



Govt. of N.C.T. of Delhi  
**DELHI TECHNOLOGICAL UNIVERSITY**

(Formerly Delhi College of Engineering)  
Shahbad Daultapur, Bawana Road-Delhi-42

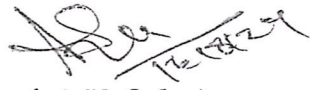
F. No. DTU/IRD/544/2017/2458

Date: 16/08/2024.

To  
All the Researchers  
Department of AP/SWE/ME/  
EE/CSE/ECE.  
Delhi Technological University  
Delhi.

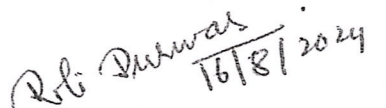
Dear Sir/Madam,

Please find enclosed a tentative list of Eligible Researchers with award money distribution of Delhi Technological University for Innovation Research Awards 2024. It is further requested that the applicants may register their suggestion(s)/objection(s), if any related to this tentative list (enclosed) latest by 21.08.2024 sending email at [ird@dtu.ac.in](mailto:ird@dtu.ac.in) . If no response receives up to 21.08.2024, it will be presumed that the applicant has no suggestion/objection with the list.

  
(Prof. A.K. Sahu)  
Dean (IRD)

Copy to

1. PS to the Hon'ble Vice Chancellor, DTU.
2. Registrar.
3. Head, Computer Centre with a request to upload the same on the DTU's website.
4. Department of AP/SWE/ME/EE/CSE/ECE.
5. Guard File.

  
(Prof. Roli Purwar)  
Associate Dean IRD

S.No.	Name of Applicant	Patent Title Name	Name of Inventor(s)	Name of Department	Patent Number	Patent Granted	Date of Patent Granted	Eligible /Not Eligible	Remark
1	Rajeev Kumar	METHOD AND SYSTEM FOR FILTERING OUT RECIPIENTS FOR BROADCAST MESSAGES BASED ON THEIR EMOTIONAL STATE AND MESSAGE CONTENTS	RAJEEV KUMAR, SHALENDER KUMAR, ABHA DEVI	Computer Science & Engineering.	444018	08-09-2023	Not Eligible	Patent not awarded in the name of DTU.	
2	Divyashikha Sethia	PORTABLE COMPUTING DEVICE BASED SECURE MEDICAL RECORDS MANAGEMENT	Dr Divyashikha Sethia (DTU), Prof. Prof. Daya Gupta (DTU), Prof. Huzur Saran(IIT Delhi), Mayank Goyal, Ujjwal Jain (passed out DTU students)	Software Engineering.	425612	3/17/2023	Eligible	Rs. 20,000/- Dr. Divyashikha Sethia, Rs. 20,000/- Prof. Daya Gupta, Rs. 20,000/- Mayank Goyal, Rs. 20,000/- Ujjwal Jain (passed out DTU students)	
3	Bhawna Rawat	RECONFIGURABLE STATIC RANDOM-ACCESS MEMORY (SRAM) AND METHOD THEREOF	Bhawna Rawat and Poonima Mittal	Electronics and Communication Engineering.	524265	3/13/2024	Not Eligible	Patent awarded in the year 2024.	
4	Prof O P Verma	METHODS AND SYSTEMS FOR MANAGING ACCESS TO AN APPLICATION IN A COMPUTING-DEVICE	Om Prakash Verma, Nirral Pandey, Nilesh Goyal and Amloy Kumar	Electronics and Communication Engineering.	456166	10-02-2023	Eligible subjected to	1. MOU with detail of revenue sharing after commercialization is required. 2. Details of inventors required.	
5	Prof O P Verma	POWER OPTIMIZATION IN BATTERY OPERATED DEVICES	Om Prakash Verma, Nirral Pandey, Sunil Rathore and Amloy Kumar	Electronics and Communication Engineering.	473178	11/25/2023	Eligible subjected to	1. MOU with detail of revenue sharing after commercialization is required. 2. Details of inventors required.	

6	Prof O P Verma	FOR POWER MANAGEMENT OF ELECTRONIC DEVIUCEAND APPARATUS	Om prakash Verma, Nitral Pandey, Tarandeep Kaur, Nirav Patel, Sachin Pappneja, Braj Raj Singh, Ravinder Jain, Dalbir Singh Dhilon, Nitin Barthwal, Pankaj Kodan and Amtoy Kumar	Electronics and Communication Engineering.	US 11 ,259,245 B2	2/21/2022	Not Eligible	Year of award is 2022.
7	PARVESH ALI	THERMAL ADDITIVE CENTRIFUGAL ABRASIVE FLOW MACHINING AND METHOD THEREOF	Dr. Parvesh Ali, Dr. R.S.Walia, Dr. Qasim Murtaza, Dr. Ranganath M.S	Mechanical Engineering.	531306	04-01-2024	Not Eligible	Patent awarded in the year 2024.
8	Parul Kansal	Next-Generation Leaky Wave Antenna for 5G Deployment	Parul Kansal, Dr. Anup Kumar Mandpura, Dr. Narendra Kumar	Electrical Engineering.	6346272	02-12-2024	Not Eligible	1. Patent awarded in the year 2024. 2. It is not patent . It is IP of Design.
9	Dr. Mohan Singh Mehata	SYSTEM AND METHOD FOR DETECTING TRIVALENT METAL IONS	Dr. Mohan Singh Mehata	Applied Physics.	463021	10/27/2023	Eligible	Rs. 1,00,000/- Dr. Mohan Singh Mehata
10	Dr. Mohan Singh Mehata	PROBE FOR THE DETECTION OF FERRIC IRON IN AQUEOUS ENVIRONMENTS AND METHOD THEREOF	Dr. Mohan Singh Mehata, Aneesha	Applied Physics.	481999	12/13/2023	Eligible	Revenue Share 50% 1. Rs. 50,000/- Dr. Mohan Singh Mehata. 2. Rs. 50,000/-Aneesha

11	Dr. Pawan Kumar Tyagi	GROWTH OF DIAMOND FILM USING THERMAL CVD AT ATMOSPHERIC PRESSURE USING SUGARCANE BAGASSE AS CARBON PRECURSOR AND PROCESS THEREOF	Dr. Pawan Kumar Tyagi, Dr. Lucky Krishna	Applied Physics.	419036	1/24/2023	Eligible	Revenue Share 50% 1. Rs. 50,000/-Dr. Pawan Kumar Tyagi. 2. Rs. 50,000/-Dr. Lucky Krishna.
12	Prof. Rajiv Kapoor	Design of Ultrasonic Pattern Generator and Vibrator for Root Canalting Process in Endodontics	Rajiv Kapoor	Electronics and Communication Engineering.	520377	03-05-2024	Not Eligible	1. Patent is not granted in the name of DTU. 2. Patent awarded in 2024.
13	Prof. Rajiv Kapoor	An Automatic Garbage Collector Robot	Rajiv Kapoor	Electronics and Communication Engineering.	494706	01-04-2024	Not Eligible	1. Patent is not granted in the name of DTU. 2. Patent awarded in 2024.
14	Prof. Rajiv Kapoor	Intelligent Collision Avoidance and Navigation System for Watercraft	Rajiv Kapoor	Electronics and Communication Engineering.	343594	08-07-2020	Not Eligible	1. Patent is not granted in the name of DTU. 2. Patent awarded in 2020.
15	Prof. Vinod Singh	A PROCESS FOR SYNTHESIS OF METAL CORE-CARBON SHELL NANOPARTICLES	Vinod Singh, Saurabh Kumar Sengar, and Both Raj Mehta	Applied Physics.	301873	10-04-2018	Not Eligible	1. Patent is not granted in the name of DTU. 2. Patent awarded in 2018.