

## Details of Patents Granted

S.No.	Title	Name of Faculty	Application No.	Application Status
1.	A Process for Bioremediation of Industrial Grease Waste using a Bacterial Consortium	Dr. Sangeeta Negi Dr. Suneel Kumar	1764/Del/2014	Granted Application. Patent Num : 330765 Certificate Issue : 30-01-2020
2.	A novel a-Silicon / Polycarbazole organic schottky diode (osd) and the method of fabrication thereof	Prof. P. Chakrabarti Ms. Aditi Srivastava	2332/Del/2014	Granted Application. Patent Num : 429191 Certificate Issue : 18-04-2023
3.	A wound care product	Dr. Archana Dr. J. Dutta Dr. P.K. Dutta	1267/Del/2015	Granted Application Patent Num : 359941 Certificate Issue : 01-03-2021
4.	Electrochemical process of immuno-based thionine doped nanosilica electrode modification and its use as an enzymatic sensor for electrochemical detection of platelet hyperactivity	Prof. P. Chakrabarti Ms. Priti Singh Dr. Sunil Kumar Singh	1687/Del/2015	Granted Application Patent Num : 375935 Certificate Issue : 31-08-2021
5.	Method of simultaneous detection of e. coli and salmonella species by gold nanoparticle based lateral flow immunoassay	Ms. Jyoti Singh Dr. Seema Nara Dr. Shivesh Sharma	3215/Del/2015	Granted Application Patent Num : 370213 Certificate Issue : 24-06-2021
6.	Method to determine beam width of a dip in surface plasmon resonance sensor and its application thereof	Dr. Yogendra Kumar Prajapati Mr. J.B. Maurya	201611005417	Granted Application Patent Num : 407708 Certificate Issue : 27-09-2022
7.	Micro fabrication annealing furnace with integrated magnetic field and electric field application, and affixable hall measurement set up therein	Dr. Shweta Tripathi Mr. Brijesh Kumar Singh Prof. P. Chakrabarti	201611018593	Granted Application Patent Num : 398375 Certificate Issue : 01-06-2022
8.	Optical biosensor and a method of preparation and its application thereof for detection of salmonella typhi	Dr. Anjana Pandey Dr. Ashutosh Pandey	201611019611	Granted Application Patent Num : 492280 Certificate Issue : 30-12-2023
9.	Integrated health-monitoring device and a method of real time transfer of health condition data collected thereof	Dr. Yogendra Kumar Prajapati Mr. Piyush Sil Mr. Piyush	201611025089	Granted Application Patent Num : 469442 Certificate Issue : 16-11-2023

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10.	A novel cascaded multilevel isolated bidirectional dc-dc converter and its operation thereof	Dr. Rajesh Gupta Mr. V. Karthikeyan	201611034814	Granted Application Patent Num : 502270 Certificate Issue : 23-01-2024
11.	Gas-liquid absorption in microchannel	Dr. Sadhana Sachan Dr. Mohammad Siraj Alam Mr. Kaushal Kishor Mr. Abhishek Kumar Chandra Mr. Wasim Khan	201611043489	Granted Application Patent Number :367963 Certificate Issue : 28.05.2021
12.	Gel Imaging System	Mr. Pranav Tripathi Dr. Seema Nara	201711020522	Granted Application Patent Number : 494482 Certificate Issue : 04.01.2024
13.	A process optimization using <i>bacillus licheniformis</i> lab isolate for conversion of corn starch to near theoretical yield biohydrogen production	Dr. Anjana Pandey Dr. Ashutosh Pandey Ms. Neha Singh	201711023786	Granted Application Patent Number : 466313 Certificate Issue : 06.11.2023
14.	A method for attaining p-type zinc oxide (ZnO) thin film	Dr. Shweta Tripathi Mr. Brijesh Kumar Singh Mr. Lucky Agarwal	201711044846	Granted Application Patent Number : 486996 Certificate Issue : 21-12-2023
15.	Low power, uniform frequency resolution and high sampling speed arbitrary waveform generator	Mr. Subha Sarkar Dr. Y.K. Prajapati Dr. Rajeev Tripathi	201811032831	Granted Application Patent Number : 461154 Certificate Issue : 20.10.2023
16.	A method and a system for automatic detection and grading of cataract	Dr. Basant Kumar Dr. Shashwat Pathak Er. Rahul Raj Er. Aditya Dixit	201931016829	Granted Application Patent Number : 546808 Certificate Issue : 31.07.2024
17.	A method for detection of heavy metals utilizing gold nano particles	Prof. Anjana Pandey Ms. Neha Yadav	201911043605	Granted Application Patent Number :450332 Certificate Issue : 08.09.2023
18.	A Multipurpose low cost portable UV-C Sanitization Cabinet for Home and office use	Dr. Sameer Srivastava Dr. Nand Kr. Singh Dr. Ashutosh Mani Prof. Rajeev Tripathi Prof. Shivesh Sharma Dr. Ambak Kr. Rai	202011018858	Granted Application Patent Number :562561 Certificate Issue : 14.03.2025

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19.	UV-C Invertible, double deck, mesh conveyor disinfection system	Dr. Kamal Sharma Professor, Mechanical Engineering Department, GLA University, Mathura (U.P.)-281406 Prof. Mukul Shukla Professor, Mechanical Engineering Department, MNNIT Allahabad (U.P.)- 211004 Mr. Bhupender Singh Yadav MD, Hind Mechatronics, New Delhi – 110071	202011020533	Granted Application Patent Number : 538765 Certificate Issue : 21-05-2024
20.	A Pre-doffing Personal Protective Equipment Sanitization System	Mr. Pranav Tripathi Dr. Seema Nara	202011030723	Granted Application Patent Number : 547549 Certificate Issue : 12-08-2024
21.	A portable diagnostic system for a medical condition using X-ray imaging of Lungs	Prof. Mukul Shukla Mr. Mayank Mayookh Dr. Samir Saraswati Dr. P.K. Agarwal	202011031404	Granted Application Patent No. : 556978 Certificate Issue : 27-12-2024
22.	An Energy Harvesting, Storage and Delivery System	Prof. Ramesh Kumar Tripathi Mr. Jeetendra Prasad	202011042654	Granted Application Patent Number : 566014 Certificate Issue : 06-05-2025
23.	A modular hybrid converter for generating multiple direct current outputs and single multilevel alternating current output	Dr. Rajesh Gupta Mr. Pandla Chinna Dastagiri Goud	202011048237	Granted Application Patent Number : 506251 Certificate Issue : 01-02-2024
24.	A Multi-Modular Microbial Fuel Cell	Ms. Roma Agrahari Dr. Radha Rani	202011055658	Granted Application Patent Number : 464572 Certificate Issue : 31.10.2023
25.	A non-invasive assay and a method for early detection of ovarion cancer	Ms. Alka Singh Dr. Manisha Sachan	202111002569	Granted Application Patent Number : 551661 Certificate Issue : 30-09-2024
26.	An Anti-Biofilm and Anti-Quorum sensing formulation and a process thereof	Mr. Devendra Singh Dr. Vishnu Agarwal	202111003010	Granted Application Patent Number : 558081 Certificate Issue : 16-01-2025
27.	Assay for detecting a target analyte from biological sample and a method of detection thereof	Dr. Seema Nara Dr. Manisha Sachan Mr. Pranav Tripathi	202111005761	Granted Application Patent Number : 543707 Certificate Issue : 28-06-2024

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28.	A Formulation against urinary tract and other related bacterial infections	Mr. Devendra Singh Mr. Saud Masood Siddiqui Dr. Vishnu Agarwal	202111005759	Granted Application Patent Number : 557287 Certificate Issue : 31-12-2024
29.	A topical composition for treating bacterial infections	Prof. Shivesh Sharma & Mr. Jaspreet Singh Dr. Durgesh Kumar Tripathi	202111009001	Granted Application Patent Number : 568236 Certificate Issue : 01-07-2025
30.	A Method for preparing an animal feed and a product thereof	Dr. Nand Kumar Singh Ms. Akanksha Tripathi Ms. Preeti Sirohi Ms. Shadma Afzal	202111010394	Granted Application Patent Num : 541428 Certificate Issue : 11-06-2024
31.	A Biopolymer Coating For Implants and a Method of Preparation Thereof	Dr. Sangeeta Negi Prof. R.P. Tewari Mr. Avaneesh Pachauri Ms. Kumari Vibha	202111015120	Granted Application Patent Num : 553505 Certificate Issue : 29-10-2024
32.	A Smart Temperature Measuring System With Minimal Human Intervention	Prof. R.P. Tewari Dr. Ramesh Pandey Dr. Ashutosh Mishra Dr. Abhishek Kumar Tiwari Mr. Sajal Kumar Babu Degala`	202111020581	Granted Application Patent Num : 538361 Certificate Issue : 16-05-2024
33.	Detox Candle for on-site Detoxification of Lignocellulose Hydrolysate and Method of Fabrication Thereof	Dr. Sangeeta Negi Mr. Ajay Kumar Pandey	202111033291	Granted Application Patent Num : 449840 Certificate Issue : 06-09-2023
34.	A Process for the Treatment of Dye-Contaminated Wastewater and Simultaneous Bioelectricity Generation	Ms. Roma Agrahari Dr. Radha Rani	202111036172	Granted Application Patent Num : 548273 Certificate Issue : 21-08-2024
35.	A Portable Photovoltaics Powered Standalone Hybrid Power Supply System with Multi-Port Connectivity for Disinfection Devices	Prof . Rajesh Gupta Mr. Ajeet kumar Bhardwaj Mr. Anil Kumar Mr. Aman Kumar	202111046806	Granted Application Patent Num : 513978 Certificate Issue : 22-02-2024
36.	An Artificial Intelligence Based Enhanced Surveillance System and Method	Dr. Dushyant Kumar Singh Prof. Dharmender Singh Kushwaha	202111057419	Granted Application Patent Num : 54547 Certificate Issue : 22-07-2024
37.	A Dynamic Emergency Vehicle Clearance System	Mr. Biru Rajak Dr. Dushyant Kumar Singh Prof. Dharmender Singh Kushwaha	202211024605	Granted Application Patent Num : 521324 Certificate Issue : 07-03-2024

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38.	A Composition for inhibiting the Growth of Fungi	Dr. Ashutosh Mani Prof. Shivesh Sharma Ms. Shweta Srivastava Ms. Padmaja Rai	202211031283	Granted Application Patent Num : 521707 Certificate Issue : 07-03-2024
39.	A Site Inspection Autonomous Unmanned Aerial Vehicle System	Dr. J.C Mohanta Md. Faiyaz ahmed (SRF)	202211042865	Granted Application Patent Num : 541950 Certificate Issue : 14-06-2024
40.	Zinc Ferrite Modified Zinc Oxide Nanostructures based Electrochemical Biosensor for Detection of Hydrogen Peroxide	Dr. Amit Srivastava Dr. Naresh Kumar	202211049656	Granted Application Patent Num : 524306 Certificate Issue : 13-03-2024
41.	A Reversible Motion-Wire Electrochemical Spark Machining Device for Profile Cutting of Nanocomposite Work Piece	Mr. Harishanker Maurya Dr. Audhesh Narayan	202311014525	Granted Application Patent Num : 475324 Certificate Issue : 30-11-2023
42.	An AC-DC-DC/AC Boost Derived Hybrid Converter With Input Power Factor Correction	Prof. Rajesh Gupta Mr. Sandeep Ojha	202311023613	Granted Application Patent Num : 536527 Certificate Issue : 01-05-2024
43.	A system for Prediction of Raised Intracranial Pressure	Maninder Singh Vishal Gupta Shashwat Pathak Rajeev Gupta Basant Kumar Deepak Agarwal	202311026085	Granted Application Patent Num : 481350 Certificate Issue : 12-12-2023
44.	An Ionic Liquid-Based Nano-Photocatalyst and a Method of Preparation thereof	Dr. Dipesh S. Patle Dr.Sushil Kumar Ms.Aparna Gautam	202311049944	Granted Application Patent Num : 533205 Certificate Issue : 16-04-2024
45.	A Perovskite material based Reram device and a method of Fabrication thereof	Dr. Animesh Kumar Ojha Mr. Saurabh K. Ojha	202311050551	Granted Application Patent Num : 566152 Certificate Issue : 13-05-2025
46.	A Triple Slope Solar Still	Dr. Rahul Dev Mr. Rahul Patel	202311055074	Granted Application Patent Num : 557482 Certificate Issue : 06-01-2025
47.	A Photovoltaic Integrated Triple Slope Multi-Wick Solar Still	Dr. Ajaya Bharti Dr. Rahul Dev Mr. Rahul Patel	202311056016	Granted Application Patent Num : 561052 Certificate Issue : 24-02-2025

## Details of Design Patents and Copyright

Design				
S.No.	Title	Name of Faculty	Application No.	Application Status
1.	Gel Imaging Device	Mr. Pranav Tripathi Dr. Seema Nara	294796 (Design No.)	Granted Certificate Issue : 28-01-2019

Copyright				
S.No.	Title	Name of Faculty	Application No.	Application Status
1.	AMRIT (Assessment, Monitoring, Reporting and Intelligent Tracking)	Dr. Ashutosh Mani Dr. Ambak Kumar Rai Dr. Sameer Srivastava Dr. N.K. Singh Prof. Shivesh Sharma Mr. Vikalp Kr. Singh Mr. Himanshu Kashyap Prof. Geetika Prof. Rajeev Tripathi	Diary No. 6951/2020- CO/SW	Registered
2.	Question Paper Generator, OMR Design and OMR Evaluator for National Cadet Corps A Certificate Examination	Mr. Priyav K Kaneria Mr. Krishanu Dey Mr. Siddhart Jaiswal Dr. Divya Kumar	17779/2023- CO/SW	Registered

## Details of Technology Transfer

S.No.	Title	Faculty	Technology Transfer (Company Name / Organization)	Date
1.	<b>Viralyser : UV-C sanitization Cabinet</b> [Under DIC Project]	Dr. Sameer Srivastava Dr. Nand Kr. Singh Dr. Ashutosh Mani Prof. Rajeev Tripathi Prof. Shivesh Sharma Dr. Ambak Kr. Rai	Garg Telecom Cooperation, Prayagraj	12-05-2020
2.	<b>Hand Gloves Removing Device</b> [Under DIC Project]	Dr. Ambak Kr. Rai Prof. Shivesh Sharma Dr. Sameer Srivastava Dr. Ashutosh Mani Dr. Nand Kr. Singh Prof. Rajeev Tripathi	Caremont LLP, Banglore	09-09-2020
3.	<b>A portable diagnostic system for a medical condition using X-ray imaging of lungs</b>	Prof. Mukul Shukla Mr. Mayank Mayookh Dr. Samir Saraswati Dr. P.K. Agarwal	Allengers Medical System Ltd. (AMSL) Chandigarh	13-10-2020
4.	<b>"An Antimicrobial Herbal Formulation and a Process of Preparing the same" and "An Anti-Biofilm and Anti- Quorum Sensing Formulation and a Process Thereof"</b>	Mr. Devendra Singh Dr. Vishnu Agarwal	Wyton Pharmaceuticals & Agrotech Pvt. Ltd. Lucknow	25-11-2021
5.	<b>"Question Paper Generator, OMR Design and OMR Evaluator for National Cadet Corps A Certificate Examination"</b>	Mr. Priyav K Kaneria Mr. Krishanu Dey Mr. Siddhart Jaiswal Dr. Divya Kumar	NCC Group Headquarters, Prayagraj	27-07-2023
<b>Technology Transfer for Social Responsibilities</b>				
1.	<b>AMRIT APP (Assessment, Monitoring, Reporting and Intelligent Tracking)</b> [Under DIC Project]	Dr. Ashutosh Mani Dr. Ambak Kumar Rai Dr. Sameer Srivastava Dr. N.K. Singh Prof. Shivesh Sharma Mr. Vikalp Kr. Singh Mr. Himanshu Kashyap Prof. Geetika Prof. Rajeev Tripathi	District Administration	22-05-2020

S.No.	Title	Faculty	Technology Transfer (Company Name / Organization)	Date
2.	ViroShield [Under DIC Project]	Dr. Ambak Kr. Rai Dr. Ashutosh Mani Dr. Sameer Srivastava Prof. Shivesh Sharma Dr. Nand Kr. Singh Prof. Rajeev Tripathi	District Administration, Local Hospitals, High Court Allahabad, CMO Office, Nagar Nigam, Security Personnel, Superintendent of Police (Vigilance)	22-05-2020