) Conduct manpower training for reduction of disaster risk in the area of infrastructure development.
- 2) Conduct classes/training for school teachers and students how to take precautionary measures in case of any disaster.
- 3) Formation of school and college level DRR clubs.
- 4) Train teachers and students on way of reducing risk factors.
- 5) Provide expertise in the subject related to community development studies related with DRR.
- 6) Hosting guest lecture/ awareness camp related with disaster risk reduction.
- 7) Will work with all members of community to reduce disasters losses as and when necessary.

2

## WORKFLOW

Setting up a workflow for CoEDRR involves several key steps to ensure effective planning, preparedness, response, and recovery. Below is a general outline of a workflow that can be adapted based on the specific needs and context to the University aligning with Honbl'e Prime Minister of India' agenda – 1,5 and 6:

### 7.1 Risk Assessment and Analysis

- 1) Identify and assess potential hazards and risks in the region
- 2) Analyse vulnerabilities and exposure of communities to these risks
- 3) Conduct comprehensive risk assessments to prioritize areas of focus

### 7.2 Community Engagement and Education

- 1) Develop community outreach programs to raise awareness about potential risks.
- 2) Educate communities on disaster preparedness, early warning systems, and evacuation plans viz. Mock drills.
- 3) Establish partnerships with local organizations and community leaders.
- 4) App Development, Nukkor Natak, Virtual Reality for Disaster

### 7.3 Data Collection and Mapping

- 1) Collect and maintain relevant data on hazards, vulnerabilities, and resources.
- 2) Utilize Geographic Information System (GIS) tools for mapping and visualization.
- 3) Ensure data is up-to-date and easily accessible for decision-making.

### 7.4 Early Warning Systems

- 1) Implement early warning systems for timely alerts to communities.
- 2) Integrate technology, such as mobile apps and SMS, for rapid communication.
- 3) Conduct regular drills and training exercises to test the effectiveness of the systems.

### 7.5 Policy Development and Advocacy

- 1) Develop and advocate for policies and Disaster Management Plan for various stakeholders that support disaster risk reduction.
- 2) Collaborate with local, regional, and national government bodies to integrate risk reduction

measures into legislation and planning.

**7.6 Capacity Building**

- 1) Train staff, emergency responders, and community members on disaster response protocols.
- 2) Build the capacity of local organizations and government agencies involved in disaster management.
- 3) Training programme for Field Engineers, Masons – Govt. & Non-Govt,
- 4) School Teacher training for Curriculum Development in Climate Change and DRR
- 5) Separate DRR Demonstration Unit for all – Non-Technical, Technical and Common People

**7.7 Emergency Response Planning**

- 1) Develop comprehensive emergency response plans for various types of disasters.
- 2) Establish coordination mechanisms with relevant stakeholders.
- 3) Conduct regular table-top and field exercises to test and improve response plans.

**7.8 Resource Mobilization**

- 1) Identify potential funding sources, including grants, donations, and partnerships.
- 2) Develop proposals and applications for funding opportunities.
- 3) Maintain relationships with donors and sponsors.

**7.9 Monitoring and Evaluation**

- 1) Establish a monitoring and evaluation framework to assess the effectiveness of programs.
- 2) Collect feedback from communities and stakeholders for continuous improvement.
- 3) Adjust strategies based on lessons learned from past events.

**7.10 Research and Innovation**

- 1) Stay informed about the latest trends and technologies in disaster risk reduction.
- 2) Conduct research to improve understanding of risks and enhance response strategies.
- 3) Foster innovation in risk reduction measures.

### 7.11 Networking and Collaboration

- 1) Collaborate with other disaster management organizations, NGOs, and international agencies.
- 2) Participate in forums, conferences, and working groups to share knowledge and experiences.

### 7.12 Public Awareness and Communication

- 1) Develop communication strategies to keep the public informed about risks and preparedness measures.
- 2) Use various media channels to disseminate information during emergencies.
- 3) Foster a culture of resilience through ongoing public awareness campaigns.

Periodically review and update the workflow based on the changing risk landscape, technology advancements, and organizational learning from past events. Regular drills, simulations, and feedback loops will help ensure the effectiveness of the disaster risk reduction efforts.

## 8. GOVERNANCE STRUCTURE

Center will be headed by the Coordinator and will be associated by Co-coordinator and Members. Proposed Centre will work as per guidelines provided for centres by the Delhi Technological University. The proposed structures as follows:

- a) Coordinator - Prof. Raju Sarkar - CE
- b) Associated Faculty Members proposed below:
  - Dr. Shilpa Pal - CE
  - Prof. Anil Kumar - AC
  - Dr. P.K. Goel - CE
  - Prof. K.C. Tiwari - MCG
  - Dr. Ravindra Singh - DoD
  - Dr. Pawan Singh Mehra - CSE
  - Dr. Anurag - CSE
  - Dr. Rajiv Mishra - ENE
  - Dr. Jayashimadri - AP

The associated faculty members to the centre is flexible in nature and may be evolved in future based on the contribution/interest to the centre.

### MONITORING COMMITTEE (as per DTU guidelines, Clause 9)

The formation of monitoring committee is required for midterm evaluation and progress of the performance of the CoEDRR. The composition of the Monitoring Committee is as follows and will be nominated by the Honbl'e Vice Chancellor.

- a) A senior academician: Chairperson
- b) An academician/expert of repute from within university: Member
- c) An academician/expert of repute from outside university: Member
- d) Head of the participating Department(s): Member
- e) An academician within university: Member Secretary

### 10. ADVISORY COMMITTEE (as per DTU guidelines, Clause 10)

The formation of advisory committee is required to oversee the initiation and implementation of various activities and programs at the CoEDRR. The composition of the Advisory Committee is as follows and will be nominated by the Honbl'e Vice Chancellor.

- a) Vice-Chancellor or his nominee: Chairperson
- b) An academician of repute from within university: Member
- c) Two academician of repute from outside university:
  - i) Prof. Pratima Rani Bose
  - ii) Sh. Madan Mohan Oberoi (Cyber Crime)
- d) Head of the participating Department(s): Member
- e) Coordinator of CoEDRR of the participating department: Prof. Raju Sarkar – Member

### 11. FINANCIAL

- a) Fund from DTU
- b) Fund will be generated by the Center through projects
- c) Fund generated by in collaboration with National/ International collaborators projects
- d) Fund generated by conducting training program.
- e) Fund generated by industrial consultancy

3/c

**FUND REQUIRED FROM DTU (for Initial Setup and Space)**

The funding required to develop the Geotechnical Computational Laboratory is mentioned as below:

Sl. No.	Item	Quantity	Item Rate (Rs.)	Approximate Budget (Rs.)	
<b>2023-24</b>					
01	Computer	02	2,00,000/-	2,00,000/-	
02	Printer (B/W)	02	20,000/-	40,000/-	
03	Printer (Colour)	01	40,000/-	40,000/-	
04	Softwares				
	a) Plaxis	10 user	Already with department		
	b) Geoslope	10 user			
	c) SAP2000	1 user		9,00,000/-	9,00,000/-
	d) UDEC	10 user		12,00,000/-	12,00,000/-
	e) TIBCO Statistical	1 user		6,00,000/-	6,00,000/-
05	External hard drive during field visit (1TB)	01	10,000/-	10,000/-	
06	Logistics to visit similar research center of leading institute of India viz. IIT-Roorkee	2 Members	a) Travel - 10,000/- b) Accommodation for two nights - 8,000/-	36,000/-	
07	Misc. viz. stationery, printing materials, cartridge refilling etc.	Lumsum	20,000/-	20,000/-	
			<b>Total</b>	<b>30,46,000/-</b>	

**12. EXISTING PROJECTS WITH THE COORDINATOR/MEMBERS OF THE PROPOSED CoEDRR**

Sl. No.	Title of the Research Project	Funding Agency	Amount of Grant (lakh Rs.)	Name of PI/ Co-PI	Status
<b>International</b>					
1	Impact of Climate Change, Land Use Land Cover, and Socio-Economic Dynamics on Landslides in South and East Asia	International Science Council	12.0	Prof. Raju Sarkar (PI)	Ongoing
<b>National</b>					
1	Inventorisation of Glacial Lakes and Glacial Lake Outburst Flood (GLOF) Study in Himachal Pradesh and Uttarakhand, India using Remote Sensing and GIS	National Mission on Himalayan Studies, GoI	35.4	Prof. K.C. Tiwari (PI)	Ongoing
2	Development of Earthquake Disaster Risk Index for 60 Indian Cities	National Disaster Management Authority, GoI	25.0	Dr. Shilpa Pal (Co-PI)	Ongoing

-43-

A



**13. FACILITIES REQUIRED**

The Center needs to be equipped with the following resources for setup and sustainability:

- Software – Plaxis, Geoslope, Ansys, Abacus, Hazus-MH, SAP, ETAB, Lindo, STATISTICA etc.
- Computer Laboratory - may be collaborated with other Department of DTU, if required.
- Earthquake lab, Actuators (dynamics lab), Geotechnical Engineering lab, Rock Mechanics lab, Remote Sensing and GIS lab, which are already available in Civil Engineering Deptt.

**14. REQUIREMENT OF MANPOWER**

- a) Office Assistant - 01
- b) Attendant - 01

**15. KEY PERFORMANCE INDICATORS**

The performance indicators of the Centre are mentioned as below. Also key performance indicators with respect to targets are shown in Table 1.

- 1) The fund generated by the CoEDRR through project in collaboration with National/ International collaborators and by outreach training apart from SEED fund received from DTU to start the CoEDRR.
- 2) Number of research grants received
- 3) Number of research studies undertaken by faculty and students (for M. Tech and PhD)
- 4) No. of research project carried out by members
- 5) No. of consultancy project carried out by members
- 6) Number of papers published in National/International level
- 7) Number of Training sessions

**Table 1 Key Performance Indicators and Targets**

Key Performance Indicators	Baseline	Medium Term Targets		Long Term Targets	
	2024	2025	2026	2027	2028
Poster Presentation	02	03	03	03	03
No. of Research Project will be carried out by students	04	05	05	08	08
No. of Papers Published/to be Published in National level publications	0	02	03	04	05

No. of Papers Published/to be Published in International level publications	01	03	04	05	06
No. of Research Studies to be undertaken by faculty	02	02	03	03	04
No. of Research Proposals to be submitted	01	02	03	04	05
No. of Research Grants to be received	01	01	01	02	02
No. of Training to be given to the Researchers	01	02	02	03	04
No. of Student's Research Project supported by Centre	0	01	01	02	03

## 16. SUGGESTIONS

Any suggestions and feedbacks are also welcome.

A.

**Annexure****PROPOSED ROLES, RESPONSIBILITIES AND ADMINISTRATIVE STRUCTURE OF RESEARCH AND DEVELOPMENT (R&D) OFFICE AT DTU****1.1 Preamble**

The strength of a University is governed by its research productivity, knowledge generation, translational research and innovation. The attainment of these objectives depends on the alignment of faculty with all types of research initiatives being undertaken at the University level. The Research and Development (R&D) office plays a pivotal role in catalyzing the culture of research and development, including multidisciplinary/transdisciplinary and translational research at the University. The R&D office also facilitates interaction with external funding agencies, both national and international. The office acts as a liaison between the University and the funding agencies to undertake sponsored projects. The office provides specialized administrative and managerial support for the operation of sponsored research projects, consultancy projects, University-sponsored projects and other research and development-related activities at the University.

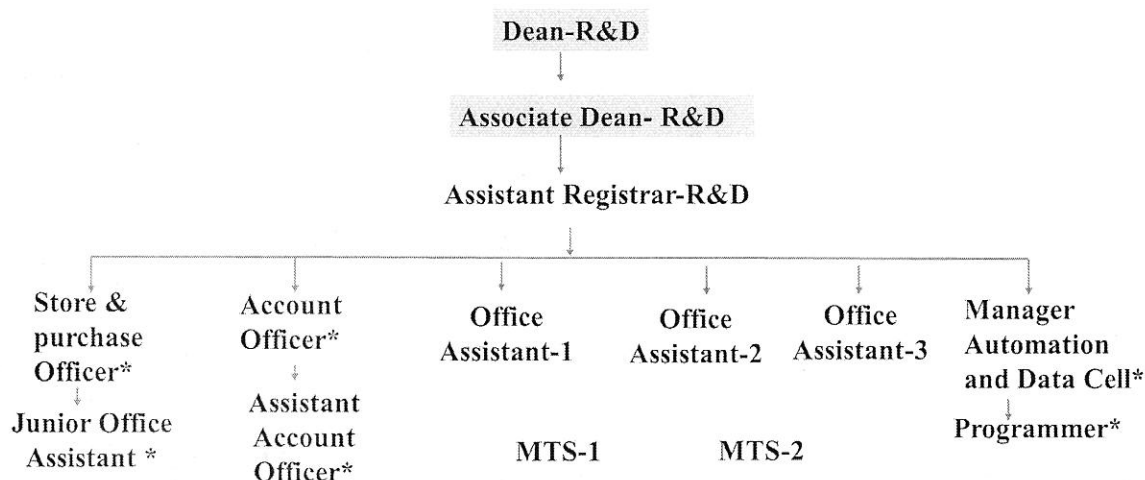
**1.2 Vision**

To create a dynamic and multidisciplinary research ecosystem in the University by promoting research of both fundamental and translational potential, with a goal to enrich the scientific community and benefit society.

**1.3 Mission**

- To promote research, innovation, intellectual property, product development, and technology transfer at the University.
- To support researchers in liaising with potential funding sources to finance their research.
- To foster opportunities for collaboration between researchers and their counterparts in industry and other institutes.
- To ensure administrative and managerial support for the execution of sponsored research projects, consultancy projects, university schemes for faculty & students etc.
- To recognize and incentivize researchers for their R&D contributions such as publications, citations, patents, product development, etc.

## 2. Administrative structure



\* Position, Role and Responsibilities shall be shared between R&D and Corporate Relationship Office

### 2.1 Responsibilities and authorization

The following administrative entities are constituted for the smooth working of R&D office:

#### (a) Dean-R&D

**Responsibility:** The office of R&D is headed by the Dean (R&D), who supervises and coordinates the activities of the R&D office, along with any other work assigned by the Vice Chancellor, DTU.

**Authorization:** Approval for submission of the project proposals to funding agency and subsequent modifications/revisions in the proposals; Signing of the agreement (on behalf of the University) with the funding agencies after obtaining the approval of the competent authority (if needed); Signing of agreements with institutes for collaborative research activities; Approval of submission of project proposals with the relaxation of Administrative Overheads (as per FUNDING AGENCY written norms); Sanction financial implications upto Rs. 25 lakhs for R&D office activities; Issue norms, circulars, notifications, memorandums, etc., related to the R&D office (Expenditure Sanction exceeding 25 Lacs shall be approved by the Vice-Chancellor)

#### (b) Associate Dean -R&D

**Responsibility:** The Associate Dean of R&D Office supervises and coordinates the activities of R&D office, along with any other work assigned by Vice Chancellor DTU/ Dean-R&D.

**Authorization:** Approval for operation of the project & notification; Creation of posts as per R&D designations/norms, when positions are not given by the funding agency in the sanction letter; Issuance of Completion/termination letters/certificates for projects on the recommendation of the PI; Issuing refund of unspent balance and financial closure; Recruitment activities under projects; Execution of faculty funding schemes. Execution of incentive schemes; Execution of student funding schemes; Issue norms, circulars, notifications, memorandums, etc., related to the R&D office.

### **(c) Assistant Registrar, R&D**

**Responsibility:** The Assistant Registrar is in-charge and custodian of the R&D office. Additionally, he/she is responsible for the tasks assigned by the Vice Chancellor DTU, Dean-R&D, or Associate-Dean-R&D.

**Authorization:** Issuance of endorsement letters; Registration, extension, and closure of projects; Receipt of grants; Issuance of Utilization Certificates and Statement of Accounts for sponsored research projects; Bharatkosh/e-MRO payments against refunds, faculty no-dues, etc. Hosting visitors' delegations related to the R&D office within the University and coordinating with faculty members; Organization and logistic handling for both national and international visitors. Communication with external funding bodies and coordination of outreach activities for the R&D Office; Preparation of quarterly and annual scientific reports, data analysis, organization, and representation in suitable formats; Dissemination of research funding opportunities and replying to RTI queries. Issuance of norms, circulars, notifications, memorandum, etc., related to the R&D office; Work related to various categories of project appointments including selection committee, ad-hoc and student appointment; Work assignment approval and clearance of bill. Miscellaneous tasks such as RTI requests, issuance of NOCs to project staff. Acceptance of joining, extension and resignation requests; Maintenance of personnel data related to projects; Release of monthly, supplementary salary, and stipends for students, as well as calculation of income tax of project employees; Processing of honorarium payments for university employees, project employees and outsiders from the project; Handling fellowship payment. Distribution of honorarium related to various incentive schemes.

### **(d) Office Assistant 1**

**Responsibility:** Formation of files related to establishment activities of sponsored research and consultancy project and any other tasks assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D.

### **(e) Office Assistant 2**

**Responsibility:** Formation of files related to faculty schemes, student schemes and various incentive schemes of the R&D office, along with any other tasks assigned by Dean R&D/ Associate Dean R&D, Assistant Registrar, R&D.

### **(f) Office Assistant 3**

**Responsibility:** Formation of files related to daily activities of R&D Office, preparing quarterly and annual scientific reports, data analysis, organization, and presenting data in suitable formats, disseminating of research funding opportunities and responding to RTI queries, managing IIC activities-related files and any other tasks assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D

### **(g) Store & Purchase (S&P) Officer**

**Responsibility:** Processing of indigenous and import orders through research projects; Paying bills directly and purchase order-based bills from research projects; Verification of assets from research projects on a half-yearly or yearly basis; Processing and making payments of GeM-based orders from research projects; Record keeping and inventory management; Providing

coordination and assistance to other departments and sections for the procurement of goods and services; Any other work assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D/ Dean- Corporate Relationship/ Associate Dean -Corporate Relationship/ Director/Chief Operating officer-Corporate Relationship

**(h) Junior Office Assistant**

**Responsibility:** Formation of files related to store and purchase, along with any other tasks assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D/ Store and Purchase Officer/ Dean- Corporate Relationship/ Associate Dean -Corporate Relationship/ Director/Chief Operating Officer-Corporate Relationship

**(i) Accounts Officer**

**Responsibility:** Disbursing all project-related payments; Discharging the responsibilities of Financial Status; Handling Cheque payment, RTGS /NEFT payment, Virtual payment through PFMS, TDS submission through Challan; Maintenance of R&D fund account & Cash-book; Managing R&D as well as A/c- fund Investments; Coordinating with the banks; Resolving queries of payment related issues; Safekeeping of payment records; Preparing Financial Statements and Balance Sheet of the R&D Office; Managing funds related to Sponsored research projects; Overseeing Overhead deduction, professional development funds; Preparing invoices, bill of supplies; export invoices, eWay bills, financial documents required by funding agencies, credit notes, and BRS; Managing funds for projects running through PFMS; Managing Vendor Registration and Registration as Vendor; Financial Management of R&D Office and Claims settlement (Internal and External), GSTR filing, TDS refunds; Managing funds from foreign funding agencies. Any other tasks assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D/ Dean- Corporate Relationship/ Associate Dean -Corporate Relationship/ Director/Chief Operating Officer-Corporate Relationship

**(j) Assistant Account Officer**

**Responsibility:** Initiating and processing files related to accounts. Any other tasks assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D/Accounts Officer/ Dean- Corporate Relationship/ Associate Dean -Corporate Relationship/ Director/Chief Operating Officer-Corporate Relationship

**(k) Manager, Automation and Data Cell**

**Responsibility:** Overseeing the design, development, implementation and maintenance of automated systems (R&D online system) and data solutions for R&D office related processes; Monitoring the performance, availability and security of the automated systems and troubleshooting any issues or problems that may arise; Collecting, organizing and entering data from various sources into the University R&D Office database; Ensuring the accuracy, safekeeping and quality of the data, by following the data security and confidentiality policies of the university and in general; Collaborating closely with other departments (Accounts, Establishment, S&P) to support their data needs and resolve any issues; Any other work assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D/ Dean- Corporate Relationship/ Associate Dean -Corporate Relationship/ Director/Chief Operating officer-Corporate Relationship.



### (l) Programmer

**Responsibility:** To design, develop and maintain the website of the R&D office; To troubleshoot and fix any issues that arise on the website; To provide regular reports on the website's performance and analytics; To oversee the strategy, content, and performance of the R&D Office social media channels; To Monitor and analyze the metrics and feedback of the social media activities; To report on the results and insights to the R&D Office Team. To handle any other tasks assigned by Dean-R&D/ Associate- Dean- R&D/ Assistant Registrar, R&D/ Manager automation & data cell/ Dean- Corporate Relationship/ Associate Dean -Corporate Relationship/ Director/Chief Operating Officer-Corporate Relationship

**(m) Multitask Staff (MTS)-1:** Various tasks such as greeting visitors, sorting mails, distributing daks, filing documents, and maintaining the cleanliness of the office. Any other work assigned by Dean/Associate Dean/ Deputy Registrar/ Assistant Registrar/ Data Manager.

**(n) MTS -2:** Various tasks such as greeting visitors, sorting mails, distributing daks, filing documents, and maintaining the cleanliness of the office. Any other work assigned by Dean/Associate Dean/ Deputy Registrar/ Assistant Registrar/ Data Manager.

**3. R&D Account:** A separate R&D account shall be opened to receive the funds from the funding agency. The sub-accounts shall be opened for each project under the umbrella of the R&D account (as per the requirement of the funding agency). If the funding agency provides funds through the Public Financial Management System (PFMS), a separate account shall be opened as per funding agency regulations. The account functionaries shall be Dean-R&D, Associate Dean-R&D & Assistant Registrar-R&D. The Signature of any two of the above mentioned account functionaries may release the payment. The audit of the account as per Controller General of Accounts (CGA), Department of Expenditure, Ministry of Finance, Government of India shall be the responsibility of Dean R&D and Assistant Registrar, R&D.

### 4. Budget of R&D Office

The proposed budget for establishing and ensuring the smooth functioning of the R&D office is as follows, categorized into manpower, schemes, and operations:

Manpower				
Designation	Level	Basic Pay (Rs.)	Monthly Salary (Rs.)	Annual Salary (Rs.)
Assistant Registrar	L-10	56100	110097	1321164
Store Purchase Officer *	L-8	47600	89652	1075824
Account Officer*	L-9	53100	104787	1257444
Office Assistant-1	L-9	25500	50535	606420
Office Assistant-2	L-9	25500	50535	606420
Office Assistant-3	L-4	25500	50535	606420
EDP Manager (Manager Automation & Data)*	L-11	67700	130629	1567548
Programmer*	L-10	57700	112929	1355148



Junior Office Assistant *	L-2	19900	37248	446976
Assistant Account Officer*	L-8	47600	89652	1075824
Multitask Staff (MTS)-1	L-1	18000	33885	406620
Multitask Staff (MTS)-2	L-1	18000	33885	406620
			<b>Total (A)</b>	<b>10732428</b>
* Roles, Responsibilities shall be shared between R&D Office and Corporate Relationship Office				

<b>Schemes for Faculty</b>			
Scheme	Number	Expenditure per project (Rs)	Annual Expenditure (Rs)
Young Faculty Grant	30	250000	7500000
Faculty Interdisciplinary Research project	20	500000	10000000
Equipment Matching Grant**	5	3500000	17500000
Multi- institutional faculty Interdisciplinary Project***	5	500000	2500000
		<b>Total (B)</b>	<b>37500000</b>
** Grant utilization depends on the sponsored project received to DTU			
*** Grant utilization is based on the MOU Signed between the DTU and Other Institute/University			

<b>Operational Cost</b>	
Scheme	Annual Expenditure (Rs)
Research Excellence Award & Innovation awards	20000000
Promotional activities & IIC activities	2000000
ERP & Server#	1000000
Miscellaneous	300000
<b>Total(C)</b>	<b>23300000</b>
<b>Grand Total(A+B+C)</b>	<b>71532428</b>
# Shared between R&D and Corporate Relationship Office	

**5. R&D online system:** It is a Mini-ERP System that provides administrative support and facilitates project management for the operation of Sponsored Research Projects, Consultancy projects, University-sponsored projects, event administration and other R&D activities undertaken by faculty and researchers of DTU.

## Annexure- II

### PROPOSED ROLES, RESPONSIBILITIES AND ADMINISTRATIVE STRUCTURE OF CORPORATE RELATIONSHIP OFFICE AT DTU

#### 1.1 Preamble

Collaboration between academia and industry is a fruitful way to foster innovation, growth, and progress. It can help bridge the gap between research and practice, and accelerate the delivery of valuable products to society. The corporate relationship office is a key platform that facilitates various forms of corporate engagement for the university's industry outreach. It helps in finding suitable collaborators and assists industry partners with different Corporate Social Responsibility (CSR) schemes and their implementation in the University. The office also supports University faculty to work with industry on translation projects. Additionally, the corporate office offers specialized administrative and managerial support for the operation of R&D partnerships with industry, covering research projects, centre of excellence, CSR schemes, Chair professorship, intellectual property management, technology transfer, corporate training/ skill development etc.

#### 1.2 Vision

To create an ecosystem and interface with industry for mutual benefit.

#### 1.3 Mission

- To foster opportunities for research partnership with industry for technology development and its commercial applications
- To support University researchers in intellectual property management and transfer of technology.
- To provide administrative and managerial support for corporate social responsibility initiatives, Chair professorship, corporate training/skill development programs.

**1.4 Modes of University-Industry Interaction.** The University encourages its faculty, scientists, technicians and students to engage with industry in all possible ways to derive mutual benefit. The major modes of interaction are listed below:

- (a) Professional consultancy by faculty to industries.
- (b) Industrial testing by faculty and technicians, either on-site or in the laboratory.
- (c) Joint research programs and field studies involving both faculty and industry people.
- (d) Faculty visits to industry for study, discussions or lectures.
- (e) Visits of industry executives and practicing engineers to the University for seeing research work and laboratories, engaging in discussions and delivering lectures on industrial practices, trends and experiences.

- (f) Memoranda of Understanding between the University and industries to bring the two sides emotionally and strategically closer.
- (g) Human resource development programmes conducted by the faculty for practising engineers, including workshops, conferences and symposia with joint participation of the faculty and the industry people.
- (i) Participation of industry experts in curriculum development.
- (j) Collaborative degree and certificate programs.
- (k) Undergraduate, postgraduate and doctoral projects/dissertation work in industries under joint guidance of the faculty and industry experts.
- (l) Practicing engineers enrolling in part-time M.Tech./Ph.D. program at DTU, Delhi .
- (m) Short-term industry assignment for faculty members.
- (n) Visiting faculty/professors from industries.
- (o) Professorial Chairs sponsored by industries at the University.
- (p) R&D Laboratories sponsored by industries at the University.
- (q) Scholarships and fellowships by industries at the University for the students.
- (p) Practical training of students in industries.

## 2. Definitions

2.1 **University** means Delhi Technological University, Delhi

2.2 **Department** means all the academic departments, academic centre, centre of excellence and academic service centre at the University.

2.3 **Vice Chancellor** means Vice Chancellor, Delhi Technological University, Delhi

2.4 **Dean of Corporate Relationship** (Dean, CR) means Dean responsible for the development of industry relations at Delhi Technological University

2.5 **Associate Dean of Corporate Relationship** (AD-CR) means Associate Dean to support the Dean in various activities of corporate relationship.

2.6 **Project** implies sponsored and consultancy research projects.

2.7 **Sponsor** means the organization that offers a Project to the University and provides necessary financial support for the successful completion of the Project in time.

2.8 **Corporate Professional Development Fund:** means a fund generated by crediting a part of endowment fund to Chair Professor

### 3. Administrative Structure

The administrative structure of corporate relationship office shall be as follows:



\* Position, Role and Responsibilities shall be shared between R&D and Corporate Relationship Office

#### 3.1 Responsibilities and authorization

Following administrative entities are constituted for the smooth working of the Corporate Relationship Office.

##### (a) Dean-Corporate Relationship (CR)

**Responsibility:** Office of corporate relationship is headed by Dean-CR, who supervises and coordinates the activities of Corporate Relationship office, **along with handling** any other work assigned by Vice Chancellor DTU

**Authorization:** Approval for submission of the Project to the Funding agency and subsequent modifications/revisions to the Proposal. Signing of the agreement (on behalf of the University) with the funding agency after obtaining approval from the competent authority (if needed). Approval for projects submission with the relaxation of Administrative Overheads (as per the written norms of the FUNDING AGENCY). Sanction approval up to Rs. 25 lakhs for Corporate Office activities. Expenditure Sanction exceeding 25 Lakhs requires approval from the Vice-Chancellor. Issuance of Norms, Circulars, notifications, memorandum, etc. related to Corporate Relationship Office.

##### (b) Associate Dean- CR

**Responsibility:** The Associate Head of the CR Office supervises and coordinates the activities of the CR Office. Additionally, he/she handles any other tasks assigned by the Vice Chancellor of DTU or the Dean-CR.

**Authorization:** Approval for operation of the Project and issuing notification. Execution of CSR schemes. Execution of Chair professorship scheme. Execution of Skill development/corporate training scheme. Execution of IPR and Technology Transfer. Issuance of Norms, Circulars, notifications, memorandum, etc. related to Corporate Relationship Office.

**(c) Director / Chief Operating Officer (COO)**

**Responsibility:** The Director/COO is in-charge and custodian of the Corporate Relationship Office. Additionally, he/she is responsible for the tasks assigned by the Vice Chancellor DTU/ Dean-CR/ Associate- Dean- CR

**Authorization:** Issuance of endorsement letters; Registration, extension, and closure of projects; Receipt of grants; Issuance of Utilization Certificates and Statement of Accounts for industry-funded projects, CSR funds, Chair position funds, skill development/ corporate training program, faculty no-dues, etc. Hosting visitors' delegations related to the Corporate Relationship office within the University and coordinating with faculty members. Communication with industries and coordinate outreach activities of the Corporate Relationship Office. Preparation of quarterly and annual reports, data analysis, organization, and representation in suitable formats. Dissemination of funding opportunities and replying to RTI queries. Issuance of Norms, Circulars, notifications, memorandum etc. related to Corporate Relationship Office.

**(d) Assistant Director-1/ Executive Manager-1, (Industry Liaison & CSR Activities)**

**Responsibility:** Preparing documents related to Industrial partnerships (MoU), To coordinate and communicate the corporate social responsibility (CSR) initiatives and activities of the University to Industry. To develop and implement CSR policies, programs and projects in the University. To monitor and report on the progress and outcomes of the CSR activities and their contribution to the University sustainability goals. To provide guidance and support to other departments and units on CSR-related matters and best practices. To make all the files related to industry liaison and CSR activities. Do correspondence related to Industrial Partnerships and CSR activities. To handle any other work assigned by Dean-CR/ Associate- Dean- CR /Director/COO, CR.

**(e) Assistant Director-2/Executive Manager-2, (Chair professorship & Corporate Training)**

**Responsibility:** To execute the Chair professorship policy of DTU. To ensure smooth operation of the Chair professorship, which includes managing budgets and administrative support to release payments related to Chair professorship. To liaison with industry for training needs, developing, and implementing training programs, and ensuring these programs deliver tangible results. To liaison with faculty for conducting training programs. To manage the training budget. To make all the files related to Chair professorship & corporate Training. Do correspondence related to Chair Professorship and Corporate Training. To handle any other work assigned by Dean-CR/ Associate- Dean- CR /Director/COO, CR.

**(f) Assistant Director-3/ Executive Manager-3, (IPR & Technology Transfer)**

**Responsibility:** To provide support and guidance to researchers, faculty and staff on intellectual property policies, procedures, and best practices. To facilitate faculty members /students/project staff/ supporting staff/visitors in all IPR application activities. To empanel the

attorney for filing patent on behalf of DTU. To process all financial matters related to registration and maintenance of various Ips; Having custody of all IPR related documents. To facilitate the transfer of research outcomes and intellectual property to external partners and stakeholders. To identify, evaluate, protect, market, and license the University's inventions and innovations. To make all the files related to IPR and Technology transfer. Do all the correspondence related to IPR & Technology Transfer. To handle any other work assigned by Dean-CR/ Associate- Dean- CR /Director/COO, CR.

**(g) Multi-tasking staff (MTS):** Various tasks such as greeting visitors, sorting mails, distributing daks, filing documents, and maintaining the cleanliness of the office. To handle any other work assigned by Dean/Associate Dean/ Director/COO/ Assistant Director/Executive Manager.

#### 4. Budget

The proposed budget for establishing and ensuring the smooth functioning of the Corporate Relationship office is as follows, categorized into manpower and operations:

Manpower				
Designation	Level	Basic Pay (Rs.)	Monthly Salary (Rs.)	Annual Salary (Rs.)
Director/ Chief Operating Officer	L-13	123100	228687	2744244
Assistant Director- 1 /Executive Manager -1	L-10	56100	110097	1321164
Assistant Director-2/ Executive Manager -2	L-10	56100	110097	1321164
Assistant Director-3/ Executive Manager -3	L-10	56100	110097	1321164
Multitask Staff (MTS)	L-1	18000	33885	406620
			Total (A)	7114356

Operational Cost	
Items	Annual Expenditure (Rs.)
Promotional Activities	500000
Travel	300000
IPR (IPR filing and attorney hiring)	2000000
Legal Hire	500000
Other Administrative expenses	500000
Total (B)	3800000
Total (A+B)	10914356

**5. Corporate Relationship Account:** A separate account to receive the funding related to activities and routine functioning of Corporate Relationship office. The Account functionaries shall be the Dean of Corporate relationships, Associate Dean and Chief operating officer. The audit of the account as per Controller General of Accounts (CGA), Department of Expenditure, Ministry of Finance, Government of India shall be the responsibility of Dean Corporate Relationship and Chief Operating Officer-Corporate Relationship.

## **6. Process work flow**

**Step-1 Awareness Phase** Introduction between DTU and Corporate Partner

- ✓ Share topic(s) for collaboration such as Consultancy project, CSR, Chair Professorship, Technology Transfer, Corporate Training

**Step-2 Interest Phase:** Corporate Relationship Office shares the topic with all faculty

- ✓ Proposal(s) created by faculty and shared

**Step-3 Evaluation Phase**

- ✓ Feedback from Corporate on proposal(s)
- ✓ Proposal(s) revised & resubmitted.
- ✓ Proposal shortlisting and in-depth discussion.

**Step-4 Award Phase**

- ✓ Award of proposal(s)
- ✓ Work commences post-release of funding from the Corporate Partner

**Step-5 Execution Phase**

- ✓ Regular discussion during execution
- ✓ Joint review to monitor progress

**6.2 Corporate Relationship online system:** It is a Mini-ERP System that provides administrative support and enables project management for the operation of corporate relationship office activities undertaken by faculty and researchers of DTU.



**Annexure-III****RESEARCH & DEVELOPMENT SCHEMES FOR FACULTY**

R&D schemes for faculty are designed to bolster the academic and intellectual environment within the University. These schemes aim to promote innovation, facilitate interdisciplinary collaboration, and enhance the quality of education and research output. The primary objective of these funding schemes is to secure external grants from sponsoring agencies, which play a vital link between researchers and funding bodies, ensuring that promising ideas receive the necessary support to materialize into impactful outcomes.

**1.1 General**

Faculty members are eligible to avail only one scheme at a time. Additionally, each of the faculty members may avail all the schemes once during their tenure at the University.

**1.2 Young Faculty Grant**

Under this scheme, the R&D Office will annually solicit project proposals from Assistant Professors who have joined the university within the last 5 years and hold a PhD degree. The project duration will be 2 years. Faculty members whose project proposals are selected/awarded will receive a total grant of up to Rs. 5,00,000/- (Rupees five lakh).

***1.2.1 Information required in a project proposal.***

- a. Project title
- b. Details of Principal Investigator (Name, Department, education qualification, publications in last five years)
- c. Origin and Importance of the project
- d. National and International status of the project
- e. Objectives
- f. Methodology
- g. Budget
- h. Expected outcome(s) from the project.

***1.2.2 Selection of projects and funding***

Projects will be selected for funding solely based on scientific merit, as assessed by a review committee established by the University. Upon selection, a sanction letter detailing the budget breakdown will be issued to the Principal Investigator of the selected project. Initially, fifty percent of the grant will be disbursed for the first year. The release of funding for the second year will be contingent upon the review of the annual progress report.

***1.2.3 Utilisation of funds***

1. The funds of the projects shall only be used for the purposes specified in the sanction letter vis-à-vis small equipment, consumables, contingencies and travel. The funds shall NOT be used for salary/honorarium payments to PhD students, JRF, SRF, staff, etc.

2. Any deviation from the budget or project duration requires prior approval from the competent authority

#### **1.2.4 Submission of Report**

1. PI is required to submit a project progress report after the completion of one year, which includes the submission of at least one research project to an external funding agency.

2. PI must submit a final technical report upon completion of the project, highlighting the achievements vis-à-vis proposed objectives, outcomes in terms of publications, and information on projects submitted to external funding agencies.

#### **1.2.5 Expected Outcome(s)**

The success of the project will be judged based on:

1. Submission of the project proposal to an external funding source and receipt of an external grant.
2. Publication of at least two papers in SCI/SCIE/SSCI journals, with acknowledgments of the funding and scheme.

### **1.3 Equipment Matching Grant for Faculty**

The aim of the Equipment Matching Grant scheme is to aid faculty members in strengthening their research capabilities by offering financial support for developing new capabilities and high-value research facilities in emerging fields, as well as for acquiring essential research equipment. The R&D Office will provide a matching grant of up to ₹35 Lakhs or an amount equal to the external funds secured by the faculty, whichever is lower. To qualify for this matching grant, faculty members must obtain external funding of an equivalent amount.

#### **1.3.1 Information required:**

1. Project details under which the equipment is sanctioned.
2. Amount of Equipment Grant Sanctioned by the funding agency & details thereof.
3. Amount of Matching Grant required from R&D
4. Equipment proposed to be purchased.
5. Justification to avail matching grant.
6. Names of other faculty/departments/centers/schools who/which can utilize the equipment.

### **1.4 Faculty Interdisciplinary Research Projects (FIRP)**

The aim of the Faculty Interdisciplinary Research Project (FIRP) scheme is to enhance interdisciplinary and collaborative research in the University. FIRP proposals are to be submitted by teams of two or more faculty members working in different departments/centres and having expertise in different disciplines.

These interdisciplinary research groups are anticipated to expand in size or merge with other research groups, thereby enhancing the level of expertise and research scope within a specific interdisciplinary theme. Furthermore, these interdisciplinary research groups are expected to attract significant support from external funding agencies and facilitate synergistic cross-

research activities among faculty members across the University, resulting in joint research publications, patents, and PhD supervisions.

Under this scheme, the R&D Office will annually solicit FIRP proposals. The teams whose project proposals are selected/awarded will receive a total grant of Rs. 10 Lakhs, with Rs. 5 Lakhs allocated as seed funding for the first year and remaining Rs. 5 Lakhs for the second year. The joint research team is required to submit at least one research project to a funding agency by the end of the first year.

#### ***1.4.1 Information required:***

- a. Project title
- b. Details of faculty members of the team (One of the team members to be listed as PI and the others as Co-PIs for administrative and accounting purposes)
- c. Objectives
- d. Origin and Importance of the Project
- e. National and International status of the project
- f. Methodology
- g. Interdisciplinary component of the project
- h. Importance and relevance of the research expertise of the collaborators towards the project
- i. Details of funding agency to which project proposal can be submitted after the first year.
- j. Budget breakup (maximum Rs 5 lacs per year)
- k. Details of Reviewer(s) from the University (Optional)

#### ***1.4.2 Selection of projects and funding***

Projects will be selected for funding purely on scientific merit and judged by a review committee constituted by the University. Sanction letter with a budget breakup will be released for the selected project to the Principal Investigator. Initially, fifty percent of the grant will be released for the first year. In exceptional cases, seventy-five percent of the grant may be released in the first year itself with the permission of the Dean R&D. The release of funding for the second year will be contingent upon the review of the annual progress report.

#### ***1.4.3 Utilisation of funds***

1. The funds of the projects shall only be used for the purposes specified in the sanction letter vis-à-vis small equipment, consumables, contingencies and travel expenses. The funds shall NOT be used for salary/honorarium/stipend payments for PhD students, JRF, SRF, staff, etc.
2. Any Deviation from the allocated budget or project duration requires prior approval from the competent authority.

#### ***1.4.4 Submission of Report***

1. PI is required to submit a project progress report upon the completion of one year. This report must include the submission of at least one research project to an external funding agency.
2. Following the completion of the project, the PIs are obligated to submit a final technical report, highlighting the achievements vis-à-vis proposed objectives, outcomes in terms of publications and details regarding projects submitted to external funding agencies.

#### **1.4.5 Expected Outcome(s)**

The success of the project will be judged based on:

1. Submission of the project to an external funding source and receiving of an external grant.
2. Publication of at least two papers in SCI/SCIE/SSCI journals or a granted patent or achievement of Technology readiness level (TRL-1). The publications must acknowledge the funding and scheme.

#### **1.5 Multi-Institutional Faculty Interdisciplinary Research Projects (MFIRP)**

The goal of the Multi-Institutional Faculty Interdisciplinary Research Projects (MFIRP) is to promote collaborative research among partnering institutes, universities, and research laboratories, and to secure substantial support from external funding agencies. This scheme is applicable to institutions, universities, and research laboratories with which DTU has Memorandums of Understanding (MoUs) for MFIRP. The R&D office encourages faculty members to collaborate with counterparts from other institutions, both within India and internationally. The scheme provides funding to teams comprising faculty members from different institutions or universities, requiring at least two Principal Investigators (PIs), one from each participating entity. Additionally, PIs have the flexibility to include Co-PIs from the same or different departments without any additional financial implications.

##### **General Guidelines**

##### **I) Funding & Duration**

1. The project duration and grant can vary depending on the collaborating Institute.
2. In general, the project duration ranges from 6 months to 2 years.
3. The supporting grant typically amounts to approximately Rs. 5 Lakhs per year from DTU, with a matching contribution expected from each of the collaborating institute, university, or research laboratory.

##### **II) Submission of Project**

1. The complete MFIRP proposal should be submitted by the PI from DTU to the Dean R&D.
2. Each team is allowed to submit only one proposal at a time.
3. The PI from the other institutes/universities must also submit one printed copy of the same proposal to the respective office of the collaborating institute/university, following the provisions outlined in the call.

##### **III) Selection of projects**

1. Projects will be selected for first-phase funding purely on scientific merit, as evaluated by a joint review committee established by all the involved Universities/institutes.
2. Out of the selected project proposals, DTU PI will be awarded Rs. 5 Lakhs and a similar matching contribution to the other institute/university PIs from the collaborating Institutes for the first year.

3. The release of funding for the second year will be contingent upon the review of the annual progress report and the submission of a joint project proposal to an external funding agency.

4. To request a budget revision and tenure extension for the second year of funding and project tenure extension, the PI must submit a "Budget Revision & Tenure Extension" request.

#### **IV) Utilisation of funds**

1. The funds of the projects should only be used for the purposes specified in the sanction letter *vis-à-vis* consumables, contingencies and support staff salaries. The funds should NOT be used for supporting PhD students, JRF, SRF, etc. Additionally, supporting staff should not receive financial support from two funding sources simultaneously.

2. Funds may only be used for core research activities.

3. Any deviation from the budget/ project duration requires prior approval from the competent authority.

#### **V) Collaborative Activities**

Collaboration activities between the two universities/institutions may involve:

1. Incorporating project work as part of students' dissertation work. In such cases, the respective student will be jointly supervised by both the Principal Investigators (PIs) of the collaborating institutes.
2. Undertaking joint research projects aimed at advancing knowledge and addressing research challenges collaboratively.
3. Promoting and implementing any other form of partnership that is mutually beneficial to both DTU and the collaborating institute. Such partnerships will be jointly identified and executed by both entities.

#### **VI) Conflict Resolution**

The issues pertaining to Collaborative Research Agreement, Intellectual Property Rights, and joint supervision will be addressed in accordance with the guidelines outlined in the Memorandum of Understanding (MoU) between DTU and the collaborating institutes. These guidelines are detailed in the MoU document and provide a framework for managing collaborative research endeavors, addressing intellectual property concerns, and facilitating joint supervision arrangements.

#### **VII) Submission of Report**

1. An interim project progress report is required upon the completion of the first year, which should include the submission of at least one research project to an external funding agency and/or a project progress presentation.
2. It is expected that the joint research team will submit at least one research project to an external funding agency upon the completion of the first year.
3. Upon the completion of the joint project, the PIs are required to submit a final technical report. This report should outline the achievements in relation to the proposed objectives, including outcomes such as publications, patents, conference proceedings, etc.



Additionally, it should provide details on projects submitted to external agencies, following the format mutually agreed upon with the collaborating institute.

#### **VIII) Expected Outcome(s)**

1. It is expected that the synergistic 'cross-research activity' between faculty members of different collaborating institutes of these interdisciplinary research groups will attract strong support from external funding agencies, leading to high-impact research, publications in high-impact journals, patents and quality PhD work.

2. These projects are to be considered as a one-time seed grant and the success of these projects will be judged based on the external grants the team can generate and the number of publications, patents, technology developed/transferred, outreach, etc.

#### **IX) Call Schedule**

Subsequent calls for proposals will be announced depending on factors such the availability of funds, the success of previous calls, and opportunities of collaboration with other institutes.

**Note:** While general guidelines are provided in the project call for proposals, specific terms and conditions for foreign projects collaborating with foreign universities/institutes are formulated only after mutual agreement. Some criterion outlined in the guidelines may vary depending on the participating university/institute. For example, eligibility conditions, call duration, supporting funds, etc., may differ based on the partner university/institute.

## Annexure -IV

**POLICY FOR CORPORATE SOCIAL RESPONSIBILITY (CSR) AT DTU****1. Introduction**

The Companies Act 2013 under Section 135 has mandated business companies to spend a minimum of 2% of net profit of the three preceding financial years towards Corporate Social Responsibility (CSR). Schedule VII of Section 135 of the Companies Act 2013 stipulates that compliance with CSR is binding, if a particular company has an annual turnover of Rs. 1000 Crore or at least has a net worth of Rs. 500 Crore or earns a minimum net profit of Rs. 5 Crore. The CSR related provisions of the Act are applicable not just to companies incorporated in India, but also to a foreign company with a branch or project office in India.

**2. Activities eligible under CSR as per Schedule VII of the Companies Act**

Activities which may be included by companies in their Corporate Social Responsibility Policies Activities relating to:

- i. eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available safe drinking water
- ii. promoting education, including special education and employment enhancing vocation skills, especially among children, women, elderly and the differently abled and livelihood enhancement projects.
- iii. promoting gender equality, empowering women, setting up homes and hostels for women and orphans; setting up old age homes, day care centres and such other facilities for senior citizens and measures for reducing inequalities faced by socially and economically backward groups.
- iv. ensuring environmental sustainability, ecological balance, protection of flora and fauna, animal welfare, agroforestry, conservation of natural resources and maintaining the quality of soil, air and water
- v. protection of national heritage, art and culture, including restoration of buildings and sites of historical importance and works of art; setting up public libraries; promotion and development of traditional art and handicrafts.
- vi. measures for the benefit of armed forces veterans, war widows and their dependents,
- vii. training to promote rural sports, nationally recognised sports, paralympic sports and Olympic sports.
- viii. contribution to the prime minister's national relief fund or any other fund set up by the central government for socio-economic development and relief and welfare of the schedule caste, tribes, other backward classes, minorities and women.
- ix. (a) Contribution to incubators or research and development projects in the field of science, technology, engineering and medicine, funded by the Central Government or State Government or Public Sector Undertaking or any agency of the Central Government or State Government;

(b) Contributions to public-funded Universities; Indian Institute of Technology (IITs); National Laboratories and autonomous bodies established under Department of Atomic Energy (DAE); Department of Biotechnology (DBT); Department of Science and Technology (DST); Department of Pharmaceuticals; Ministry of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH); Ministry of Electronics and Information Technology and other bodies, namely Defense Research and Development Organisation (DRDO); Indian Council of Agricultural Research (ICAR); Indian



Council of Medical Research (ICMR) and Council of Scientific and Industrial Research (CSIR), engaged in conducting research in science, technology, engineering and medicine aimed at promoting Sustainable Development Goals

- x. rural development projects
- xi. slum area development.

### 3 Projects under CSR applicable to DTU

- a. The projects under CSR which are applicable to DTU as a State University as per Item No. (ix) above are: Contribution to incubators or R&D projects in the fields of science, technology, engineering, and medicine,
- b. Contributions to public funded Universities engaged in conducting research in science, technology, engineering, and medicine aimed at promoting Sustainable Development Goals (SDGs).

### 4 Delhi Technological University CSR Fund Policy

- (a) Delhi Technological University can receive funds through CSR from companies within the purview of its recognition as a state university. The funds will be received in the Account of the Corporate Relationship Office.
- (b) These funds may be utilized for realizing the vision and mission of the University in *Research & Development Projects, Incubation and research related to Sustainable Development Goal (SDG)*, which also fits the criteria for companies to donate funds for CSR under section 135 and amended scheduled VII of Companies Act 2013.

### 5 Objectives

The major objectives of the “DTU CSR Fund Policy” are as follows:

- (a) To address expectations of possible CSR contributors through structured engagement and communication process, clearly define CSR policy/strategy for general understanding and leverage this understanding to augment resources and services.
- (b) Identification of avenues for incubation, research & development **-project identification in the University.**
- (c) Identification of CSR initiative data bank of public and private corporate/companies.
- (d) Scanning of companies’ profile for creation of CSR opportunity and avoidance of conflict of interest-screening of companies for initiation of proposals as per the project profile.
- (e) Standard policies and processes for execution of CSR projects- **Standard MOU format/clauses.**
- (f) Organized internal structure for approval & implementation of CSR projects.

## 6 Scope

The policy applies to all organization (public and private corporate/companies) who want to contribute funds to the University as qualified CSR contributors (by Companies Act 2013) within the purview of guidelines for qualification criteria issued by DTU for CSR fund contribution.

## 7 Role of Corporate Relationship Office

1. Communicate with possible CSR contributors and address their expectations through structured engagements.
2. Execute MOU with the CSR contributors for the project.
3. Formulate CSR fund policy.
4. Identify possible CSR contributors and scan their profiles for the creation of CSR opportunities.
5. Comprehensively monitor and evaluate mechanisms to ensure that the CSR process at DTU.
6. Identification of avenues for capacity building/augmentation in their respective fields.
7. Prepare project/ program proposals for raising CSR funds.
8. Implementation of project or program after receipt of CSR funds.
9. Monitor progress of the project or program
10. Optimal utilization of the CSR funds.
11. Submission of report and returns.

## 8 Procedure of CSR Partnership

- a) Details of Chief operating officer & executive manager (Industry Liaison), including the contact address, E-mail ID and contact number, shall be published on the University website for communication with possible CSR contributors. Interested corporate houses may forward their proposals to the Chief Operating Officer & Executive Manager (Industry Liaison), DTU Delhi.
- b) Proposals will be matched with the identified requirements of the University. If found suitable, they shall be put up for approval from Dean Corporate Relationship.
- c) A joint MOU will be signed between Delhi Technological University and the corporate house to undertake the CSR project jointly for a specified period.
- d) The funds will be received in the Account of Corporate Relationship Office.
- e) The funds will be utilized as per MoU.

## 9 Accounting and Auditing Mechanism

Mechanism defined in UGC Act 1956 for audit purposes & relevant applicable norms, including Accounting and Auditing Guidance Note/Standard Rules, duly approved by Ministry of Finance, GOI including GFR Rules 2017 and CAG Audits will be followed.

## 10 Conclusion

These policy guidelines would form a broad framework around which CSR activities of the University would be undertaken. Corporate Relationship Office can undertake any other activity in consonance with DTU Act with approval of Vice Chancellor, DTU.

**Annexure-V****POLICY FOR CHAIR PROFESSORSHIP AT DTU****1. Preamble**

To foster research and innovation in emerging fields that benefit society, the University plans to establish several prestigious chair positions with financial and technical support from various sponsors, such as industry partners (both public and private sector), alumni, and other individuals or institutions. The University aims to attract distinguished academics and industry experts from around the world to these chair positions and enable them to pursue their research and other activities in line with the objectives of the chair. This initiative is not only a part of the University's faculty recruitment and development efforts, but also a recognition of the excellence and honour of the appointees. To ensure the sustainability and smooth operation of this initiative, the University has devised some procedural guidelines to manage this initiative.

**2. Procedures****2.1 Chair Memorandum of Understanding (MoU):**

- a. This would be the additional guiding document prepared in agreement with the Donor and the University in the matter of the Chair Position.
- b. This would lay out the charter: detailing objectives, expectations, terms & conditions and additional requirements with regards to discipline or area, if any.
- c. Validity of this MoU would be Ten years with an option of reviewing it for renewal every ten years.

**2.2 Eligibility**

- a. Outstanding Academician (Teacher or Researcher) with a proven track record OR a professional with rich industrial experience in Research & Development.
- b. Further, this appointment would be made against the available faculty positions (including regular, visiting, Emeritus). It is open to candidates within the University or outside. In case of a candidate from outside the University, the person would have to be appointed as a visiting faculty before a formal appointment in the Chair position.
- c. Further, if the Chair Charter or MoU for establishing the Chair, identifies a specific area and/or an expertise, then candidates having the requisite abilities only would be eligible.

**2.3 Duration**

- a. The position would be offered for an initial period of two terms: three years and two years.
- b. The latter two-year term would be subject to a comprehensive review at the end of the third year.
- c. Five-year duration cannot extend beyond the employment term as a faculty (Regular, Visiting, Emeritus).
- d. After completion of the five years, if an individual would like to be re-appointed, then the candidate has to go through the same process with other candidates can be re-appointed.

## **2.4 Designation:**

The designation of this position would be: “*SPONSOR-TITLE Chair Professor*”. Here “SPONSOR-TITLE” would be the title prefix mutually agreed upon by the sponsoring individual or organization. It can also reflect the charter/objective of the chair.

## **3 Research Grant**

a. An initial research grant of INR 10 lakhs (Ten lakhs) would be allocated to appointee from endowment fund as Corporate Professional Development Fund (CPDF) through Corporate Relationship Office.

b. The grant can be used for any academic purpose, including but not limited to:

i. Recruiting researchers

ii. Undertaking domestic/ international travel by appointee or his/her research team member(s)

iii. Incurring travel expenses of collaborators invited from outside to the University.

iv. Incurring expenses towards procuring equipment, supplies etc.

v. Incurring Expenses towards undertaking specialized training and avail support services.

vi. An Honorarium per month to the Chair Professor for the appointment duration.

c. The appointee will manage the grant like a research project.

d. The unutilized grant will be put back into the endowment fund for future chair appointments.

e. Unless otherwise agreed to by the Vice Chancellor/Dean -Corporate Relationship, the following indicative breakup shall be followed in utilizing the grant left after deducting the appointee’s honorarium, up to 60% for travel; up to 25% for training; up to 100% for research team members, equipment and supplies; up to 25% for support services.

f. The grant will depend upon the earnings that accrue from investing the corresponding corpus of the Chair, or as agreed upon in the Chair MoU. In the case or annual recurring donations towards the chair, the grant amount would be allocated annually as per the annual donor contribution to the Chair.

## **4 Salary and Benefits:**

The compensation and benefits would be offered as per the normal faculty (regular, visiting, emeritus etc.) terms of appointment. In addition to this, as stated above, an additional honorarium would be offered, which is subject to appointee’s discretion to avail.

## **5 Teaching and Research Commitments:**

The regular expectations of a faculty role and responsibilities would apply with regards to teaching, research and other administrative tasks. Over this base expectation, the appointee is expected to fulfil the objective of the Chair as per the Chair MoU.

## **6 Intellectual property rights:**

University rules and guidelines would apply in case of dealing with intellectual property by faculty and/or their researchers (or collaborators).

## **7 Selection Process:**

a. University level Selection Committee consisting of eminent people from all major disciplines would be constituted. The committee would have the following members:-

- i. Chairman: Vice Chancellor, DTU
- ii. Two Eminent Academicians (Nominated by Vice Chancellor)
- iii. Dean of Corporate Relationship, DTU
- iv. Invited Member: Chair Donor or Donor's Nominee (invited only for respective chair position)
- v. Invited Member: Head of the Department (If the MoU requires)
- vi. Associate Dean-Corporate Relationship /Chief Operating Officer as member secretary

b. All applications against the rolling advertisement of Chair Professors would be processed by this committee twice a year.

c. This committee would be empowered to appoint a "visiting faculty" if the candidate is not from the University.

d. The Vice-chancellor may appoint a Search Committee or a Screening Committee. Its members may be chosen from a discipline, area or expertise, if explicitly stated in the Chair MoU.

## **8 Legal:**

Guidelines to handle disagreements and any legal disputes (including but not limited to financial payments, discontinuation of the Chair etc.) would be handled as per the norms laid down in the Chair MoU.

These guidelines are subject to revision from time to time, as needed by the Vice Chancellor. However, the final guidelines would have to be approved by the Board of management before their enforcement or implementation. Subsequently, they would have to be notified to all faculty and the general public through appropriate channels, including the University official website.



## Annexure-VI

## POLICY FOR TECHNOLOGY TRANSFER AT DTU

## 1 Preamble

Delhi Technological University (DTU), is committed to advancing knowledge, fostering innovation, and contributing to the betterment of society through research and development. Recognizing the transformative potential of intellectual property (IP) generated within its academic community, DTU acknowledges the importance of a comprehensive policy that facilitates the transfer and utilization of such innovations for the benefit of society. The proposed DTU policy on the transfer, revenue sharing and use of IP is rooted in the understanding that the translation of intellectual property into tangible products and services. In alignment with DTU's mission, this policy seeks to strike a balance between incentivizing inventors and catalyzing the integration of technological advancements into the market. The policy recognizes that commercialization plays a pivotal role in bridging the gap between research outcomes and societal impact. Furthermore, the Technology Transfer and Revenue Sharing Guidelines have been formulated with the overarching objective of disseminating technologies developed by DTU to the industry. The framework ensures a seamless technology transfer and fosters collaborations with industries for growth and development. In essence, DTU's Technology Transfer Policy aims to create an environment that not only encourages innovation within its academic community but also facilitates the integration of these innovations into the broader economic landscape, ultimately contributing to the national agenda of self-reliance and industrial development.

## 2. Definitions

- **Applicable Agreements:** Refers to agreements that the Grantee or Licensee must execute under various categories, to which the provisions of revenue sharing shall apply.
- **Commercialization:** In relation to Intellectual Property, it encompasses the use, manufacture, sale, advertising, promotion, distribution, hiring, supply, or disposal of any product manufactured using the Intellectual Property. This also includes the assignment, licensing, or sub-licensing of the Intellectual Property to third parties.
- **Competent Authority:** An officer, employee, or any person legally delegated or vested with the authority to perform a designated function by DTU.
- **Confidential Information:** Encompasses technical, financial, business, or other information, in any form, disclosed or obtained by either Party, related to the terms of the agreement, research, development, inventions, products, production, manufacturing, finances, marketing, business plans, trade secrets, know-how, data, or other confidential communications.
- **Exclusive License:** Implies that only the named licensee has the right to make, use, or sell the licensed technology/IP for commercial purposes.
- **Grantee:** A person, institute, or organization, whether private, public, or government, receiving grant-in-aid funding or support from DTU at any stage from ideation to commercializing technology.

- **Intellectual Property (IP) or Intellectual Property Rights (IPR):** Encompasses patents, rights to inventions, copyright, moral rights, designs, trademarks, confidentiality rights, and any other registered or unregistered intellectual property rights, including applications, continuations, renewals, extensions, or equivalents worldwide. It includes Technology, Licensed Patents, and Licensed Trademarks developed through DTU support.
- **Licensee:** Any business, organization, institute, or individual granted legal permission by DTU, in the form of a license, to commercialize the technology.
- **Net Sales:** Gross sales made by the company, its licensee, or its sub-licensee based on the Maximum Retail Price (MRP) of the product, excluding excise duty, GST, or any other levies, as defined by Indian Accounting Standards and certified by a Chartered Accountant.
- **Non-exclusive License:** Grants the licensee the right to make, use, or sell the technology for commercial purposes, while DTU retains the freedom to grant similar rights to other licensees.
- **Royalty Period:** Each consecutive period ending on March 31st, June 30th, September 30th, and December 31st, respectively, each year.
- **Sub-License:** The person to whom the Licensee grants a Sub-License to commercialize the Licensed Patents, its Improvements, and associated IP.
- **Technology:** Encompasses discoveries, inventions, processes, methods, know-how, and Intellectual Property expressed in various forms, developed under DTU Programs. It includes technical information, processes, procedures, trial materials, methods, formulae, protocols, software, specifications, instructions, data, documents, drawings, images, prototypes, and materials related to Licensed Patents and Improvements.

### **3 Mode of Technology Transfer:**

The technology(ies) developed through DTU's funding support can be transferred to suitable Licensee(es) in accordance with the following categories:

- Limited period Non-Exclusive License/s without transfer of Intellectual Property (IP) rights
- Region/country-specific Exclusive License without transfer of IP rights
- Limited period license granting Exclusive Marketing Rights without transfer of IP rights
- Outright sale of IP Rights
- Sub-licensing: In the case of sub-licensing, the industry must obtain prior permission from DTU. DTU may consider sub-licensing the technology(ies) on a case-by-case basis, subject to mutually agreed terms and conditions, as well as in accordance with prevailing Government of NCT of Delhi/India policies and regulations. This consideration is made to fulfill the mandatory/statutory requirements of other countries.
- Any other mode with due justifications

### **4 Eligibility Criteria for Applicants:**

Applicants fulfilling the specified eligibility criteria are deemed eligible to submit applications for licensing/material transfer under DTU's Technology Transfer and Revenue Sharing Policy.

- A. Company (Start-up, Small, Medium, or Large) incorporated under the Companies Act 2013, with a minimum of 51% of the shares held by Indian Citizens.
- B. Limited Liability Partnership (LLP) incorporated under the Limited Liability Partnership Act, 2008, with a minimum requirement that half of the persons subscribing to the



LLP document as its Partners should be Indian citizens. (Note: The applicant Company/LLP must possess adequate in-house facilities for project implementation and product manufacturing in compliance with CGMP/regulatory requirements). The Company should hold a DSIR (Department of Scientific and Industrial Research) certificate or be incubated with a recognized incubation facility, having suitable tie-ups for product manufacturing.)

C. Technology transfer to a Foreign Entity or an Entity with Foreign Equity is subject to approval by the Competent Authority of DTU. Such transfers will be exclusively on a non-exclusive basis, with the stipulation of making the product accessible at an affordable/negotiated price to those most in need within India, as determined by DTU and the Government of India.

D. Applicants must demonstrate capabilities in product development and scale-up.

E. The applying company should have a minimum of three years of existence, actively engaged in the field of technology related to the licensing area. (Note: Provisions D and E above may be waived for start-up companies.)

These eligibility criteria underscore DTU's commitment to ensuring that technology transfer is aligned with the principles of inclusivity capability, and that it focuses on meeting the needs of the Indian population. The provisions are designed to encourage a diverse range of entities, including start-ups, to participate in the technology transfer process while maintaining a high standard of competence and commitment to societal impact.

## **5. Ensuring Fair Opportunity for Technology Transfer:**

DTU is committed to providing an equitable opportunity for all companies, individuals, and potential licensees to explore and engage in licensing opportunities for technologies developed through DTU's funding support. The University strongly emphasizes transparency and openness throughout the entire process, including the call for applications, the shortlisting of applicants, and the selection of companies for technology transfer. To achieve this, DTU will:

- Disseminate detailed information about the technologies available for transfer through various mediums such as publications, bulletins, newsletters, journals, magazines, etc., associated with DTU. Technology briefs will be prominently featured on DTU's website and circulated through agencies enlisted by DTU to facilitate bilateral technology transfers and collaborations.
- On a case-by-case basis, DTU will invite expressions of interest through its official website and other relevant channels. This approach ensures a broad outreach, encouraging diverse stakeholders to participate in the technology transfer process and fostering a transparent and inclusive environment.

## **6. Relevant Agreements in the Technology Transfer Process:**

Throughout the technology transfer process, various agreements play a crucial role in facilitating a smooth and transparent exchange. Prior to divulging any confidential information, an initial step involves entering into a **Non-Disclosure Agreement (NDA)** with the potential licensee. This agreement ensures the safeguarding of confidential information related to the technology, allowing the potential licensee to conduct due diligence.

Another essential agreement in the process is the **Material Transfer Agreement (MTA)**. Under the MTA, the laboratory or institute can transfer pertinent materials, including molecules, protocols, reagents, antibodies, etc. These transferred materials often play a pivotal role in the development and commercialization of the technology.

For the actual transfer of technology, a **License Agreement (LA)** is executed between DTU and the licensee, facilitating the formal transfer of the technology. This agreement outlines the terms and conditions governing the utilization of the technology.

To initiate discussions regarding the transfer of materials and/or technology, a **Memorandum of Understanding (MoU)** is established. This agreement serves as a foundational document for outlining the framework and intentions of the parties involved in the transfer process.

The details of the Legal Agreements to be entered are as follows: -

- **Non-disclosure Agreement (NDA):** Before deciding on technology licensing from DTU, prospective licensees may seek to conduct due diligence for a comprehensive understanding of the technology. To safeguard DTU's intellectual property, it is imperative to enter into an NDA with the prospective licensee. This agreement serves as a prerequisite, allowing the prospective licensee to carry out due diligence to validate claims about the technology.
- **Material Transfer Agreement (MTA):** DTU engages in the transfer of materials, such as molecules, protocols, reagents, antibodies, to various government and private institutes/organizations for research and development purposes. Prospective licensees may also express interest in obtaining samples of the product/technology developed for due diligence. In such cases, a Material Transfer Agreement is essential, serving as a prerequisite for providing materials for research, development, and due diligence while safeguarding DTU's intellectual property.
- **Licensing Agreement (LA) for Transfer of Technology:** The Licensing Agreement is executed between DTU and the licensee and encompasses technology licensing terms. The terms of this agreement are crafted in accordance with the present guidelines.
- **Memorandum of Understanding (MoU):** At the initial stages of negotiations for the transfer of materials and/or technologies, it is sometimes necessary to execute a Memorandum of Understanding (MoU). This serves as a starting point, defining the scope and purpose of the collaboration. The understanding established through the MoU is then implemented through a detailed agreement, specifying specific terms and conditions.

#### **7. Handholding Support by DTU:**

DTU Faculty/Scientists will provide handholding support to ensure the successful transfer of technology, including know-how, to the licensee for further development and commercialization. If travel by DTU scientists is required to facilitate technology transfer and provide handholding support, the associated expenses, including boarding and lodging charges for both DTU and non-DTU staff, will be born by the licensee as per actuals and government rules.

#### **8 Technology Transfer Document (TTD):**

A Technology Transfer Document (TTD) is crucial to facilitate a seamless transfer of DTU technology to the licensee. Following the transfer, essential documents covering the know-how of the technology, including relevant details, drawings, product information, essential process details, process parameters, and packaging/handling information, will be provided to the licensee.

## 9 Technology Transfer Fees and Royalty Sharing:

- **Technology Transfer Fees:** For the licensing of technologies, an upfront payment will be applicable, determined on a case-by-case basis through technology valuation. The upfront payment can be made either as a one-time payment based on the Technology Readiness Level (TRL) of the licensed technology or as staggered payments linked to the achievement of specific milestones.
- **Royalty from Net Sales:** Grantees/Licensees of DTU involved in the commercialization of DTU technologies are required to make royalty payments from 'Net Sales.' The term 'Net Sales' refers to the gross sales conducted by the company, its licensee, or its sub-licensee, based on the Maximum Retail Price (MRP) of the product. This excludes applicable excise duty, Goods and Services Tax (GST), or any other levies, as defined by the Indian Accounting Standards and certified by a Chartered Accountant. Royalty payments are to be calculated as a percentage of the net sales, ensuring a fair and transparent mechanism for revenue sharing in the commercialization process.
- **Variation in Technology Transfer and Royalty Fees:** There could be variations in Technology Transfer Fees and Royalty Fees structure for the same technology when non-exclusive licenses are considered at different points in time. These variations could be attributed to the following reasons:
  - Licensing Regions
  - Mode of Technology Transfer
  - Size of the companies/Technology Transfer seekers
  - Market penetration capability of the companies/Technology Transfer seekers

## 10. Sharing of Revenue Between DTU and Inventor(S)

The protection of IP serves, among other purposes, as an incentive for individuals associated with DTU, encouraging research endeavours that lead to marketable products or processes, ultimately generating revenue for DTU. As a guiding principle, DTU has established a policy to share the revenue derived from IP monetization among various stakeholders.

In addition to DTU, these stakeholders include inventors, affiliated academic entities of DTU, and administrative entities engaged in IP management and commercialization. DTU retains the authority to determine the respective shares allocated to different stakeholders involved in the creation and dissemination of IP, and such allocations may be periodically reviewed and adjusted.

Notably, the revenue share allocated to the inventor(s) is designed to persist even after their association with DTU concludes. The administering entity will develop procedures to facilitate this continued revenue sharing, ensuring a fair and sustained mechanism for recognizing the contributions of inventors in the ongoing success of IP monetization.

## 11. Noncompliance and Conflict of Interest:

Every inventor at DTU bears the responsibility for adhering to government regulations, as well as the policies and ordinances set forth by DTU, concerning the development and utilization of intellectual property (IP). In the course of implementing the IP policy of the Institute, all faculty members and inventors are obligated to steer clear of potential and mutual conflicts of interest.

## 12. Jurisdiction:

In the event of any disputes arising in connection with the implementation of intellectual property rights (IPR), the designated jurisdiction shall be limited to Delhi.

**13. Review and implementation:**

In case of any unforeseen requirements, the direction/decision of Hon'ble Vice Chancellor shall be final and binding. The policy will be reviewed as and when required.

# PROPOSAL FOR ESTABLISHING CENTRE FOR COMMUNITY DEVELOPMENT AND RESEARCH AT DTU

## 1. INTRODUCTION

A Centre for Community Development and Research (CCDR) is planned at DTU for the well-being and sustainability of local communities including marginalized communities. The focus is often on grassroots initiatives, social justice, and community empowerment. The CCDR places a dual emphasis on community development and academic research. In addition to practical community-focused initiatives, there is a strong commitment to conducting research that contributes to the academic understanding of community development processes. The CCDR will be a multidisciplinary research centre to develop technologies related to rural and urban communities. The primary focus of the proposed centre will be on the local societal problems of the community and their technical solutions to enhance the sustainable livelihood of communities. The centre shall focus on frugal innovation to suggest cost-effective solutions for community problems within the limited resource framework of a developing country like India.

CCDR will engage in capacity-building, and the implementation of projects that address the unique needs of specific communities. CCDR may work with residents, community leaders, and local organizations to foster economic development, social inclusion, and environmental sustainability. Also, it will conduct research to generate knowledge about effective community development strategies. This research may involve studying the impacts of interventions, exploring community dynamics, and identifying best practices.

### 1.1 Vision

The Centre for Community Development and Research aims to foster inclusive growth, sustainable livelihoods, empower communities including marginalised groups, and promote environmental sustainability to create resilient and equitable societies.

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## 1.2 Mission

- a. To Promote Sustainable Livelihoods: Work towards the creation of economic opportunities and resources that enable community members to sustain themselves and thrive.
- b. To Foster Inclusive Growth: Implement programs and initiatives that ensure the benefits of development are shared equitably among all community members, prioritizing marginalized and vulnerable groups.
- c. To Uplift Every Community Member: Design and implement projects that address the unique needs and challenges of individuals within the community, ensuring that no one is left behind in the development process.
- d. To Empowerment Community: Develop and facilitate programs that empower local communities to actively participate in decision-making processes, take ownership of their development, and build their capacities for self-sufficiency.
- e. Environmental Sustainability: Integrate sustainable practices into community development projects, emphasizing environmental conservation, responsible resource management, and resilience to climate change.
- f. Collaborate for Impact: Establish collaborative partnerships with local and international organizations, government agencies, and stakeholders to leverage resources, expertise, and support for more impactful community development initiatives.
- g. Monitor and Evaluate Impact: Implement robust monitoring and evaluation systems to assess the effectiveness and impact of community development initiatives, continuously learning and adapting strategies for greater success.
- h. Facilitate Knowledge Sharing: Promote the exchange of knowledge and best practices among communities, researchers, and development practitioners to create a network of learning and collaboration for sustained positive outcomes.

## 1.3 Activities of the Centre

The major activities of the centre shall include but not limited to:

- a. It will execute joint research and consultancy projects.
- b. It will offer core and elective courses for the undergraduate and postgraduate students
- c. It will provide resources and facilities to the researchers including PhD scholars working in the similar domains.  
It will execute masters (optional) and doctoral programmes.
- d. It will allow undergraduate and postgraduate students to work on research projects

- 77 -

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- e. It will facilitate experiential learning in collaboration with industry.
  - f. It will organize training programmes, certification courses, development programmes, national and international conferences.

## 2. Functioning of the Centre

CCDR will have mainly three verticals namely, Research Projects and Consultancy (RPC), Training and Capacity Building, and Academic Programs. The details of these three verticals are as follows:

### 2.1 Research Projects and Consultancy (RPC)

RPC vertical shall follow the below mentioned steps for its effective functioning

- a. Suggesting research agenda based on problem statements as per the need of Community, Government, Autonomous Bodies, Private Sector Organizations, etc.
- b. Sharing/mapping the problem statements among the research community within the university.
- c. Suggesting various Government/Non-Government funding schemes for conduction research and developing innovative solutions.
- d. Suggesting avenues for commercialization of the solutions and transfer of technology.
- e. Develop a communication strategy to disseminate research findings, best practices through publications, workshops, conferences, online platforms social media, websites, newsletters, and media relations, to reach diverse audiences.

The following models are proposed to implement the above strategic steps:

**2.2.1 CO-Design and Participatory Model:** The proposed model Co-Design and Participatory model is shown in Figure 1. The following stages are required to be followed to develop an effective solution.

- a. *Identify*: “Defining the right problem is the only way to create an effective solution” In this stage, the Problem repository is created by identifying and screening the unmet needs of the community.
- b. *Create*: To develop innovative solutions by ideating and generating the broadest range of possibilities. Also, create intellectual property.
- c. *Implement*: To bring innovations to the real world as commercial products by creating business strategies and starting new community development-related companies/ startups. In future the other models will be developed/adopted as per the global best practices.



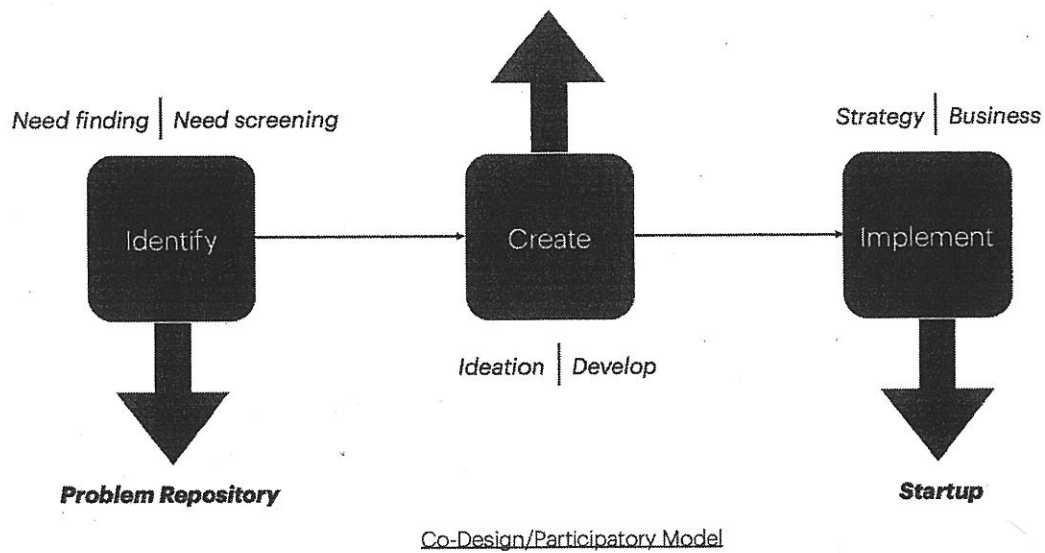


Figure 1: Co-Design /Participatory Model

### 2.2.2 Fellowship Model

In the Fellowship model (Figure 2) CCDDR seeks aspiring professionals from diverse backgrounds (I.e., Engineering, management, Design, Social Sciences) and aims to bring meaningful change to the community. The CCDDR Fellowship presents a distinctive chance to innovate solutions by using the Co-Design/Participatory and targeting the unmet needs of the community . The program nurtures fellows to create intellectual property and form startups.

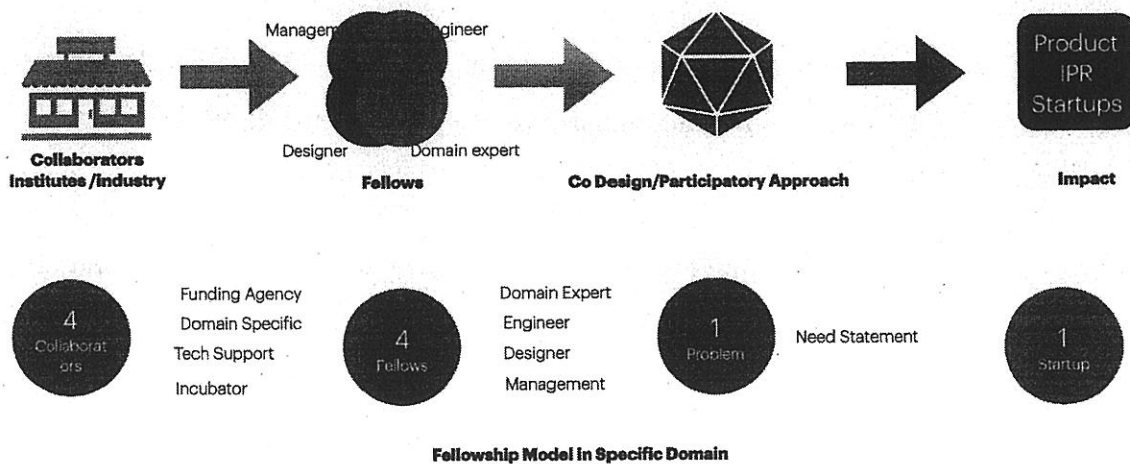


Figure 2: Followership Model

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## 2.2 Training and capacity building

To make the training programs responsive to the needs of target communities and effectively contribute to sustainable development outcomes the following process will be followed: The flow chart of Training and Capacity Building as shown in figure 3.

**2.2.1 Identify Training Needs:** Training needs will be identified through surveys and assessments within target communities. Existing skills and knowledge gaps will be analysed. Also, the stakeholders will be involved to understand their needs and priorities.

**2.2.2 Develop Training Curriculum:** A curriculum tailored to the identified needs will be designed. Interactive and participatory learning methods will be included. The case studies and practical exercises relevant to community development will also be incorporated.

**2.2.3 Pre-Training Preparation:** Training venues and necessary equipment will be arranged. Training materials, handouts, and visual aids will be prepared. Training schedules and logistics will be communicated to participants. Trainers with expertise in relevant fields will be hired. Few sessions will be conducted for Training-of-trainers if necessary to ensure trainers understand the context and objectives of the program.

**2.2.4 Conduct Training Sessions:** Interactive training sessions according to the curriculum will be delivered. Participation and engagement from participants will be encouraged.

*Monitor and Evaluate:* Feedback from participants during and after training sessions will be gathered. The effectiveness of the training in meeting objectives will be assessed. Areas for improvement and adaptation will be identified.

**2.2.5 Post-Training Support:** Ongoing support and resources to participants will be provided. Networking and knowledge-sharing among participants will be facilitated.

*Impact Assessment:* The impact of the training on individual participants and their communities will be measured. The changes in knowledge, skills, and behaviour shall be evaluated. The broader impact on community development outcomes will be assessed .

*Feedback and Iteration:* The feedback from participants and stakeholders will used to refine future training programs. Training approaches based on lessons learned will be continuously adapted.

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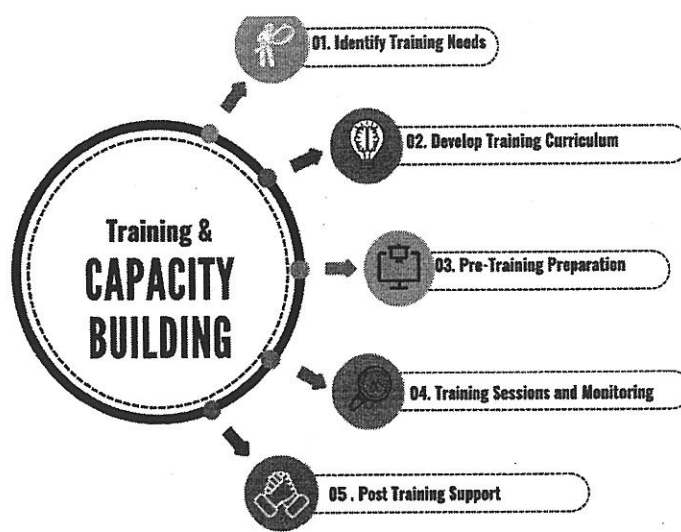


Figure 3 Training and Capacity building flowchart

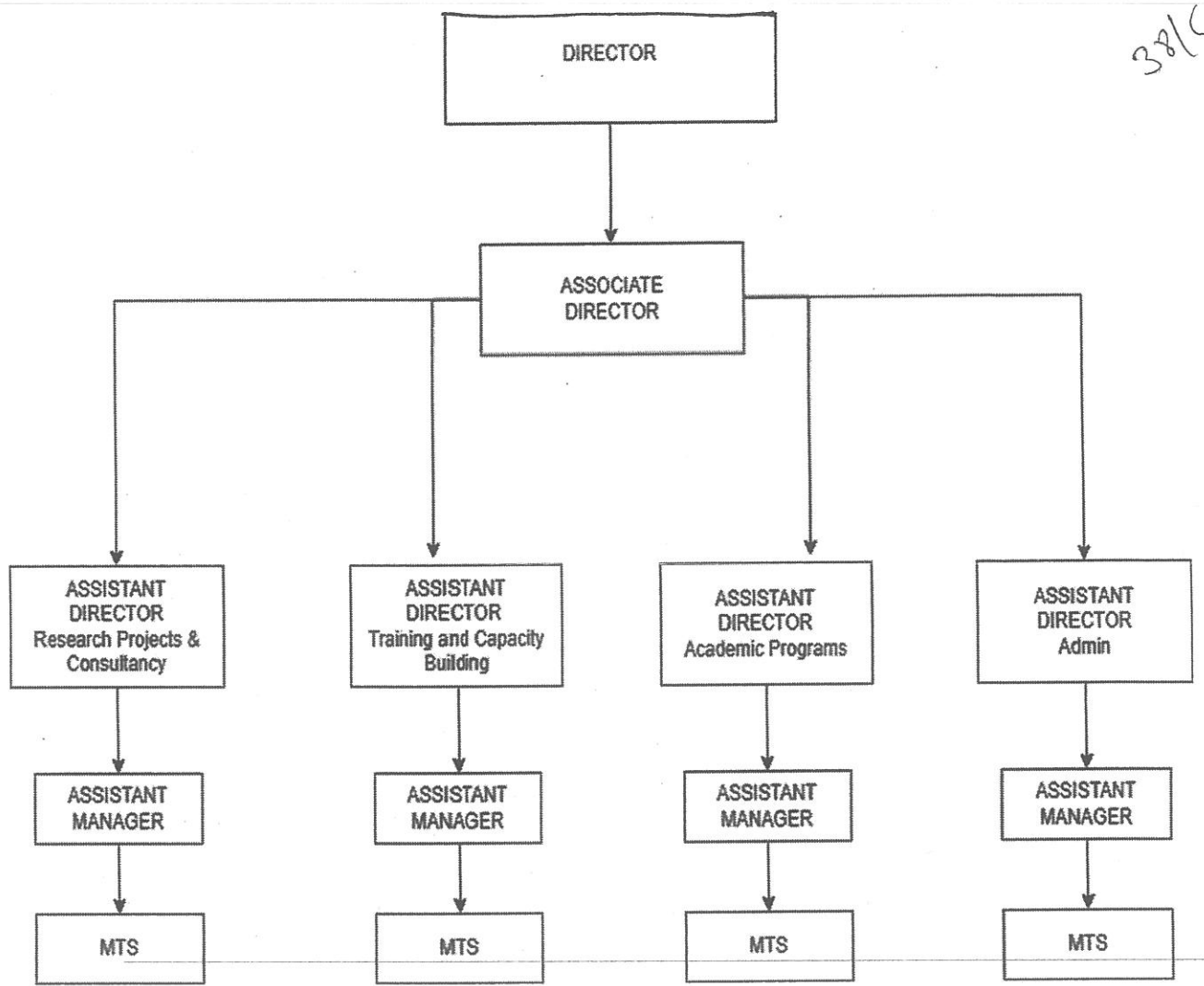
### 2.3 Academic Programs:

To start with, CCDR will offer a PhD program. Later, masters programs and certificate courses will be floated as per the societal/market need.

### 3. Administrative Structure:

The CCDR's administrative structure as shown with the help of figure 4.

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376

#### 4. Centre Advisory Committee

Centre Advisory committee should be provisioned to provide strategic direction and review of the Centre.

S.No.	Name	Designation
1	Hon'ble Vice Chancellor	Chairperson
2	Dean IRD	Member
3	Dean Corporate Relations (if applicable)	Member
4	Two Experts from Industry	Member
5	One Expert each from Govt/PSU/NGOs	Member
6	One academic outside Experts	Member
7	Head Incubator	Member
8	Director CCDR	Member Secretary

#### 5. Infrastructure

To start the functioning of the Centre of Community Development and Research, a minimum of 3000 sqft furnished area may be provided. Later a committee headed by the Head of the centre may work out the additional infrastructural requirement.

#### 6. Sustainability model/Resource mobilization:

A Community Development Research Centre addresses societal issues and provides practical exposure to students & researchers. The initiative will involve collaboration between academia, industry, and society, with stakeholders providing problem statements, specifications, funding details, and market studies for evaluation. The centre will also focus on patenting and commercializing developed products to drive economic growth and create job opportunities. The centre will also strengthen inter-disciplinary research to increase innovation alliances with other DTU departments as well as the industry. The Department will strengthen innovation through interdisciplinary development areas, increase collaboration with external partners, networks, and organizations, increase cooperation with other DTU departments and international universities.

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Developing a sustainability model (see Table 1) for the centre for community development and research involves integrating various elements to ensure long-term viability and impact. Relying on diverse funding sources reduces dependency on any single donor or revenue stream. This can include grants, government funding, donations, fee-for-service, academic programs, etc. as described below:

1. **Grant-in aids and Projects:** The centre will seek initial funding from university/govt. A number of projects offering solutions of problems in reference to arious SDGs will be submitted to the concerned govt. Agencies and industries for funding. Centre would like to establish strong relationships with grant-making organizations and maintain transparent communication
2. **Fee-for-Service Programs:** The centre will offer fee-based services such as consulting, training, workshops, or educational programs related to community development and research. These programs can generate revenue while also providing valuable services to the community.
3. **Fee for Academic Programs:** The centre is planning to start various academic programs. To start with, a Ph.D. program will be stated with the inception of the centre and later on other PG programs will be started. The fee gathered through these academic programs will help to self sustain the centre.
4. **Technology Transfer and Licensing:** The research output of the various projects and startups under the centre will be the intellectual property of the centre which can be sold to industries and other interesting agencies.
5. **Donations and Endowment Building:** The centre expects generous funding from the university alumni. Moreover, the other donors will be encouraged to contribute to the endowment, which can be invested to generate returns over time.

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**Table 1 CCDR Self-sustained model**

Head	Projection for one year
Project overheads	@0.1*1000000*5/3= 1,66,666/-
Fee for service - training workshop	@2000*3*50=3,00,000/-
Fee for service - consultancy	2,00,000/-
Technology transfer and licensing	5,00,000/-
Fee for academic programs	10, 00,000/-
Donations	30,00,000/-
Total	51,66,666/-

**7. Provision of Section 8 Company**

A section 8 company for the centre will help in applying various projects to the Govt., funds under CSR, and industry for the growth of the centre.

**8. Partnership and collaborations**

The Centre for Community Development and Research thrives on building strong partnerships and collaborations. By working alongside community-based organizations, academic institutions, and government agencies, the Centre can achieve a more comprehensive understanding of community needs. These partnerships allow the Centre to leverage the unique strengths of each group. Community organizations bring invaluable local knowledge, while academic institutions provide research expertise. Collaboration with government agencies ensures that research and development efforts translate into impactful policies and programs. Ultimately, these partnerships are instrumental in empowering communities and fostering lasting positive change.

**9. CCDR Estimated Budget:**

The proposed starting budget, as mentioned in Table 2, for the CCDR:

Table 2: Proposed budget for Centre for Community Development and Research



34/C

S.No..	Budget Head	Description	Cost per annum
1.	Recurring	<b>Manpower Cost: 04 Asst. Manager @40000/- PM</b> <b>04 MTS@18000/- PM</b> <b>08 Research Interns@15000/- PM</b> Salaries for full-time staff (project managers, researchers, administrative staff, etc.)	19,20,000 8,64,000 7,20,000
2.		<b>Operational Expenses:</b> Office supplies (stationery, printer ink, etc.) <b>100000-</b> <b>per annum</b> Travel expenses for fieldwork and meetings <b>200000/-</b> <b>per annum</b> Training and capacity-building workshops for staff <b>500000/- per annum</b>	8,00,000
3		<b>Research Expenses:</b> Conference attendance and presentation fees- <b>200000/-</b> <b>per annum</b> <b>2 teams of 4 Fellows each @50000/-Per fellow PM</b>	48,00,000
4		<b>Community Development Programs:</b> Outreach and awareness campaigns Workshops and skill development programs for community members	500,000/-
5		<b>Monitoring and Evaluation:</b> Costs associated with monitoring and evaluating projects Hiring external evaluators if necessary	500,000/-
6		<b>Miscellaneous Expenses:</b> Contingency fund for unforeseen expenses	300,000/-
7	<b>Non recurring</b>	Infrastructure & Furniture IT (Computer/server etc)	10,00,000/-
<b>Total</b>			<b>1,14,04,000</b>



# DELHI TECHNOLOGICAL UNIVERSITY

(Estd. By Govt. of NCT of Delhi vide Act 6 of 2009)

File No: DTU-IIF/NISP/06/2020-21/302

Date: 29.10.2022

## NOTIFICATION

**Subject – DTU Innovation and Startup Policy for Students and Faculty**

Hon'ble Vice Chancellor of Delhi Technological University has conveyed approval for DTU Innovation and Startup Policy for Students and Faculty.

  
(Prof. Madhusudan Singh)  
Registrar

Encl: DTU-Innovation and Startup Policy for Students and Faculty

File No: DTU-IIF/NISP/06/2020-21/302

Date: 29.10.2022

Copy to the following for information

1. PS to Hon'ble Vice Chancellor
2. Registrar
3. All Deans
4. All HoDs
5. Head Computer Centre with a request to upload on website
6. Librarian
7. Guard File

  
(Prof. Madhusudan Singh)  
Registrar



Delhi  
Technological  
University

Shahbad Daulatpur,  
Main Bawana Road,  
Delhi - 110042, INDIA

# DTU-ISP

Delhi Technological University  
Innovation and Startup Policy For  
Students and Faculty

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## ***ABSTRACT***

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### **DTU INNOVATION and STARTUP Policy for ‘Students and Faculty’**

Govt of India is keen on revolutionizing the Indian Education System by implementing several fundamental changes. The New Education Policy brings in several new concepts, the IKS (Indian Knowledge Systems) open up avenues to learn from the ancient Indian civilizational progress and so on. One of the fundamental change sought to be ingrained in the young impressionable minds is to train them to believe that they are not in an educational Institute to merely earn a certificate and then get enrolled on various employment portals, rather they are here to identify the societal problems, find optimal solutions to it and then develop a business around it and then give employment to others. Indian Govt is working in this direction through Niti Ayog, Ministry of Human Resource Development and various other ministries.

Ministry of Human Resource Development has come out with a Guiding Framework for Higher Education Institutions. These guidelines have been published under, ‘The National Innovation and Startup Policy 2019 for students and faculty of Higher Education Institutions (HEIs). These guidelines have been issued to enable the institutes to actively engage students, faculties and staff in innovation and entrepreneurship related activities. This framework is also to facilitate Ministry of Human Resource Development in bringing uniformity across HEIs in terms of Intellectual Property ownership management, technology licensing and institutional Startup policy, thus enabling creation of a robust innovation and Start up ecosystem across all HEIs.

In consonance with the guidelines issued by the Ministry of Human Resource Development, Delhi Technological University too has come out with its own Start up policy, titled, ‘*University Innovation and Startup Policy for ‘Students and Faculty’*’. The policy has been laid down in four sections, consisting of the preamble and background, provisions on core issues of the DTU Innovation and Startup Policy, specific issues in respect of faculty/staff, and certain specific issues regarding the students. This is the first edition of the policy and it will be supported by various other policies and instructions issued with the approval of competent authority from time to time. The policy will be taken up for review at an appropriate time. The policy encourages all the faculty, staff and students to make the best of use of it to develop and nurture an intellectually challenging and rewarding startup ecosystem in DTU.

# DTU INNOVATION AND STARTUP POLICY

Contents		PageNo.	
		From	To
1.0	Introduction	5	8
1.1	Preamble	5	5
1.2	Definitions and Nomenclatures	5	6
1.3	About Delhi Technological University (DTU)	6	7
1.4	About DTU-Innovation and Incubation Foundation (DTU-IIF)	7	8
1.5	Layout of this document	8	8
2.0	DTU Innovation and Start-Up Policy	9	19
2.1	Vision	9	9
2.2	Mission	9	9
2.3	Strategies and Governance	9	11
2.4	Startups Enabling Institutional support ( Infrastructure)	11	12
2.5	IP and Product Ownership Rights for Technologies Developed at Institute	12	13
2.6	Organizational Capacity, Human Resources and Incentives	13	14
2.7	Creating Innovation Pipeline and Pathways for Entrepreneurs at Institute Level	15	16
2.8	Pedagogy and Learning Interventions for Entrepreneurship Development	16	17
2.9	Collaboration, Co-creation, Business Relationships and Knowledge Exchange	17	17
2.10	Entrepreneurial Impact Assessment	18	18
2.11	Terms and Conditions - Settlement of disputes, authority, confidentiality	19	19
2.12	Review of the Policy	19	19
2.13	Way Forward	19	19
3.0	DTU Innovation and Start-Up Policy – Regulations for <b>Faculty</b>	20	24
3.1	Norms for faculty Startups at DTU	20	20
3.1.1	Applicability and Terms and Conditions	20	21
3.1.2	Methods of Admittance	21	23
3.2	Regulations for Financial Handling	23	24

4.0	DTU Innovation and Start-Up Policy for <b>Students</b>	25	30
4.1	Norms for faculty Startups at DTU	25	25
	4.1.1 Applicability	25	27
	4.1.2 Methods of Admittance	27	29
4.2	Regulations for Financial Handling	29	30

*References*

# DTU INNOVATION AND STARTUP POLICY

## 1.0 Introduction

### 1.1 Preamble

A need for developing innovation and entrepreneurship amongst the faculty and students have long been felt. The efforts in this direction had always been there and culminated in **All India Council of Technical Education (AICTE)** policy on inculcation of innovation and entrepreneurial culture in higher education institutions (HEIs) in 2016. The policy guidelines for AICTE approved institutions on implementing 'Startup Action Plan' of Government of India was issued. Subsequently as the feedbacks were received, in order to develop a more elaborate and comprehensive policy document for all the HEIs in India, a fifteen membered committee was constituted by Ministry of Human Resource Development (MHRD) to formulate detailed guidelines for various aspects related to innovation, Startup and entrepreneurship management. After detailed deliberations on various aspects such as nurturing the innovation and Startup culture in HEIs, Intellectual Property ownership, revenue sharing mechanisms, norms for technology transfer and commercialization, equity sharing, etc. Finally, National Innovation and Startup Policy 2019 for students and faculties, a guideline framework for HEIs was issued.

Delhi Technological University (DTU) is one of the premier Delhi State University with a rich academic and research culture. It has been contributing to the society by producing finest, technologically savvy engineers. In line with the vision of Govt of India towards Aatm Nirbharta and MHRD guidelines, DTU has developed this document for nurturing innovation, startup and entrepreneurship amongst the students and faculty of the University.

### 1.2 Definitions and Nomenclatures

- (a) "Faculty Member" shall mean Assistant Professor/ Associate Professor/ Professor of the DTU including reemployed Professor, Visiting Professor, Emeritus Professor, Adjunct Professor, Professor of Eminence, Honorary Faculty/Professor etc. This definition shall also include all the faculty members of erstwhile Delhi College of Engineering.
- (b) "Staff" shall mean any non-teaching employee of the university. This definition shall also include all the staff members of erstwhile Delhi College of Engineering.
- (c) "Researcher" shall mean a person who is associated with the university and doing innovative work whether student or faculty member. A researcher must be enrolled in the university.
- (d) "Student" shall mean any student registered under any of the programs offered by the University. It will NOT include any student on internships from outside DTU even if they are part of any innovation team.
- (e) "Startup" An entity that develops a business model based on either product



innovation or service innovation or business model innovation and makes it scalable, replicable and self-reliant and as defined in Gazette Notification No. G.S.R. 127(E) dated February 19, 2019.

(f) "Accelerators" Startup Accelerators design programs in batches and transform promising business ideas into reality under the guidance of mentors and several other available resources

(g) "Technology Business Incubator" Technology Business incubator (TBI) is an entity, which helps technology-based startup businesses with all the necessary resources/support that the startup needs to evolve and grow into a mature business

(h) "Intellectual Property Rights Licensing" is a partnership between an intellectual property rights owner and another who is authorized to use such rights (licensee) in exchange for an agreed payment (fee or royalty).

(i) "DTU-IIF" shall mean DTU Incubation and Innovation Foundation

(j) "University" shall mean Delhi Technological University, Delhi

### **1.3 About Delhi Technological University (DTU)**

"81 years of Tradition of excellence in Engineering & Technology Education, Research and Innovations" Delhi College of Engineering, (initially established with the name – Delhi Polytechnic) came into existence in the year 1941 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The institution was set up at historic Kashmere Gate campus as a follow up of the Wood and Abott Committee of 1938. It comprised of a multi-disciplinary and multi-level institution offering wide ranging programmes in engineering, technology, arts and sculpture, architecture, pharmacy and commerce. The national diploma awarded by the institution was recognized as equivalent to degree level for the purposes of employment. In 1952 the college was affiliated with University of Delhi and started formal Degree level Programmes. The Department of Architecture later became the School of Planning and Architecture, now a Deemed University and Institution of National importance. The Department of Arts and Sculpture became College of Arts and the departments of Chemical Technology and Textile Technology were shifted out en-block to mark beginning of the IIT Delhi at its new campus at Hauz-Khas. The department of commerce was later abolished, and the faculty of management studies of the University of Delhi was established by Prof. A Das Gupta, of DCE. Delhi College of Engineering is thus the mother institution of several national projects including IITD, SPA, College of Arts and even the famous FMS.

Till 1962, the college was under the direct control of Ministry of Education, Government of India. In 1963, the administration of the college was handed over to Delhi Administration. Delhi College of Engineering was under the administrative control of Department of Training and Technical Education, Govt. of NCT of Delhi. For academic purposes, the college was affiliated to University of Delhi since 1952. From July 2009, the DCE has become Delhi Technological University vide Delhi act 6 of 2009.

The erstwhile DCE has functioned from its historic Kashmere Gate Campus for almost 55 years and has shifted in 1996 to its lush green sprawling campus of 164 Acres at Bawana Road, adjoining Sector-17, Rohini, Delhi-42. Its shifting to new campus has added the dimension of research and caused innovations in plenty, which has received high national and international acclaim. As a Delhi Technological University, it has the desired autonomy to excel and shape itself as a world class Technological University.

#### **1.4 About DTU Innovation and Incubation Foundation (DTU-IIF)**

**DTU Innovation and Incubation Foundation** aims to bring together the entrepreneurial passions to converge on a common platform.

**DTU Innovation and Incubation Foundation (DTU-IIF)** was established as Section 8 Company with License Number 107658 and CIN number U74999DL2016NPL305531, as per 2013 Companies Act of Govt. of India. The company runs a Technology Business Incubator (TBI) of Delhi Technological University (DTU).

DTU IIF was established as per the policy guidelines of Govt, of NCT of Delhi on summary recommendations of a working group established by the Government of National Capital Territory of Delhi, under order NO. F.75 (73)/2015-16/Incubation/ADPL/321-330 dated 5/6/15 for the following purpose:

- To create a culture of entrepreneurship, Start-ups, and Intellectual Property Creation that can lead to value creation, jobs and employment and do social and economic good.
- To facilitate creation of incubation centers that offer incubation infrastructure- space, computing resources, connectivity, common tools, and environment for co-working, collaboration, and innovation.
- Create entrepreneurship challenges based upon existing problems to foster Innovation.

Since its nascence in 2016, **DTU Innovation and Incubation Foundation** has aimed to bring to the forth the entrepreneur dwelling within so many of us. To accomplish the goal of serving as an efficacious platform for networking and interaction, **DTU Innovation and Incubation Foundation** has been organising a host of events.

#### **Why DTU Innovation and Incubation Foundation?**

Our aim is to advocate the idea of entrepreneurship in the community and to inspire more and more students to take up entrepreneurship as a career. **DTU Innovation and Incubation Foundation** host various workshops, speaker sessions, innovative games, competitions for aspiring and visionary entrepreneurs and support them by providing necessary resources such as working space, seed funding, mentoring, consultancy, and networking.

-94-

### ***1.5 Layout of this Document***

This document is laid out as explained here. Section-1 gives the Preamble and background to which forms the basis of this document. It also gives a historical background and achievements of DTU, and an introduction to DTU-IIF. Section-2 deals with the core issues of the DTU Innovation and Startup Policy. Section-3 deals with the specific issues in respect of faculty and Section-4 deals with specific issues regarding the students. Various Annexures and Forms are attached at the end.

## **2.0 DTU Innovation and Startup Policy for Faculty and Students**

### **2.1 Vision**

The DTU vision for the DTU Innovation and startup policy for faculty and students is as under -

“To create the Entrepreneurial Ecosystem by Innovation to provide enhanced value propositions to the customers and create wealth and employment for everyone.”

### **2.2 Mission**

The mission for the DTU Innovation and startup policy for faculty and students are as under-

- To provide incubation and business support services to Startups/Companies so that they can grow and prosper.
- To orient the educational system of the institute towards startups and entrepreneurship opportunities for student and faculties.
- To strengthen the innovation-based entrepreneurship development establishments.
- To encourage and to support students, faculty and staff to consider start-ups and entrepreneurship as a career option.
- To provide enabling mechanisms to start-ups, through training and skill development, capacity building, networking, access to knowledge & support services, etc. on continuous basis.
- To provide the guidelines to stakeholders of DTU for developing entrepreneurial agenda, managing Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Startups or enterprises established by faculty and students.

### **2.3 Strategies and Governance**

Based on accumulated experience, University has initiated the establishment of third vertical of innovation and entrepreneurship along with the traditional verticals of placements and higher studies. A separate DTU-Innovation and entrepreneurship policy (DTU-USIP) has been framed to support this vertical. This initiative has created a pathway towards development of culture among students and faculties to adopt entrepreneurship as one of the carrier options. In addition, DTU lays down following guidelines as part of its strategies and governance for DTU Innovation and Startup policy -

#### ***Governance and Structures***

- (a) DTU aims to achieve its innovation, startup and entrepreneurial vision through a series of mission statements rather than stringent control system.

(b) University has already founded a dedicated University-Institute Innovation Council (IIC), IPR Cell and SPV in the name of DTU-Innovation and Incubation Foundation (DTU-IIF), which will continue to nurture and facilitate budding innovators and entrepreneurship.

(c) One of the missions of DTU is establishment of Centers in emerging areas. University already has a few research Centers. The University shall further encourage establishment of sustainable independent/ departmental research Centers in various emerging areas to nurture/develop new technologies which can be adopted by faculty and Startups.

(d) There are a large number of student chapters, societies and E-Cell. DTU has well laid down SOPs for starting of new Technical Societies and Chapters which may lead to the emergence of several Technical Societies and Chapters.

#### ***Financial Strategies***

(a) DTU may allocate funds, if required for innovation and entrepreneurship activities.

(b) Encouragement shall be given for raising funds from diverse Govt sources such as DST, DBT, MHRD, AICTE, TDB, TIFAC, DSIR, CSIR, BIRAC, NSTEDB, NRDC, Startup India, Invest India, MeitY, MSDE, MSME, etc.

(c) To support technological incubators, DTU will approach private and corporate sectors to generate funds, under Corporate Social Responsibility (CSR) as per Section 135 of the Company Act 2013.

(d) DTU will also continuously seek support and donations by engaging its alumni network for promoting innovation and entrepreneurship.

(e) DTU will also raise funding through sponsorships and donations.

(f) DTU will interact with various financial institutions for cheaper line of credits with/without mortgages or with financial guarantees.

#### ***Activities***

(a) Efforts will be encouraged to make DTU as a driving force in developing entrepreneurship culture in its vicinity. To this end, regular training activities will be planned on various aspects of startup and entrepreneurship, motivational programs in nearby area.

(b) IIC will plan and coordinate institutional programs such as conferences,

leadership lecture series, workshops, etc. to spread the awareness regarding importance of innovation and entrepreneurial agenda among stakeholders.

(c) DTU will encourage and facilitate International coordination and collaboration for promoting I &E. International exchange programs, internships, engagement of international faculties in teaching, research and innovation.

(d) DTU shall encourage regular student activities through E-Cell, Technical Chapters to propagate and involve student community.

(e) University shall establish Technology transfer office (TTO) to facilitate the commercialization of developed technology.

(f) DTU shall work to promote the integration of startups into the various university programs.

#### ***2.4 Startup Enabling Institutional Infrastructure Support***

Without innovation, new enterprises are unlikely to succeed, therefore, DTU gradually but continuously intends to create organically interlinked pre-incubation and incubation facilities for nurturing innovations and startups.

The goal of the institutional infrastructure support is building efforts to link-Innovation to Enterprises to Financial Success.

In order to achieve this, DTU intends to do the following –

(a) To create facilities within DTU to support pre-incubation (e.g. Institute Innovation Council as per the guidelines by MoE's Innovation Cell, EDC, Innovation Cell, Startup Cell, Student Clubs, E-Cell, etc.) and Incubation/acceleration by mobilizing resources from internal and external sources.

(b) This Pre-Incubation/Incubation facility will be made accessible 24x7 to faculty, students and staff of all disciplines and departments across the institution.

(c) Pre-incubation facilities will be created under DTU Innovation and Incubation Foundation (DTU IIF). DTU IIF is registered under Section-8 of Company Act 2013 with independent governance structure. This will allow more freedom to Incubator in decision making with less administrative hassles for executing the programs related to innovation, IPR and Startups. Moreover, they will have better accountability towards investors supporting the incubation facility.

(d) DTU through DTU IIF is shall also offer mentoring and other relevant services through Pre-incubation/Incubation units in-return for fees, equity sharing and (or) zero payment basis. The modalities regarding Equity Sharing in Startups

-98-

supported through these units will depend upon the nature of services offered by these units and are explained in respective sections for faculty and students – Section 3 and Section 4.

## **2.5 IP and Product Ownership Rights for Technologies Developed at Institute**

In line with guiding framework - National Innovation and Startup policy 2019 for Students and faculty for HEIs, following provision shall apply for DTU.

(a) When DTU facilities / funds are used substantially or when IPR is developed as a part of curriculum/ academic activity, IPR is to be jointly owned by inventors and the institute with following conditions;

(i) Inventors and institute will together license the product / IPR to any commercial organization, with inventors having the primary say. License fees could be either / or a mix of

(aa) Upfront fees or one-time technology transfer fees

(ab) Royalty as a percentage of sale-price

(ac) Shares in the company licensing the product

(ii) A separate committee of Technology Transfer Office (TTO) of the university will examine and recommend License fees on case to case basis.

(iii) Benefits of clause i(aa) and i(ab) shall be transferred to DTU

(iv) Benefits of clause i(ac) shall be transferred to DTU-IIF.

(v) An institute shall not be allowed to hold the equity as per the current statute, so DTU through its section-8 company DTU-IIF will hold equity on their behalf.

(vi) If one or more of the inventors wish to incubate a company within DTU-IIF and license the product to their own company, the License fees would be exempted for initial period of three years. Once the startup ventures establishes the commercial viability within the limited exclusive period the license agreement shall be revisited and modified into exclusive over and extended period with a royalty considerations, quantum of which shall be determined by DTU. In case the startup fails to achieve commercial breakthrough within the allotted period the exclusivity of the license to the startup shall be forfeited.

(vii) If one or more of the inventors wish to incubate a company outside DTU-IIF and license the product to the company, the royalties would be no more than 4% of the sale price preferably 1 to 2% to DTU. If it is shares in the company, shares will again be 1 to 4%.

(viii) A separate committee of TTO office of the university will examine and recommend all issues related to royalty/share between DTU-IIF and



incubated company on case to case basis within the ceiling as mentioned in this policy and other relevant Govt. Guidelines.

(b) On the other hand, if product/ IPR is developed by innovators not using any institute facilities, outside office hours (for staff and faculty) or not as a part of curriculum by student, then product/ IPR will be entirely owned by inventors in proportion to the contributions made by them. In this case, inventors can decide to license the technology to third parties or use the technology the way they deem fit.

(c) Institute IPR cell or incubation center will only be a coordinator and facilitator for providing services to faculty, staff and students. They will have no say on how the invention is carried out, how it is patented or how it is to be licensed. If institute is to pay for patent filing, a committee shall examine whether the IPR is worth patenting. The committee shall consist of faculty who have experience and excelled in technology translation. The constitution of the 3 member committee is as under:

- (i) two faculty members (having developed sufficient IPR)
- (ii) one legal advisor with experience in IPR

(d) All institute's decision-making body with respect to incubation / IPR / technology-licensing will consist of faculty and experts who have excelled in technology translation. As per MoE guidelines, other faculty in the department / institute will have no say, including heads of department, heads of institutes, deans or registrars.

(e) DTU shall encourage and promote Interdisciplinary research and publication on startup and entrepreneurship.

## **2.6 Building Organizational Capacity, Human Resources and Incentives**

DTU shall create appropriate organizations as required starting with DTU-IIF and also develop appropriate human resources to promote Innovation and Startup. DTU will gradually take following actions –

(a) DTU shall recruit/hire, as and when required, appropriate manpower with a strong innovation and entrepreneurial/ industrial experience, behaviour and attitude. The primary source of manpower will be the relevant faculty members with prior exposure and interest. To achieve better engagement of staff in entrepreneurial activities, the faculty and staff will be provided/detailed for regular training.

(b) Faculty and departments of the DTU shall be encouraged to work in coherence and cross-departmental linkages would be strengthened through shared faculty, cross-faculty teaching and research in order to gain maximum utilization of internal resources and knowledge.

(c) Periodically some external subject matter experts such as guest lecturers or

alumni shall be engaged for strategic advice and bringing in skills which are not available internally.

(d) Faculty and staff would be encouraged to do courses on innovation, entrepreneurship management and venture development.

(g) In order to attract and retain right people, DTU would develop academic and non-academic incentives and reward mechanisms for all faculty/staff and stakeholders that actively contribute and support entrepreneurship agenda and activities. These awards would be in line and in addition with the Research awards already instituted by DTU.

(h) The reward system for the faculty/staff will include sabbatical without pay, office and lab space for entrepreneurial activities, awards, trainings, etc.

(i) The recognition of the stakeholders shall include offering use of facilities and services, strategy for shared risk, as guest teachers, fellowships, associateships, etc.

(j) A performance matrix would be developed and used for evaluation of annual performance.

Companies will be allowed to remain in the incubator of DTU, to begin with for a period of 18 months that may be extended at each point to another 12 (6+6) months after study. For this 30-month period, the business will be paid a nominal monthly fee. The incubator of DTU can at its sole discretion, allow companies to further extend their stay for a maximum of 12 months, for which they will have to pay the fees at the prevailing market rate to be determined by DTU. Based on market conditions and other variables, the initial duration of 18 months which vary and is therefore only a general guideline and not a standard.

## **2.7 *Creating Innovation Pipeline and Pathways for Entrepreneurs at University Level***

Following activities will be taken up in connection with Innovation Pipeline and Pathways for Entrepreneurs at University Level-

(a) Spreading awareness among students/faculty/staff about the value of entrepreneurship and its role in career development or employability shall be a part of the institutional entrepreneurial agenda.

(b) Students/ staff should be taught that innovation is a mechanism to solve the problems of the society and consumers. Students should be encouraged to develop entrepreneurial mindset through experiential learning by exposing them to training in cognitive skills by inviting first generation local entrepreneurs or experts to address young minds

(c) To ensure maximum participation of students to innovation and incubation, following actions shall be taken up -

(i) Regular awareness programs round the year through Institute Innovation Council (IIC) to introduce the students with entrepreneurship and innovation.

(ii) Specialized workshops and short-term courses in IPR, entrepreneurship development, various technology-based skill development programs, etc. shall be organized by concerned department/cell to help students/faculty to develop various skills required in their entrepreneurial journey.

(iii) Collective and concentrated efforts shall be undertaken to identify, scout, acknowledge, support and reward proven student/faculty ideas and innovations and to further facilitate their entrepreneurial journey.

(d) Other support shall be provided to potential entrepreneurs in following manner-

(i) Organizing networking events for the budding entrepreneurs to meet investors and pitch their ideas.

(ii) Providing business incubation facilities such as premises at subsidized cost, Laboratories, research facilities, IT services, training, mentoring, etc.

(iii) Promoting a culture to understand that money is not FREE and is a RISK capital. The entrepreneur must utilize these funds and return. While funding is taking risk on the entrepreneur, it is an obligation of the entrepreneur to make every effort possible to prove that the funding agency did right in funding him/her.

(e) Innovative projects undertaken by the students shall be supported by University and TBI.

(i) Specific committees shall be constituted for selection to incubation and project monitoring in TBI consisting of experts from incubation and entrepreneurship, prototype development, IPR, marketing, finance and technology experts.

(ii) TBI-DTU shall provide fabrication and rapid prototyping facilities for prototype or product development through Innovation Center and fab laboratory.

(iii) Mentoring support shall be provided when incubated student/faculty registers his/her company. Also they shall be provided linkages with angel investors, venture capitalists and investors for scaling up his/ her business.

## 2.8 *Pedagogy and Learning Interventions for Entrepreneurship Development*

DTU initiated Micro degree certification program with diversified approach in teaching and learning pedagogy including cross disciplinary learning using mentors, labs, case studies, games, etc. in place of traditional lecture-based delivery. Experts from industry, mentors from different areas of business and enterprise will be the part of resource person team of this micro degree certification program. This program has adopted blended learning mode of pedagogy which consists of project and problem-based learning, online learning with MOOC platform and courses from course era.

- (a) A Technical council/innovation center shall be responsible to co-ordinate all student clubs, whereas individual departments are responsible for running technical hobby clubs, project workshops/labs.
- (b) IIC/DTU-IIF shall be responsible for organizing competitions, boot-camps, workshops, awards, etc. A separate E-cell will run and administered by students is totally involved in strategic planning and implementation of these activities.
- (c) As part of awareness program about entrepreneurial ecosystem present in the University, introductory sessions will be organized for all the students of all the programs in DTU by IIC/DTU-IIF/IPR cell/Technical Council.
- (d) DTU-IIF/TTO shall be responsible for conducting research and survey on trends in technology, research, innovation, and market intelligence. Industrial consultancy, industrial visits and student internship related activities shall be explored by DTU-IIF/TTO.
- (e) To promote student ideas, projects and innovations based around real life challenges, boot-camps, visits to rural and underprivileged areas in nearby region and hackathons will be organized by IIC/DTU-IIF on regular basis.
- (g) Innovation champions shall be nominated from within the students/ faculty/ staff for each department/stream of study.
- (h) University shall start annual '*Innovation & Entrepreneurship Award*' to recognize outstanding ideas, successful enterprises, and contributors for promoting innovation and enterprises ecosystem within the University.
- (i) Customized teaching, training and learning material shall be developed for the promotion of entrepreneurial activities.

## **2.9 Collaboration, Co-creation, Business Relationships and Knowledge Exchange**

Stakeholder engagement is of prime importance in the entrepreneurial agenda and therefore DTU shall extend assistance in finding potential partners, resource organizations, micro, small and medium sized enterprises (MSMEs), social enterprises, schools, alumni, professional bodies and entrepreneurs to support entrepreneurship and co-design the programs. DTU shall develop policy and guidelines for forming and managing the relationships with external stakeholders including private industries. Following points will be adhered to –

- (a) For all the activities relevant to the entrepreneurial agenda of the University, participation and collaboration of industry partners, University of national importance, international institutions, social enterprises, schools, alumni, professional bodies and entrepreneurs will be encouraged.
- (b) CEO DTU-IIF and his team will be Single Point of Contact (SPOC) in the University for the students, faculty, collaborators, partners and other stakeholders for the purpose of Innovation and entrepreneurship.
- (c) University shall have collaborations with associations of industries, with various government departments and ministries like DST, MeitY, research organizations etc. All these collaborations shall prove to be beneficial to the students in their entrepreneurial journey.

## **2.10 Entrepreneurial Impact Assessment**

Impact assessment will include various parameters for Entrepreneurial initiatives such as pre-incubation, incubation, entrepreneurship education. The KPIs will be developed on following lines:

- (a) Monitoring and evaluation of knowledge exchange initiatives, engagement of all departments and faculty in the entrepreneurial teaching and learning will be assessed.
- (b) Participation in awareness programs will be reviewed as and when required.
- (c) Number of start-ups created, support system provided at the institutional level and satisfaction of participants, new business relationship created by DTU will be recorded and used for impact assessment.
- (d) Impact will also be measured for the support system provided by DTU to the student entrepreneur for pre-incubation, incubation, IPR protection, industry linkages, exposure to entrepreneurial eco-system, etc.

(e) Participation in pitching for fund raising and grants/support from government and non-government agencies

(f) Impact assessment for measuring the success will be in terms of sustainable social, financial and technological impact in the market. For innovations at pre-commercial stage, development of sustainable enterprise model is critical.

(g) Formulation of strategy and impact assessment should go hand in hand. The information on impact of the activities will be actively used while developing and reviewing the entrepreneurial strategy.

(h) Startup registrations and company incorporation will be monitored.

A committee nominated by the Competent Authority will be responsible for assigning appropriate weightages to the above parameters depending on the maturity of the process. A separate document regarding this will be made available by Institute Innovation Council and reviewed annually.

**2.11. Terms and Conditions – Dispute Settlement of Disputes, Confidentiality and Competent Authority**

All aspects of this policy will be regulated by the management of the DTU through Startup Policy Governing Council to be setup explicitly set up or Dean IRD office and mandated to control the policy, to approve any derogations and to make changes to the policy as deemed necessary from time to time.

If there is a dispute in ownership, a 3 to 5 membered committee as under will be proposed by Governing Council/Dean IRD office and approval of the Competent Authority shall be obtained for examining the issue and resolving the dispute.

- (i) Upto two faculty members (having developed sufficient IPR/ translated to commercialization)
- (ii) Upto two of the institute's alumni/ industry experts (having experience in technology commercialization)
- (iii) One legal advisor with experience in IPR.

The decision by the University Management / Governing Council/Dean IRD office shall be final. Any further escalation of the dispute will be subject to arbitration under the Indian Arbitration Act following the decision of the DTU Management / Governing Council/Dean IRD office. Delhi, India, is the jurisdiction of all disputes.

All other issues including any provision which has not been covered explicitly in this policy will be submitted to Vice Chancellor DTU and his decision will be final.

### ***2.12 Review of the Policy***

Considering the feedback from stakeholders which is the reflection of impact of the existing policy, a review committee will examine and finalize the recommendations for change in the policy. The review committee will be constituted on the recommendation of the Governing Council/Dean IRD office with the approval of the Competent Authority.

### ***2.13 Way Forward***

Successful implementation of the 'DTU Innovation and Startup Policy' for students and faculty is the main objective. In order to achieve this, full-fledged support of all the academic, non-academic and supporting departments will be important. The roadmap suggested through this document is 'broad guidelines and this policy document shall be refined/improved/amended from time to time on the recommendation of the Governing Council/Dean IRD office with the approval of the Competent Authority.



### **3.0 DTU Innovation and Startup Policy –Regulations for Faculty /Staff**

#### **3.1 Norms for faculty/Staff Startups at DTU**

DTU encourages and prioritizes the faculty participation as entrepreneurs in the following order:

- (a) Companies owned by individual faculty/staff members of the university.
- (b) Companies jointly owned by the faculty/staff members and graduating students/alumni
- (c) Companies owned by the faculty/staff members (one or many) along with possibly other entrepreneurs

#### **3.1.1 Applicability and Terms and Conditions**

This policy is applicable to any DTU faculty and staff (including all DCE faculty and staff) who is a founder/owner or co-founder/co-owner/direct promoter/board member of such companies. He/she may also play an operational role (Consultant, Technical Adviser, CEO, Marketing Manager, etc.) with the approval of the university under the following terms and conditions.

- (a) Majority of Founders/Shareholders/ core team should be Indian citizens.
- (b) Faculty should sign an undertaking for “conflict of interest” to ensure that regular duties shall not be suffered owing to his/her involvement in the startup.
- (c) Applications for admission to the incubator will be made on behalf of registered unlisted companies within the meaning of the 1956 Companies Act. Where a company has not been registered, an application can be made in the name of all the promoters/founders; however, the promoters/founders must ensure that the company is registered in the incubator within a period of three months from the date of approval of the application.
- (d) If the faculty/ staff holds an executive or managerial position for more than three months in a start-up, they will go on a sabbatical without pay/leave without pay/utilizing existing leave as per DTU norms.
- (e) Faculty must clearly separate and distinguish on-going research, consultancy projects, teaching and other activities at the university from the work conducted at the startup/company.
- (f) In case of selection of a faculty start up by an outside national or international accelerator, a maximum leave (as sabbatical without pay/ unpaid leave/ casual leave/ earned leave) of one semester or a year (or upto eighteen months depending upon the decision of review committee constituted by university /Vice-Chancellor/Board of Management) may be permitted to the faculty. The seniority and other academic benefits during such period may be preserved for such faculty

member.

(g) Faculty must not accept gifts from the startup.

(h) The faculty cannot include research resources of the University in start-up activities except for innovation; it may not be used for commercialization activities and vice versa.

(i) Human subject related research in Startup should get clearance from the ethics committee. Ethics committee will be constituted by the competent authority of DTU.

(j) The faculty shall not either directly or indirectly, pursue equity or pleasure in any way other than as described in this policy in the case of a faculty member leaving DTU for a period of twelve months from the date of departure.

(k) There will be no restriction on shares that a faculty member can own in the company.

(l) Participation in startup related activities shall be considered as a legitimate activity of faculty in addition to teaching, R&D projects, industrial consultancy and management duties and shall be given due consideration while evaluating the annual performance of the faculty.

(m) Faculty must not involve research staff or other staff of university in activities at the startup and vice-versa.

(n) DTU shall revise the performance evaluation policies for faculty and staff to encourage innovation and entrepreneurship.

(o) Product development and commercialization as well as participating and nurturing of startup shall be a part of faculty duty and each faculty shall choose a mix and match of these activities (in addition to minimum required teaching and guidance) and then respective faculty are evaluated accordingly for their performance and evaluation.

### **3.1.2 Method of Admittance**

The general provisions for admittance are described in this section. The provisions particularly with respect to admittance of funding will be governed by the decision taken by DTU/DTU-IIF from time to time. Incubation in DTU-IIF will be done in two stages.

#### **Pre-incubation stage:**

(a) Any faculty/staff (As per norms given at 3.1) has to find out a problem statement which should be realistic one and associated directly with societal issue.

(b) Faculty/Staff has to find out a potential solution that can solve the predefined problem. The solution should be an innovative solution. The idea or innovative process is to be submitted to DTU-IIF on rolling basis.

(c) The applicants will be encouraged to participate in national/international contest to validate their ideas/innovation.

(d) The proposal will be examined by a committee of DTU-IIF constituted for this purpose.

(e) The selected proposals will be supported by DTU-IIF as per recommendation of the committee which may include, design and development of prototype, mentorship, etc.

(f) The seed support will be based on recommendation of Finance Review Committee/Investment Committee of DTU-IIF.

(g) Once the idea/prototype is eligible for pre-incubation as decided by the committee and seeking for seed support, this should be registered as a startup under a form of business entity like Partnership Firm, LLP, Private Limited Company and One Person Company. Start-ups should be able to provide a copy of the registration certificate/letter.

(h) The continuance of any startup in the pre-incubation stages as well as release of funds if any will be subject to quarterly performance review.

(i) The potential startup under pre-incubation stage shall be promoted to incubation stage as per the recommendation of performance review committee.

**Incubation stage:**

(a) Faculty/staff can submit the business plan proposals directly for incubation stage to DTU-IIF.

(b) Faculty/staff needn't to undergo ideation stage and take part in competition as stated above provided they have independent funding available.

(c) In case any proposal/project/idea has already been evaluated by some national/international organization and funding has been given such proposals will be given priority for support.

(d) The DTU-IIF committee will evaluate for its potency, market value, etc. whether it is eligible for a startup or not.

(e) The seed support will be based on recommendation of Finance Review Committee/Investment Committee of DTU-IIF.

(f) Once the idea/prototype is eligible for startup as decided by the committee, this should be registered as a startup under a form of business entity like Partnership Firm, LLP, Private Limited Company and One Person Company. Start-ups should be able to provide a copy of the registration certificate/letter.

(g) The incubation will be as per terms and conditions of DTU-IIF issued from time to time.

### 3.2 *Regulations for Financial Handling*

The following financial provisions shall apply to all the startups registered with DTU-IIF.

(a) The company will have its own funding and accounting procedures in line with the existing industry norms and will ensure annual audit and other regulatory compliances.

(b) The startup must open current of the startup immediately on registration of the company. All DTU/DTU-IIF funding will be transferred to the company account.

(c) The startup will be required to submit a utilization certificate annually.

(d) In return of the services and facilities provided, university/DTU-IIF may take 2% to 9.5% equity/ stake in the startup/company, based on brand used, faculty services, faculty contribution, support provided by DTU/DTU-IIF and use of university's IPR. Other factors for consideration would be space, infrastructure, mentorship support, seed funds, support for accounts, legal, patents, etc. The DTU-IIF equity/stake in the startup will be based the recommendation Finance Review Committee.

(e) The money (honorarium, salary, consultancy or remuneration in any other form) paid to the founding members of the company will be counted entirely as income of the involved faculty members during the incubation period. After the company moves out of the campus, the faculty member may take long leave and work with the company or may earn in form of consultancy as per the applicable rules and permission of the university.

(f) For faculty and staff startup, university/DTU-IIF will not take more than 20% of shares that faculty/staff takes while drawing full salary from the institution; however, this share will be within the 9.5% cap of company shares, listed above.

(g) No restriction on shares that faculty / staff can take, as long as they do not spend more than 20% of office time on the startup in advisory or consultative role and do not compromise with their existing academic and administrative work / duties.

- (h) In case of compulsory equity model, startup shall be given a cooling period of 3 months to use incubation services on rental basis to take a final decision based on satisfaction of services offered by the university/incubator.
- (i) In that case, during the cooling period, university will not force startup to issue equity on the first day of granting incubation support.
- (j) The faculty member associated shall ensure that at no stage any liability shall accrue to DTU because of any activity of any startup.
- (k) University's decision-making bodies with respect to incubation / IPR / technology-licensing will consist of faculty and experts who have excelled in technology translation.

## ***4.0 DTU Innovation and Startup Policy – Regulations for Students***

### **4.1 Norms for Students startups at DTU**

DTU encourages and prioritizes the student participation as entrepreneurs in the following order:

- (a) Companies owned by individual student/group of students of the university.
- (b) Companies jointly owned by the students and faculty members/alumni.
- (c) Companies owned by the students (one or many) along with possibly other entrepreneurs from other universities.

#### **4.1.1 Applicability and Terms and Conditions**

This policy is applicable to any student enrolled in DTU who is a founder/owner or co-founder/co-owner/direct promoter/board member of such companies. He/she may also play an operational role (Consultant, Technical Adviser, CEO, Marketing Manager, etc.) under the following terms and conditions.

- (a) Majority of Founders/Shareholders/ core team should be Indian citizens.
- (b) Access to pre-incubation and incubation facility for Startups by DTU students is for a period not exceeding 36 months.
- (c) Licensing of technology, whose IPR is held jointly by DTU or DTU-IIF, to Startups on easy term – either in terms of equity in the venture and/ or license fees and/ or royalty. This will particularly apply in the case of technology developed or co-developed by the concerned DTU students.
- (d) Students shall be allowed, while studying, to work on their innovative startups (including Social Startups) or to work as intern/ part-time in startups incubated in any recognized Higher Educational Institute/ Incubator subject to approval from the university based on recommendation of a committee.
- (e) Student inventors shall be allowed to opt for startup in place of their mini project/ major project, seminars, summer trainings, etc. However, the student must describe how they will separate and clearly distinguish their academic/ongoing research activities as a student from the work being conducted at the startup.
- (f) Students whose startups/ entrepreneurial ventures are under incubation will be allowed to use DTU's address to register their company with due permission from DTU/DTU-IIF.
- (g) Students involved in entrepreneurial activities will be allowed to sit for the examination, even if their attendance is lower than the minimum permissible

percentage, after due permission from the concerned HOD/Dean on review /recommendation of their entrepreneurial activities by DTU/DTU-IIF.

(h) DTU shall consider accommodation to entrepreneurs within the campus for some period of time as per availability.

(i) DTU shall allow students to take a year break or even a longer break, to work on their startups and re-join academics to complete the course. In all such cases the students will submit their applications to DTU/DTU-IIF which after due diligence will forward the application to concerned Dean for further permission and approval.

(j) Students involved in entrepreneurial ventures shall be allowed to earn academic credits for their efforts while creating an enterprise. DTU/DTU-IIF committee will review student startups and based on their progress, it will recommend giving appropriate credits for academics for working on innovative prototypes/ business models.

(k) DTU has started full time MBA (Innovation, Entrepreneurship and Venture Development) and MBA (Family Business and Entrepreneurship) programs, as per the AICTE guidelines for such a program, where one can get a degree while incubating and nurturing a startup.

(l) DTU, through DTU-IIF, will facilitate the startup activities/ technology development by allowing students to use the Institute's infrastructure and facilities, as per the choice of the potential entrepreneur in the following manner:

- i. Short-term (6 – 12 months), part-time entrepreneurship training
- ii. Mentorship support on regular basis
- iii. Facilitation in a variety of areas such as technology development, ideation, creativity, design thinking, fund raising, financial management, cash-flow management, new venture planning, business development, product development, social entrepreneurship, product-costing, marketing, brand development, human resource management as well as law and regulations impacting a business.

iv. Linking of startups to other seed-fund providers/ angel funds/ venture funds or itself may provide the seed-fund once the incubation activities mature.

v. License the Institute's IPR as per the policy/guidelines.

(m) Applications for admission to the incubator of DTU will be made on behalf of registered unlisted companies within the meaning of the 1956 Companies Act. Where a company has not been registered, an application can be made in the name of all the promoters/founders; however, the promoters/founders must ensure that



the company is registered in the incubator of DTU within a period of three months from the date of approval of the application.

(n) It is open to all the students enrolled in DTU provided they have not been debarred by DTU for any reason.

(o) DTU shall consider allowing use of its resources to students wishing to establish a Startup as a fulltime effort.

(p) DTU and DTU-IIF will take steps as soon as practicable to modify its policies in spirit of these guidelines in respect of the pre-existing startups.

(q) Students must clearly separate and distinguish academics and other activities at the university from the work conducted at the startup/company.

(r) In case of selection of a student start up by an outside national or international accelerator, a maximum leave of one semester or year (or even more depending upon the decision of review committee/Vice-Chancellor/Board of Management constituted by the university) may be permitted to the student. During this period the student will be given attendance and will be allowed to directly sit for the examinations if necessary.

(s) The student cannot include research resources of the University in start-up activities except for innovation; it may not be used for commercialization activities and vice versa.

(t) Human subject related research in Startup should get clearance from the ethics committee. Ethics committee will be constituted by the competent authority of DTU.

(u) Participation in startup related activities shall be considered as a legitimate activity of student in addition to academics, and shall be given due consideration while evaluating the annual performance of the student.

#### **4.1.2 Method of Admittance**

The general provisions for admittance are described in this section. The provisions particularly with respect to admittance of funding will be governed by the decision taken by DTU/DTU-IIF time to time. Incubation in DTU-IIF will be done in two stages.

##### **Pre-incubation stage:**

(a) Any student (As per norms given in 4.1) has to find out a problem statement which should be realistic one and associated directly with societal issue.

(b) Student has to find out a potential solution that can solve the predefined problem. The solution should be an innovative solution. The idea or innovative process is to be submitted to DTU-IIF on rolling basis.

(c) The applicants will be encouraged to national/international contest to validate their ideas.

(d) The proposal will be examined by a committee of DTU-IIF constituted for this purpose.

(e) The selected proposals will be supported by DTU-IIF as per recommendation of the committee which may include, design and development of prototype, mentorship, etc.

(f) The seed support will be based on recommendation of Finance Review Committee/Investment Committee/Any other committee of DTU-IIF.

(g) Once the idea/prototype is eligible for pre-incubation as decided by the committee and seeking for seed support, this should be registered as a startup under a form of business entity like Partnership Firm, LLP, Private Limited Company and One Person Company. Start-ups should be able to provide a copy of the registration certificate/letter.

(h) The continuance of any startup in the pre-incubation stages as well as release of funds if any will be subject to quarterly performance review.

(i) The potential startup under pre-incubation stage shall be promoted to incubation stage as per the recommendation of performance review committee.

**Incubation stage:**

(a) These facilities shall be offered to students who are currently enrolled in any degree program at DTU provided they have not been debarred by DTU for any reason.

(b) Applicants will have to submit a comprehensive proposal for the incubation facility. After the initial screening and eligibility review, candidates will be invited to the DTU-IIF for an initial meeting.

(c) In case any proposal/project/idea has already been evaluated by some national/international organization and funding has been given such proposals will

be given priority for support.

(d) The DTU-IIF committee will evaluate the proposal for its potency, market value, etc. whether it is eligible for a startup or not.

(e) The seed support will be based on recommendation of Finance Review Committee/Investment Committee of DTU-IIF.

(f) Once the idea/prototype is eligible for startup as decided by the committee, this should be registered as a startup under a form of business entity like Partnership Firm, LLP, Private Limited Company and One Person Company. Start-ups should be able to provide a copy of the registration certificate/letter.

(g) The incubation will be as per terms and conditions of DTU-IIF issued from time to time.

#### ***4.2 Regulations for Financial Handling***

The following financial provisions shall apply to all the startups registered with DTU-IIF.

(a) The company will have its own funding and accounting procedures in line with the existing industry norms and will ensure annual audit and other regulatory compliances.

(b) The startup must open current of the startup immediately on registration of the company. All DTU/DTU-IIF funding will be transferred to the company account.

(c) The startup will be required to submit a utilization certificate annually.

(d) In return of the services and facilities provided, university/DTU-IIF may take 2% to 9.5% equity/ stake in the startup/company, based on brand used, faculty services, faculty contribution, support provided by DTU/DTU-IIF and use of university's IPR. Other factors for consideration would be space, infrastructure, mentorship support, seed funds, support for accounts, legal, patents, etc. The DTU-IIF equity/stake in the startup will be based the recommendation Finance Review Committee.

(e) In case of compulsory equity model, startup shall be given a cooling period of 3 months to use incubation services on rental basis to take a final decision based on satisfaction of services offered by the university/incubator.

(f) In that case, during the cooling period, DTU/DTU-IIF will not force startup to issue equity on the first day of granting incubation support.

(g) The students associated shall ensure that at no stage any liability shall accrue to DTU/DTU-IIF because of any activity of any startup.

## **Reference**

1. National INNOVATION and STARTUP Policy 2019 for Students and Faculty-A Guiding Framework for Higher Education Institutions issued by MIC, Ministry of Human Resource Development, GoI.

[https://mic.gov.in/assets/doc/startup\\_policy\\_2019.pdf](https://mic.gov.in/assets/doc/startup_policy_2019.pdf)

2. Intellectual Property Rights Policy (2017-  
[http://www.dtu.ac.in/Web/AICTE/iprpolicy\\_2017.pdf](http://www.dtu.ac.in/Web/AICTE/iprpolicy_2017.pdf)



**DELHI TECHNOLOGICAL UNIVERSITY**  
(Formerly Delhi College of Engineering)  
Shahbad Daulatpur, Main Bawana Road, Delhi-42

F.No. DTU/Reg/Univ.Adm.Com./2023-24/1689

Dated: 03.7.2024

**REVISED NOTIFICATION**

**Subject: Annual Fee Structure for the students seeking admissions in the Academic Session 2024-25 at DTU.**

In partial modification to this office notification of even No. 4460 dated 09.04.2024, the revised fee structure of the following programs for the students seeking admission in the Academic Session 2024-25 is as under :

- A. Bachelor of Technology (B.Tech)
- B. Bachelor of Design (B.Des)
- C. Bachelor of Technology (B.Tech) (Lateral Entry)
- D. Bachelor of Technology (B.Tech) (Continuing Education)
- E. Bachelor of Business Administration (BBA) & B.A Economics (H)
- F. Master of Technology (M.Tech)
- G. Master of Technology (M.Tech) (Part Time)
- H. (i) Master of Business Administration (MBA)  
(ii) MBA in Innovation, Entrepreneurship and Venture Development (MBA-IEV)  
(iii) MBA -Business Analytics (MBA-BA)
- I. Executive MBA
- J. M.Sc. Programme & M.A (Economics)
- K. Integrated M Sc Programs
- L. M.Tech by Research
- M. Master of Design (M.Des)
- N. Ph.D (Full Time/ Part Time)
- O. DASA Students (UG Programs)
- P. International Students (Admissions through ICCR)
- Q. International Students (Direct Admissions in DTU)
- R. Withdrawal Policy

- 118 -

*2*

A-4/7/24

(A). Bachelor of Technology (B. Tech)

S.No.	Particulars	Fee in AY2024-25 (Rs)	Fee in AY2025-26 (Rs)	Fee in AY2026-27 (Rs)	Fee in AY2027-28 (Rs)
1.	Tuition Fee	1,55,000	1,63,000	1,77,000	1,92,000
2.	<b>Non Govt. Component</b>				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	20,000	22,000	25,500	27,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	36,000	36,000	38,500	40,000
2.3	Economically weaker section fund	10,000	10,000	10,000	10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	15,000	15,000	15,000	17,000
2.5	DTU Medical facilities and premium amount for medical claim of student (per annum)	700	700	700	700
<b>Total</b>		<b>2,36,700</b>	<b>2,46,700</b>	<b>2,66,700</b>	<b>2,86,700</b>

(B). Bachelor of Design (B. Des)

S.No.	Particulars	Fee in AY2024-25 (Rs)	Fee in AY2025-26 (Rs)	Fee in AY2026-27 (Rs)	Fee in AY2027-28 (Rs)
1.	Tuition Fee	1,55,000	1,63,000	1,77,000	1,92,000
2.	<b>Non Govt. Component</b>				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	20,000	22,000	25,500	27,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	36,000	36,000	38,500	40,000
2.3	Economically weaker section fund	10,000	10,000	10,000	10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	15,000	15,000	15,000	17,000
2.5	DTU Medical facilities and premium amount for medical claim of student (per annum)	700	700	700	700
<b>Total</b>		<b>2,36,700</b>	<b>2,46,700</b>	<b>2,66,700</b>	<b>2,86,700</b>

(C). Bachelor of Technology (B. Tech) (Lateral Entry)

S.No.	Particulars	Fee in AY2024-25 (Rs.)	Fee in AY2025-26 (Rs.)	Fee in AY2026-27 (Rs.)
1.	Tuition Fee	1,55,000	1,63,000	1,77,000
2.	<b>Non Govt. Component</b>			
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	20,000	22,000	25,500
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	36,000	36,000	38,500
2.3	Economically weaker section fund	10,000	10,000	10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	15,000	15,000	15,000
2.5	DTU Medical facilities and premium amount for medical claim of student (per annum)	700	700	700
<b>Total</b>		<b>2,36,700</b>	<b>2,46,700</b>	<b>2,66,700</b>

(D). Bachelor of Technology (B.Tech) (Continuing Education)

S.No.	Particulars	Fee in AY2024-25 (Rs.)	Fee in AY2025-26 (Rs.)	Fee in AY2026-27 (Rs.)	Fee in AY2027-28 (Rs.)
1.	Tuition Fee	1,00,000	1,00,000	1,00,000	1,00,000
2.	<b>Non Govt. Component</b>				
2.1	Student Welfare fee (Co-curricular Activities, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	16,000	16,000	16,000	16,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	21,000	21,000	21,000	21,000
2.3	Economically weaker section fund	500	500	1000	1000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	12,000	15,000	15,000	17,000
2.5	DTU Medical facilities and premium amount for medical claim of student (per annum)	500	500	700	700
<b>Total</b>		<b>1,50,000</b>	<b>1,53,700</b>	<b>1,53,700</b>	<b>1,55,700</b>

-120-

2



(E). Bachelor of Business Administration (BBA) & B.A Economics (H)

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)	Fee in AY 2026-27 (Rs.)	Fee in AY 2027-28 (Rs.)*
1.	Tuition Fee	58,500	62,500	67,500	70,500
2.	<b>Non Govt. Component</b>				
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	15,000	16,000	18,000	19,500
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	15,000	16,000	18,000	19,500
2.3	Economically weaker section fund	6,000	6,000	6,000	6,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	15,000	15,000	15,000	17,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700	700	700
	<b>GRAND TOTAL</b>	<b>1,10,200</b>	<b>1,16,200</b>	<b>1,25,200</b>	<b>1,33,200</b>

\*For the students opting for four year degree program.

-121-

(F). Master of Technology (M.Tech)

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)
1.	Tuition Fee	61,300	61,300
2.	<b>Non Govt. Component</b>		
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	18,000	18,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	25,000	25,000
2.3	Economically weaker section fund	5,000	5,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	15,000	15,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700
	<b>GRAND TOTAL</b>	<b>1,25,000</b>	<b>1,25,000</b>

(G). Master of Technology (Part Time)

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)	Fee in AY 2026-27 (Rs.)
1.	Tuition Fee	61,300	61,300	61,300
2.	<b>Non Govt. Component</b>			
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	18,000	18,000	18,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	25,000	25,000	25,000
2.3	Economically weaker section fund	5,000	5,000	5,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	15,000	15,000	15,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700	700
	<b>GRAND TOTAL</b>	<b>1,25,000</b>	<b>1,25,000</b>	<b>1,25,000</b>

- (H). (i) Master of Business Administration (MBA)  
(ii) MBA in Innovation, Entrepreneurship and Venture Development (MBA-IEV)  
(iii) MBA-Business Analytics (MBA-BA)

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)
1.	Tuition Fee	1,47,300	1,55,000
2.	<b>Non Govt. Component</b>		
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	20,000	20,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	36,000	36,000
2.3	Economically weaker section fund	10,000	10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	15,000	15,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700
	<b>GRAND TOTAL</b>	<b>2,29,000</b>	<b>2,36,700</b>

(I). Executive MBA (EMBA)

S.No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)
1.	Tuition Fee	1,97,000	2,14,300
2.	<b>Non Govt. Component</b>		
2.1	Student Welfare Fee (Co-curricular activities, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	22,000	24,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	36,000	36,000
2.3	Economically weaker section fund	10,000	10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	15,000	15,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700
	<b>GRAND TOTAL</b>	<b>2,80,700</b>	<b>3,00,000</b>

-123-

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(J). M.Sc Program & M.A (Economics)

S.No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)
1.	Tuition Fee	23,000	24,800
2.	<b>Non Govt. Component</b>		
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	10,000	10,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	1,500	1,500
2.3	Economically weaker section fund	5,000	5,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	5,000	7,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700
	<b>GRAND TOTAL</b>	<b>45,200</b>	<b>49,000</b>

(K). Integrated M Sc Programs

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)	Fee in AY 2026-27 (Rs.)	Fee in AY 2027-28 (Rs.)	Fee in AY 2028-29 (Rs.)
1.	Tuition Fee	39,300	41,300	44,300	46,300	49,300
2.	<b>Non Govt. Component</b>					
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	12,000	13,500	15,000	15,500	15,500
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	12,000	13,500	15,000	15,500	15,500
2.3	Economically weaker section fund	6,000	6,000	6,000	7,000	7,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	5,000	5,000	5,000	6,000	6,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700	700	700	700
	<b>GRAND TOTAL</b>	<b>75,000</b>	<b>80,000</b>	<b>86,000</b>	<b>91,000</b>	<b>94,000</b>

-124-

(L). M.Tech by Research

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)
1.	Tuition Fee	55,300	55,300
2.	<b>Non Govt. Component</b>		
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	13,000	13,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	16,000	16,000
2.3	Economically weaker section fund	5,000	5,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	10,000	10,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700
	<b>GRAND TOTAL</b>	<b>1,00,000</b>	<b>1,00,000</b>

(M). Master of Design (M.Des)

S.No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)
1.	Tuition Fee	1,47,300	1,55,000
2.	<b>Non Govt. Component</b>		
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	20,000	20,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	36,000	36,000
2.3	Economically weaker section fund	10,000	10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.	15,000	15,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700
	<b>GRAND TOTAL</b>	<b>2,29,000</b>	<b>2,36,700</b>

- 125 -

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(N). Ph.D (Full Time / Part Time)

S.No.	Particulars	Fee in year of admission (Rs.)	Fee in subsequent academic years *
1.	The academic staff of DTU DCE staff (R.19.1) and Project staff pursuing Ph.D as in R.19.11	18,000	8,000
2.	Other Full Time / Part Time candidates	32,000	15,000
3.	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700

\* Fees is to be paid till the academic year in which the thesis is submitted.

(O). DASA Students (UG) (Admission under Mode M1)

S.No	Particulars	Fee in AY 2024-25	Fee in AY 2025-26	Fee in AY 2026-27	Fee in AY 2027-28
(i)	<b>Foreign Nationals except from SAARC and ASEAN countries</b>				
1.0	Tuition Fee	\$8000	\$8000	\$8000	\$8000
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100	\$1180	\$1200
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)				
2.3	Economically weaker section fund				
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)				
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)				
	<b>Grand Total</b>	<b>\$9100</b>	<b>\$9100</b>	<b>\$9180</b>	<b>\$9200</b>
(ii)	<b>Foreign Nationals from SAARC and ASEAN Countries (The candidates from Nepal and Bhutan can submit their fees in equivalent Indian Rupees. However, they will be required to get Exchange Rate Certificate from the bankers and submit the same)</b>				
1.0	Tuition Fee	\$4000	\$4000	\$4000	\$4000
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100	\$1180	\$1200
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)				
2.3	Economically weaker section fund				
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)				
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)				
	<b>Grand Total</b>	<b>\$5100</b>	<b>\$5100</b>	<b>\$5180</b>	<b>\$5200</b>

-126-



(iii) Children of Indians workers in Gulf Countries (CIWG) through DASA					
S.No.	Particulars	Fee in AY2024-25 (Rs.)	Fee in AY2025-26 (Rs.)	Fee in AY2026-27 (Rs.)	Fee in AY2027-28 (Rs.)
1.0	Tuition Fee	Rs.1,55,000	Rs.1,63,000	Rs.1,77,000	1,92,000
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	Rs.20,000	Rs.22,000	Rs.25,500	Rs.27,000
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	Rs.36,000	Rs.36,000	Rs.38,500	Rs.40,000
2.3	Economically weaker section fund	Rs.10,000	Rs.10,000	Rs.10,000	Rs.10,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	Rs.15,000	Rs.15,000	Rs.15,000	Rs.17,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	Rs. 700	Rs. 700	Rs. 700	Rs. 700
	<b>Grand Total</b>	<b>Rs.2,36,700</b>	<b>Rs.2,46,700</b>	<b>Rs.2,66,700</b>	<b>Rs.2,86,700</b>

-127-

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(P). Admissions of International Students through ICCR (Admission under Mode M2)

I. Undergraduate (UG)

S.No	Particulars	Fee in AY 2024-25	Fee in AY 2025-26	Fee in AY 2026-27	Fee in AY 2027-28
(i)	<b>Foreign Nationals other than from SAARC and ASEAN Countries</b>				
1.0	Tuition Fee	\$ 5000	\$ 5000	\$ 5000	\$ 5000
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100	\$1180	\$1200
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)				
2.3	Economically weaker section fund				
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)				
2.5	DTU Medical facilities and premium amount for mediclaim of student (per annum)				
	<b>Grand Total</b>	\$6100	\$6100	\$6180	\$6200
(ii)	<b>Foreign Nationals from SAARC and ASEAN Countries</b>				
1.0	Tuition Fee	\$ 2500	\$ 2500	\$ 2500	\$ 2500
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100	\$1180	\$1200
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)				
2.3	Economically weaker section fund				
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)				
2.5	DTU Medical facilities and premium amount for mediclaim of student (per annum)				
	<b>Grand Total</b>	\$3600	\$3600	\$3680	\$3700

II. Postgraduate (PG)

S.No	Particulars	Fee in AY 2024-25	Fee in AY 2025-26
(i)	<b>Direct Admission for Foreign Nationals other than from SAARC and ASEAN Countries</b>		
1.0	Tuition Fee	\$ 5000	\$ 5000
2.0	Non Govt. Component of fee		
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)	\$ 1100	\$ 1100
2.3	Economically weaker section fund		
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)		
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	\$ 6100	\$ 6100
	<b>Grand Total</b>		
(ii)	<b>Foreign Nationals from SAARC and ASEAN Countries</b>		
1.0	Tuition Fee	\$ 2500	\$ 2500
2.0	Non Govt. Component of fee		
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)		
2.3	Economically weaker section fund		
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)		
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	\$ 3600	\$ 3600
	<b>Grand Total</b>		

- 129 -

(Q). International Students (Directly applied to DTU) (Admission under Mode3)

(I) Direct Admission for Foreign Nationals : B. Tech., B. Des

S.No	Particulars	Fee in AY 2024-25	Fee in AY 2025-26	Fee in AY 2026-27	Fee in AY 2027-28
1.0	Tuition Fee	\$ 8000	\$ 8000	\$ 8000	\$ 8000
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100	\$1180	\$1200
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)				
2.3	Economically weaker section fund				
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)				
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)				
	<b>Grand Total</b>	<b>\$9100</b>	<b>\$9100</b>	<b>\$9180</b>	<b>\$9200</b>

(II) Direct Admission for Foreign National :- BBA, BA(H) Economics

S. No	Particulars	Fee in AY 2024-25	Fee in AY 2025-26	Fee in AY 2026-27	Fee in AY 2027-28 *
1.0	Tuition Fee	\$6000	\$6000	6000	\$6000
2.0	Non Govt. Component of fee				
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100	\$1180	\$1200
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)				
2.3	Economically weaker section fund				
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)				
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)				
	<b>Grand Total</b>	<b>\$7100</b>	<b>\$7100</b>	<b>\$7180</b>	<b>\$7200</b>

\*For the students opting for four year degree program.

-130-

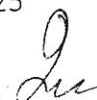
(III) Direct Admission for Foreign Nationals (PG) :

S.No	Particulars	Fee in AY 2024-25	Fee in AY 2025-26
1.0	Tuition Fee	\$ 5000	\$ 5000
2.0	Non Govt. Component of fee		
2.1	Student Welfare fee (Co-curricular Activities, Training & Placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, Outsourcing, conference, seminar, workshop, innovative projects, skill development activities and Misc. Expenditure on unspecified items)	\$1100	\$1100
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities and any misc. expenditure on unspecified items)		
2.3	Economically weaker section fund		
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)		
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)		
	<b>Grand Total</b>	<b>\$6100</b>	<b>\$6100</b>

(IV) Direct Admission for Foreign Students (Ph.D) :

	Fee of Admission	Fee in subsequent academic year
Ph.D fee	\$ 5000	\$ 5000
Non Govt. Component of fee	\$ 1100	\$ 1100
<b>Total</b>	<b>\$ 6100</b>	<b>\$ 6100</b>

— 131 —



(R). Withdrawal Policy #

S.No.	Percentage of Refund of aggregate fee *	Point of Time when Notice of withdrawal of admission is served to HEI
1.	100%	15 days or more before the formally notified last date of admission.
2.	90%	Less than 15 days before the formally notified last date of admission
3.	80%	15 days or less after the formally notified last date of admission
4.	50%	30 days or less, but more than 15 days after formally notified last date of admission
5.	00%	More than 30 days after formally notified last date of admission

\*(Inclusive of Tuition fees and Non Govt. Component).

# This policy shall not be applicable for B.Tech (Admissions through Joint Admission Counselling) and MBA/BBA (Admissions through Common Management Admission Committee) and for these programs, respective policies of JAC,2024 and CMAC,2024 shall be applicable.

# Tuition fee and NGF Fee for all International students are non-refundable.

Student permitted for semester/year withdrawal as per ordinance has to pay the fees for the semester/year for which he/she has been granted withdrawal. However, he/she will not be charged the fees when he/she is completing his/her semester/year against withdrawal semester/ year.

Subject to the provisions of the Act, Statues and Ordinances, the issues not covered in the notice or in the event of differences of interpretation, the Vice Chancellor may take a decision. The decision of the Vice Chancellor shall be final.

In special circumstances, the Vice Chancellor may approve amendment, modification, insertion or deletion which in his opinion is necessary or expedient for the smooth running of a program.

This issues with the prior approval of the Competent Authority.


  
(Prof. Madhusudan Singh)  
Registrar

F.No. DTU/Rég/Univ.Adm.Com./2023-24 /1689

Dated: 03.7.2024

Copy to :

1. PA to VC for kind information of the Hon'ble Vice Chancellor.
2. All the Deans & Heads of the Academic Department of DTU
3. Director (EDC)/HoD (USME)
4. Chairperson, B.Tech Admission Committee (2024)
5. Controller of Examination/ Controller of Finance/Chief Operating Officer
6. All Branch In-charges
7. Head (CC) with a request to upload the same on University website.

  
(Prof. Madhusudan Singh)  
Registrar

— 132 —