



Delhi Technological University
(Formerly Delhi College of Engineering)
Shahbad Daulatpur, Bawana Road, Delhi-110042

Examination Department

F.No. DTU/Examination/2020-21/O/43

Dated: 22-07-2020

REVISED NOTICE

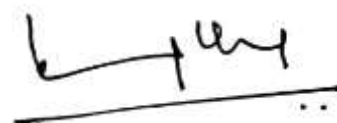
Registration Schedule for Odd Semester-Academic Year 2020-21

1. The schedule for the online registration of **Odd Semester - 2020** is as follows: -

S.No.	Program	Sem.	Start Date	End Date
1.	B.Tech.	VII	25.07.2020 (Saturday) at 03:00 PM	31.07.2020 (Friday)
2.	B.Tech.	V	26.07.200 (Sunday) at 03:00 PM	
3.	B.Tech.	III	27.07.200 (Monday) at 03:00 PM	
4.	B.Des.	III/V	27.07.2020 (Monday) at 03:00 PM	
5.	BBA, BA(E)	III/V		
6.	B.Tech (Evening)	III/V/VII		
7.	M.Tech.	III		
8.	M.Tech.(Part time)	III/V		
9.	MSc	III		
10.	MBA(DSM,USME), EMBA, MBA(BA), MBA(FBE)	III		

2. Login using your ID (i.e. roll no.) and password on https://cumsdtu.in/registration_student
3. Prior to initiating the registration & filling data online, please go through the guidelines properly.
4. There will be no separate registration for **Odd Semester Examinations, 2020**.
5. No Students will be allowed to register after the prescribed date.
6. Online registration is mandatory for all the students. Offline registration is not permissible.

7. A minimum of 20 students is required to run an elective course of B.Tech Programme. In case, sufficient numbers of students are not registered in an elective course, the same shall be withdrawn through a notice and the student shall register for another course through the registration portal given above.
8. **Student should not opt same or related Elective which he/she have already pursued in previous semester(s) or any core course which he/she will have to pursue in forthcoming semester(s).**
9. **Students shall down the registration form and retain a copy of it.**
10. Registration for odd semester 2020-21 is valid subject to payment of Annual Fees and Re-registration fees for pending courses, if any.
11. Students are required to regularly visit the website for more instructions.
12. For any query related to online registration, Students may contact Examination Branch at exam-support@dtu.ac.in.



(KAMAL PATHAK)
Controller of Examinations

F.No. DTU/Examination/2020-21/43

Dated: 22-07-2020

Copy to:

1. PA to VC for kind information to the Hon'ble Vice Chancellor, DTU.
2. Registrar, DTU.
3. Dean Acad (UG/PG).
4. All HODs /HOD (USME) with a request to inform all the students.
5. OIC (B.Tech. Evening) / Co-ordinator, FEC.
6. Incharge (Secrecy)/Incharge(C&E).
7. Head (CC)/KNM with a request to upload the information on University Website.
8. Sh. Prashant Saxena, M/s Libsys with a request to keep the registration server ready.
9. Guard File.



(Madhukar Ch.)
EDP Manager



Delhi Technological University
(Formerly Delhi College of Engineering)
Shahbad Daulatpur, Bawana Road, Delhi-110042

Examination Department

F.No. DTU/Examination/2019-20/O/43

Dated: 22-07-2020

**GUIDELINES FOR SELECTION OF COURSES FOR
B.TECH.V AND VII SEMESTERS**

1. The generic course structure for V Semester is as follows:

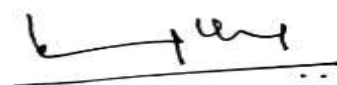
S.No.	Code	Title	Area	Cr	L	T	P
1.	xx301	Departmental Core Course(DCC)	DCC	4	3	0/1	2/0
2.	xx303	Departmental Core Course(DCC)	DCC	4	3	0/1	2/0
3.	-----	Generic Elective Course -1 (GEC1)	GEC	4	3	0/1	2/0
4.	-----	Generic Elective Course- 2 (GEC2)	GEC	4	3	0/1	2/0
5.	-----	Open Elective Course	OEC	3	3	0	0
6.	MG/ HUxxx	Fundamentals of Management/ Engineering Economics	HMC	3	3	0	0
		Total		22			

2. The generic course structure for VII semester is as follows:

S.No.	Code	Title	Area	Cr	L	T	P
1.	xx401	B.Tech. Project-1	DCC	4			
2.	xx403	Training Seminar	DCC	2			
3.	xx405	Departmental Core Course(DCC)	DCC	4	3	0	2
4.	xx407	Departmental Core Course(DCC)	DCC	4	3	0	2
5.	GEC1	Generic Elective Course -1 (GEC1)	GEC	4	3	0/1	2/0
6.	GEC2	Generic Elective Course- 2 (GEC2)	GEC	4	3	0/1	2/0
		Total		22			

3. A minimum of 20 students is required to run an elective course. In case, sufficient numbers of students are not registered in an elective course, the same shall be withdrawn and the student will be given a chance to register for another course out of the available vacancies at that time.

4. Student may choose GEC1 and GEC2 from the pool of GECs offered by his/her respective department and/or from GECs offered by the other departments, subject to following :-
 - (i) A maximum of 20 students from other departments can register in the GECs offered by a particular department.
 - (ii) If a student opts a GEC from slot A then he cannot opt for GEC 2 from slot A. Also, he/she cannot opt for GEC 2 which is offered in two slots i.e. A & B or A & C or A & D.
 - (iii) If a GEC is offered in two slots A & B and the student opts such elective in slot A, then he/she cannot opt for GEC 2 from slots A & B.
5. The list of GECs & OECs offered by various departments for B.Tech. V semester is enclosed as Annexure 1 and 2 respectively.
6. The list of GECs offered by various departments for B.Tech VII semester is enclosed as Annexure 3.
7. Students can opt for offline/online MOOC course of 4 credits in a semester in GEC category with prior approval of BOS of the respective department and as per guidelines issued for MOOC courses from time to time.
8. Students can opt for **Mini Project (xx391)** for 4 credits in GECs category with the consent of faculty as a guide.
9. Students can opt for **Research Work (xx393)** for 4 credits in GECs category.
Student shall satisfy/follow prerequisites/guidelines to undertake research work:
 - (i) Student should have obtained minimum 6 CGPA at the end of third semester.
 - (ii) Student should carry Research Work under the supervision of the faculty from their respective departments.
 - (iii) Student should submit consent letter duly signed by the supervisor with the details of Research Title and Research Area to HOD with a copy to COE at exam-support@dtu.ac.in (As per proforma enclosed)
10. Students can opt for **Entrepreneurship Track (xx395)** for 4 credits in GECs category.



(Kamal Pathak)
Controller of Examinations

List of Generic Elective Courses (GECs) for B.Tech. V Semester

CourseCode	Slot	Course Title
AE307	A	COMBUSTION GENERATED POLLUTION
AE309	B	OPERATIONS RESEARCH
AE317	C	POWER UNITS AND TRANSMISSION
BT323	D	POPULATION GENETICS
BT325	C	CELL BIOLOGY
CE305	D	MECHANICS OF MATERIALS
CE307	C	ADVANCED GEO-TECHNICAL ENGINEERING
CE309	D	ENVIRONMENTAL ENGINEERING DESIGN
CE313	A	EARTHQUAKE TECHNOLOGY
CE315	B	ROCK ENGINEERING
CE317	B	SOLID WASTE MANAGEMENT AND AIR POLLUTION CONTROL
CO305	C	INFORMATION THEORY AND CODING
CO313	B	COMPUTER GRAPHICS
CO313	D	COMPUTER GRAPHICS
CO327	A	MACHINE LEARNING
CO327	C	MACHINE LEARNING
EC305	A	SEMICONDUCTOR DEVICE ELECTRONICS
EC309	A	BIO – MEDICAL ELECTRONICS & INSTRUMENTATION
EC313	B	MICROPROCESSORS AND INTERFACING
EC315	B	COMPUTER COMMUNICATION NETWORKS
EC319	C	CMOS ANALOG INTEGRATED CIRCUITS
EC321	C	IC TECHNOLOGY
EC323	D	CONTROL SYSTEMS
EE305	D	SIGNALS AND SYSTEMS
EE307	D	POWER STATION PRACTICES
EE309	C	SPECIAL ELECTRICAL MACHINES
EE311	C	ENERGY EFFICIENT MOTORS
EE313	B	LINEAR INTEGRATED CIRCUITS
EE315	A	DIGITAL CONTROL AND STATE VARIABLE ANALYSIS
EE319	A	DIGITAL SYSTEM DESIGN
EE321	B	SOFT COMPUTING
EE323	D	FUNDAMENTALS OF MACHINE LEARNING
EE325	B	INTERNET OF THINGS
EN305	B	OIL POLLUTION AND REMEDIATION
EN307	B	PLANNING AND DESIGN OF ENVIRONMENTAL ENGINEERING WORKS
EN311	C	CLIMATE CHANGE AND CDM
EN313	B	ENVIRONMENTAL TECHNOLOGY & RISK ASSESSMENT
EP305	A	ATOMIC AND MOLECULAR PHYSICS
EP307	C	BIOPHYSICS
EP309	B	QUANTUM INFORMATION AND COMPUTING
IT321	A	MALWARE ANALYSIS
IT321	C	MALWARE ANALYSIS
IT323	B	MACHINE LEARNING
IT323	D	MACHINE LEARNING

MC305	A	OPERATION RESEARCH
MC305	D	OPERATION RESEARCH
MC307	B	OBJECT ORIENTED PROGRAMMING
MC315	C	MODERN ALGEBRA
PE307	C	FINITE ELEMENT METHOD
PE315	D	MECHATRONICS
PT305	D	PROCESS EQUIPMENT DESIGN
PT309	B	PETROLEUM REFINING ENGINEERING
PT319	C	BIOMATERIALS
SE321	B	ARTIFICIAL INTELLIGENCE
SE323	A	THEORY OF COMPUTATION

List of Other GEC Courses

Course Code	Course
MOOC301/303	MOOC COURSES
xx391	MINI PROJECT
xx393	RESEARCH WORK
xx395	ENTREPRENUERSHIP TRACK

List of Open Elective Courses (OECs) for B.Tech. V Semester

Course Code	Course Title
CO357	OPERATING SYSTEM (Not for CO/SE)
CO361	DATABASE MANAGEMENT SYSTEM (Not for CO/SE)
EC353	COMPUTER VISION
EC357	DIGITAL IMAGE PROCESSING
EC359	VLSI DESIGN
EE351	POWER ELECTRONICS SYSTEM
EE353	ELECTRICAL MACHINES AND POWER SYSTEMS
EE355	INSTRUMENTATION SYSTEMS
EE357	UTILIZATION OF ELECTRICAL ENERGY
EE359	NON-CONVENTIONAL ENERGY SYSTEM (Not for EE)
EN353	OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT
EP351	PHYSICS OF ENGINEERING MATERIALS (Not for EP)
HU351	ECONOMETRICS
HU353	INTERNATIONAL TRADE
IT353	DATA STRUCTURES AND ALGORITHMS
ME353	RENEWABLE SOURCES OF ENERGY
ME359	REFRIGERATION AND AIR CONDITIONING
PE353	SUPPLY CHAIN MANAGEMENT
PE361	TOTAL QUALITY MANAGEMENT
PT361	HIGH PERFORMANCE POLYMERS
PT367	POLYMER WASTE MANAGEMENT

List of Generic Elective Courses (GECs) for B.Tech. VII Semester

Course Code	Slot	Course Title
AE411	Q	VEHICLE MAINTENANCE & TRIBOLOGY
AE413	S	VEHICLE TRANSPORT MANAGEMENT
BT413	P	NANOBIOTECHNOLOGY
BT425	Q	BIOMATERIALS
CE409	P	ADVANCED DESIGN OF CONCRETE STRUCTURES
CE413	Q	WATER RESOURCES MANAGEMENT
CE415	Q	TRANSPORTATION SAFETY AND ENVIRONMENT
CE417	R	FINITE ELEMENT METHOD FOR 2-D STRUCTURES
CE419	S	SOIL DYNAMICS
CE423	S	ADVANCED TRANSPORTATION ENGINEERING
CO415	Q	WIRELESS AND MOBILE COMPUTING
CO415	S	WIRELESS AND MOBILE COMPUTING
CO423	P	SWARM & EVOLUTIONARY COMPUTING
CO423	R	SWARM & EVOLUTIONARY COMPUTING
CO427	Q	Web Technology
EC409	P	COMPUTER VISION
EC411	P	BIO – MEDICAL SIGNAL AND IMAGE PROCESSING
EC413	Q	POWER ELECTRONICS
EC415	Q	SYSTEM ON CHIP DESIGN
EC419	R	MEMORY DESIGN
EC423	R	INTERNET AND WEB TECHNOLOGIES
EC425	S	MIXED SIGNAL DESIGN
EC427	S	INFORMATION THEORY AND CODING
EE411	P	POWER SYSTEM MODELLING AND SIMULATION
EE413	Q	POWER SYSTEM RELIABILITY
EE415	S	DESIGN OF ELECTRICAL MACHINES
EE417	R	ADVANCED TOPICS IN ELECTRICAL MACHINES
EE419	R	PULSE WIDTH MODULATION FOR POWER CONVERTERS
EE421	P	ADVANCED COMMUNICATIONS
EE423	Q	MICROCONTROLLER & EMBEDDED SYSTEM
EE425	P	IC TECHNOLOGY
EE427	Q	COMPUTER ARCHITECTURE
EE429	S	POWER ELECTRONICS APPLICATION TO PHOTO-VOLTAIC SYSTEMS
EN411	R	OCCUPATIONAL HAZARDS, HEALTH & SAFETY
EN415	R	System Simulation & Modeling
EP411	P	ADVANCED SIMULATION TECHNIQUES IN PHYSICS
EP415	Q	NANO SCIENCE AND TECHNOLOGY
EP417	R	PHOTONICS
EP419	S	INTRODUCTION TO AUTOMATION AND MOTION CONTROL
EP423	R	SPACE AND ATMOSPHERIC SCIENCE-I
IT425	P	NATURAL LANGUAGE PROCESSING
IT425	R	NATURAL LANGUAGE PROCESSING
IT427	Q	INTRUSION DETECTION AND INFORMATION WARFARE

IT427	S	INTRUSION DETECTION AND INFORMATION WARFARE
MC411	P	Data Warehousing & Data Mining
ME409	P	MECHATRONICS & CONTROL
ME411	P	I.C. ENGINES
ME413	P	METROLOGY
ME415	P	PROJECT MANAGEMENT
ME419	Q	ROBOTICS & AUTOMATION
ME421	Q	COMPUTATIONAL FLUID DYNAMICS
ME423	Q	ADVANCED MANUFACTURING PROCESSES
ME427	Q	OPERATIONS RESEARCH
ME429	R	INDUSTRIAL TRIBOLOGY
ME431	R	NON-CONVENTIONAL ENERGY SOURCES
ME433	R	COMPUTER INTEGRATED MANUFACTURING
ME435	R	OPTIMIZATION TECHNIQUES
PE411	S	COMPUTER INTEGRATED DESIGN AND MANUFACTURING
PE413	Q	ROBOTICS AND AUTOMATION
PE417	R	MATERIALS MANAGEMENT
PT415	Q	PAINT TECHNOLOGY
PT419	R	Plastics and Environment
PT427	S	SAFETY & HAZARDS IN CHEMICAL INDUSTRY
SE411	R	SOFTWARE QUALITY AND METRICS
SE417	S	DATA WAREHOUSING AND DATA MINING

LIST OF FOUNDATION ELECTIVE COURSES (B.Tech/B.Des. III Semester, Odd Semester Aug-Dec,20)**Time Slots: S1- Tuesday (8-10am), S2-Thursday (8-10am);S3- Tuesday (4-6pm), S4- Thursday (4-6pm)**

S.No.	Course Code	Course Title	Allotted Slots
1.	FEC1	Sports I	S1-S2
			S3-S4
2. 1.	FEC2	Sports II	S1-S2
			S3-S4
3. 2	FEC3	Physical Education and Sports	S1-S2
			S3-S4
4. 3.	FEC6	Corporate Social Responsibility	S3
5.	FEC7	Introduction to Environmental Sciences	S1
			S2
			S3
			S4
6.	FEC10	Communication Skills	S1
			S2
			S3
			S4
7.	FEC12	Business Communication and Presentation Skills	S1
			S2
			S3
			S4
8.	FEC 11	Soft Skills and Personality Development	S1
9.	FEC13	Public Speaking	S3-S4
10.	FEC14	Appreciation of Short Stories	S4
11.	FEC15	Appreciation of Poetry & Prose	S2
12.	FEC16	Appreciation of Fiction	S2
13.	FEC18	Financial Statements Analysis	S3
			S4
14.	FEC19	Basics of Accounting	S1
15.	FEC22	Yoga	S1-S2
			S3-S4
16.	FEC24	Music	S3-S4
17.	FEC27	Professional Ethics & Human Values	S1
			S2
			S3
			S4
18.	FEC32	Logical Reasoning	S1
			S2
			S3
			S4
19.	FEC37	French	S1
20.	FEC39	Japanese	S1
			S2
21.	FEC40	German	S1
			S4
22.	FEC42	Entrepreneurship Development	S4
23.	FEC45	Engineering Exploration	S1-S2
24.	FEC46	Technical Communication	S1

			S2
			S3
			S4
25.	FEC47	Value Driven Leadership	S3
26.	FEC48	Introduction to Biological Science	S3
			S4
27.	FEC49	Sketching & Rendering	S3-S4
28.	FEC50	Tinkering Studio & Elements of Design	S3-S4
29.	FEC 51	Entrepreneurship Exploration	O
30.	FEC 52	Extension & Outreach Activities	O
31.	FEC 53	Communicative Hindi	S4
32.	FEC 54	Negotiation and Leadership	S1
			S2



Delhi Technological University
(Formerly Delhi College of Engineering)
Shahbad Daulatpur, Bawana Road, Delhi-110042

Letter of Consent of Faculty for Research Work

I, agree to guide the Research Work (xx393) of Mr./Ms. _____

Roll No. _____ of B.Tech III year, in the area of _____

and the proposed title of his/her research is _____.

I will ensure that the student carries his/her research work as per the guidelines approved by the Academic Council of the University.

Signature

Name of Faculty:

Designation:

Department:

Contact:

UNDERGRADUATE RESEARCH PAPER

Course objective: The idea of the course is to develop analytical skills and critical thinking among the students. The course will enable the student learn appropriate research methodologies and to use them. The course will enable the student to develop a new idea. Further it will allow the student to understand, apply, interpret and evaluate the research concepts. To summarize, the research experience at the undergraduate level will not only allow the student to learn content, but they will also learn how knowledge is constructed in a particular discipline. The aim of the course is to promote and recognize published research work at the undergraduate level. Hence, the outcome of the course will be a publication in a reputed journal.

1. COURSE CONTENT

The requirement of this course is to conduct original research. The ideas must be relevant, thoroughly analysed and empirically validated using quantitative, descriptive, correlational, comparative, quasi-theoretical, and experimental techniques.

It may comprise of creative and meticulous work undertaken to contribute to the state of knowledge, including knowledge of universal, biological, societal systems, and the use of valid stock of knowledge to devise new applications. It may be used to establish or confirm facts, reaffirm the results of previous work, solve new or existing problems, support theorems, or develop new theories.

The outcome of the research would be considered for the award of credits based upon a published work in the reputed journals as listed with in the duration of the curriculum.

The nomenclature of the course will be:

S. No	Paper Code	Paper Title	Credits	Semester	Type
1	xx 393 "xx" will be the departmental code	Research Work	4	Fifth	DEC

The meaning of the terms used in the description of this course will be as follows:

- i. **Paper:** Any publication appearing in journal entitled "....." excluding letters to the editor and the editorials. The publication must be electronically available online with DOI.
- ii. **Faculty Advisor:** An individual who is a regular faculty of the Delhi Technological University and agrees to supervise/mentor the student in the research work.
- iii. **University Student:** An individual who is registered for B.Tech degree in the Delhi Technological University.
- iv. **DEC:** Department elective course

2. PREREQUISITES FOR COURSE REGISTRATION

The student must have obtained minimum 6¹ CGPA at the end of fourth semester. The faculty advisor must have at least 5¹ SCI/SCI-Expanded/Scopus publications.

3. COURSE DETAILS AND PUBLICATION ACCEPTANCE CRITERIA:

- 1) The course will be offered to the students in the 5th semester.
- 2) The students will be allowed to earn 4 credits by publishing paper in the third and/or fourth year of B.Tech program provided:
 - The research work is published in one of the journals listed in the category of premier or commendable research as detailed in point 4;
 - Faculty advisor is co-author and the number of student authors is not more than two. Further, there cannot be any other co-author from outside /inside the university apart from faculty advisor in the publication.

4. CATEGORIES OF PUBLICATION:

The publication made in the journals, which seeks publication fee (article processing charges or open access charges), shall not be considered for irrespective of the listing in the publication societies/ houses/ presses specified in the following lists.

Category A) Premier Research Publications

The research publication must be in a journal of impact factor at least one, indexed in SCI or SCI expanded and published in the following:

1. Proceedings of Royal Society
2. American Mathematical Society
3. American Physical Society
4. American Society for Civil Engineers (ASCE)
5. American Society for Mechanical Engineers (ASME)
6. IEEE Transactions
7. Association for Computing Machinery (ACM) Transactions
8. Institute of Civil Engineering Publishing, London
9. Institute of Mechanical Engineering, London
10. American Society of Testing Materials (ASTM)
11. Nature Publishing Group

In addition to the above list, the journals with impact factor equal to or more than thirty (30) will be also be considered.

Category B) Commendable Research Publications

The research publication must be in a journal of impact factor at least one, indexed in SCI or SCI expanded and published in the following:

1. IEEE Journals
2. Springer
3. Elsevier (Science Direct)
4. Oxford University Press

¹In case of a student extremely willing to pursue this course the prerequisites can be waived with the recommendation of HOD/Dean IRD by the Vice Chancellor

5. Pergamon-Elsevier Science Ltd
6. Cambridge University Press
7. Wiley-Blackwell
8. Blackwell Publishing
9. John Wiley & Sons
10. Institute of Engineering and Technology (IET)
11. Biomedical Central Ltd
12. MIT Press
13. Indiana University Press
14. American Meteorological Society
15. American Physiological Society
16. American Society for Microbiology
17. American Chemical Society
18. American Institute of Physics
19. IOP Publishing Ltd.
20. Massachusetts Medical Society
21. IOS Press
22. Princeton University Press
23. Society of Industrial and Applied Mathematics
24. Proceedings of National Academy of Sciences of USA

In addition to the above list, SCI and SCI expanded indexed journal not included in the above list having impact factor equal to or more than five shall also be considered.

B. PROCESS OF REGISTRATION AND AWARD OF GRADES

- A. The student will be required to register for the course in the beginning of the fifth semester along with the name of the faculty advisor and consent letter from the faculty advisor.
- B. The credits can be earned by the student in subsequent semester (VI-VIII) when the student provides evidence, through faculty advisor and HOD, of the online publication of the research paper. For instance, if the student provides evidence of the online publication in semester 5th, 4 credits will be awarded to the student in semester 6th. However, in case the publication is made in the semester 8th, the student will be awarded credits in the same semester.
- C. The following grades will be awarded to the students based on the category of the publication:

Publication Category	Grade
Premier Research category	O
Commendable Research category	A+

- D. In case a student wants to withdraw from this course then he will have to earn 04 credits by registering in an alternative departmental elective course.
- E. If a student has not registered for this research course in 5th semester but is able to meet all other requirements for earning the credits from UG research project course then he/she may be allowed to replace his grade and credits earned from some other elective course with grade and credits earned from UG research project.

Mini Project

Course Objective: The aim of the mini project is to enable the students apply knowledge to address the real-world situation/problem and find the solutions for them. The students will be required to produce and present a working prototype at the end of the course.

1. COURSE CONTENT

The requirements of this course is to design and develop a product which provides solution to a real-world situation/problem.

The outcome of the mini project would be considered for the award of credits based upon the development of a working prototype in the prescribed duration of the course.

The following is the nomenclature of the course:

Paper Code	Paper Title	Credits	Semester	Type	Marks	
					MTE	ETE
XX 391 * "XX" is the departmental code	Mini Project	4	Fifth	DEC	40	60

2. COURSE REGISTRATION:

- 1) The course will be offered to the students in the 5th semester as part of departmental elective courses.
- 2) The duration of the course will be one year. The examination for the course will be conducted at the end of the 6th semester.
- 3) The maximum number of students in the team for mini project can be two.
- 4) The students will be required to prepare a title that relates to the engineering discipline and the topic MUST emulate a real-world situation/problem.
 - a. An early proposal in prescribed format must be submitted describing the proposed idea and the expected output of the final product in the office of HOD within 10 days of registration.
 - b. During the semester two progress reports of 3-4 pages must be submitted briefing on the current progress.
- 5) The mini project must be submitted to the department for evaluation through the faculty advisor at the end of the 6th semester. The report should be submitted with due approval of the faculty advisor and should be duly signed by the faculty advisor.
- 6) The layout of the final report of the mini project report may be:
 - a. Title ("Final Report of xx391 Mini Project submitted by", name of students with roll numbers, "under the guidance of", name of faculty advisor, DTU Logo and, Delhi Technological University, Delhi, <Month name><Year>").
 - b. Acknowledgement
 - c. Table of Contents
 - d. Introduction
 - e. Product specifications/Software requirement specifications
 - f. Design of the product (Methodology, structured chart, algorithm, pseudocode)
 - g. System Manual
 - h. Conclusion
 - i. Future work

3. PROCEDURE OF CONDUCT AND EVALUATION OF MINI PROJECT:

- 1) This course will be offered in the 5th semester of the B. Tech. program and its total duration will be two semesters.
- 2) The student will require to register for the course in the beginning of the 5th semester along with the name of the faculty advisor and consent letter from the faculty advisor.
- 3) The evaluation will be based on two progress reports submitted in semester 5th and 6th and End-Term Examination (ETE) conducted at the end of 6th semester with the weightage of 40% and 60% respectively.
- 4) The mid semester examination will be held in each of the 5th and 6th semesters with a total weightage of 40%. The Mid-Term examination will involve report submission, presentation and oral viva-voce by the student to the faculty advisor. The evaluation will be based on understanding of the project, quantum and quality of work done and regularity of the student.
- 5) The end term mini project examination will be carried out at the end of 6th semester (for 4 credits) and, within 10 days from the last theory paper. For this purpose, suitable examination committee will be appointed by the BoS, with at least one external examiner.
- 6) The students will be required to submit a final project report, after incorporating correction suggested by the project faculty advisor, with the signature of the faculty advisor, to the department, at least 3 days before the date of end semester mini project examination.
- 7) The final examination presentation may be in the form of demonstration of the product and viva-voce. The final evaluation will be based on the report quality, product demonstration, presentation and Q&A.
- 8) Absolute grading system will be used for the mini project. The Grade Moderation Committee for the course will be the same as that for other courses of the class.
- 9) In case a student is awarded a failing grade in the mini project, he/she shall have to repeat the course in the form of a new project/register in some other departmental elective course having equivalent credits.
- 10) Normal attendance regulations will not apply to this course.

MINI PROJECT PROPOSAL FORMAT

To be filled by student

Name		
Roll Number		
Department		
Proposed Project Title		
Name of proposed faculty advisor		
Aims of the Project		
i	Abstract and specific aims	A one paragraph summary of the project proposal and summary of the project goals.
ii	Introduction	Justification for the need of the proposed project, expected outcomes and its applications. (Approx. 01 page)
iii	Project Design	Detailed description of the project design plan, methods and procedures to be used and description of final form of the product. (1-2 pages)
iv	Project budget	Details of budgetary requirement and justification. (1-2 pages)
v	Project Timeline	Outline the anticipated dates of completion of various stages of the project
v	References	List of references