

INDIAN INSTITUTE OF TECHNOLOGY

(BHU)

<u>LIST OF PATENTS</u> (From 2014 onwards)				
YEARS	PATENTS FILED	PATENTS PUBLISHED	PATENTS GRANTED	TRANSFER OF TECHNOLOGY
2014	03	06	0	0
2015	04	03	0	0
2016	16	01	0	0
2017	27	19	0	3
2018	42	25	0	0
2019	53	33	3	3
2020	34	42	0	0
2021	22	70	2	0
2022	31	17	40	1
2023	53	39	44	2
2024	01		02	1

List of Patents filed in the Year-2024

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	A METHOD OF PREPARATION OF A BIODEGRADABLE PACKAGING MATERIAL FROM SUGARCANE BAGASSE	2024 1100 1028	05-01-2024	Dr. Prodyut Dhar, Rahul Ranjan, Rohit	Bio Chemical Engg

List of Patents filed in the Year-2023

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	A WIRELESS BODY AREA NETWORK ENABLED FOG COMPUTING SYSTEM FOR REMOTE HEALTH MONITORING	2023 1100 0600	04-01-2023	Dr. Ajay Pratap, Moirangthem Biken Singh, Himanshu Singh	Computer Science & Engineering
2.	POLYMER-PARTICLE COMPOSITE RADIATIVE COOLING COATING	2023 1100 0699	04-01-2023	Prof. Jahar Sarkar, Shivam Tiwari, Prof Pralay Maiti, Jay Prakash Bijarniya	Mechanical Engg & SMST
3.	BIODEGRADABLE BAMBOO-BASED DRINKING STRAWS AND A METHOD OF PREPARATION THEREOF	2023 1100 2340	11-01-2023	Pradyut Dhar	Bio Chemical Engg
4.	Development of Transient Receptor Potential Ankyrin-1 (TRPA1) Nociceptor based siRNA Nano-Therapeutics for the Treatment of Chemotherapy-induced Neuropathic Pain	2023 1100 4138	20-01-2023	Tiwari V, Akhilesh, Uniyal Ankit, Tiwari Vineeta, Chouhan, Deepak, Gadepalli Anagha, Ummadisetty Obulatphi, Agrawal Somesh, Pandey Priyanka	Pharmaceutics & ICMR
5.	A NON-INVASIVE ANALYTICAL DEVICE FOR DETECTION OF A BIOMOLECULE	2023 1100 3683	23-01-2023	Dr. Ashish Kumar Mishra, Rohit Kumar Gupta	SMST
6.	A METHOD OF SYNTHESIZING 2D IN-SITU FUNCTIONALIZED SO ₃ H/SO ₃ -MOS ₂ NANOSHEETS FOR PHOTOCATALYTIC DYE DEGRADATION	2023 1100 7217	04-02-2023	Dr. Santanu Das, Mr. Vivek Kumar Singh, Dr. Bratindranath Mukherjee	Ceramic
7.	A SYSTEM AND METHOD FOR EMBEDDING VOICE BIOMETRIC BASED SECURITY MARK FOR INTELLECTUAL PROPERTY CORES PROTECTION	2023 1100 8221	08-02-2023	Dr. Mahendra Rathore	Jay Chaudhary Chair Faculty, Software Innovation Centre, IIT(BHU)

8.	A COMPOSITE HYDROGEL COMPOSITION AND A METHOD OF PREPARATION THEREOF	2023 1100 9955	14-02-2023	Dr. Avanish Singh Parmar, Kaustabh Naik	Physics
9.	WHITE LIGHT EMITTING METALLIC MAGNESIUM NANOCCLUSERS AND A METHOD OF PRODUCTION THEREOF	2023 1101 3937	02-03-2023	Dr. Manoj Kumar, Prachi Srivastava, Vivek Kumar Verma	Chemical & Biomedical
10.	HIGH-PERFORMANCE AQUEOUS ASYMMETRIC SUPERCAPACITOR DEVICE USING ABO ₂ -TYPE PSEUDOCAPACITOR ELECTRODES	2023 1101 5019	06-03-2023	Mr. Abhay Narayan Singh, Dr. Chandana Rath, Dr. Preetam Singh	SMST, Ceramic
11.	Dendrimer Stabilized Albumin Nanoparticles Loaded with Asiatic Acid for the Management of Alcohol Addiction		14-03-2023	Tiwari V, Uniyal Ankit, Chouhan, Deepak, Akhilesh, Tiwari Vineeta, Gadepalli Anagha, Ummadisetty Obulatphi, Agrawal Somesh, Pandey Priyanka	Pharmaceutics & ICMR
12.	LUFFA-PDMS-BASED COMPOSITE SCAFFOLD AND A METHOD OF PREPARATION THEREOF	2023 1101 7933	16-03-2023	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Shravanaya Gundu, Neelima Varshney	Bio Medical Engg
13.	A DIELECTRIC MATERIAL BASED CAPACITIVE ENERGY STORAGE DEVICE AND PREPARATION METHOD THEREOF	2023 1101 8983	21-03-2023	Pragyanand Prajapati, Akhilesh Kumar Singh	SMST
14.	POLYMER-CERAMIC COMPOSITE COATED DAYTIME RADIATIVE WATER COOLER SYSTEM	2023 1102 0582	23-03-2023	Prof. Jahar Sarkar, Shivam Tiwari, Prof Pralay Maiti, Jay Prakash Bijarniya	Mechanical Engg & SMST
15.	SUPERABSORBENT SOY-BASED CRYOGEL AND A METHOD OF PREPARATION THEREOF	2023 1102 3611	30-03-2023	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Shravanaya Gundu, Neelima Varshney	Bio Medical Engg
16.	A SYSTEM AND METHOD FOR EFFICIENT ROUNDING OFF BINARY FLOATING POINT NUMBERS TO NEAREST INTEGERS	2023 1102 6634	10-04-2023	Dr. Mahendra Rathore, Vishesh Mishra, Dr. Urbi Chatterjee	Jay Chaudhary Chair Faculty, Software Innovation Centre, IIT(BHU) and IITK
17.	SYSTEM FOR PERFORMING CROWD ANALYSIS AND A METHOD THEREOF	2023 1102 6897	11-04-2023	Prof. Rajeev Srivastava, Mr. Santosh Kumar Tripathy	Computer Science Engg

18.	A SECURED VISION-BASED SMART SURVEILLANCE SYSTEM AND METHOD THEREOF	2023 1103 0847	29-04-2023	Dr. Tanima Dutta, Ms. Nitika Nigam (PhD Student)	Computer Science & Engineering
19.	A STABILITY ANALYSIS AND HAZARD RATING SYSTEM FOR MINE OVERBURDEN DUMP SLOPE STRUCTURE	2023 1103 3474	12-05-2023	Mr. Gagan Gupta, Prof. Sanjay Kumar Sharma, Dr. GSP Singh	Mining Engg.
20.	FERROELECTRIC THIN FILM TRANSISTOR AND METHOD OF PREPARATION THEREOF	2023 1103 4676	17-05-2023	Dr. Bholu Nath Pal, Nila Pal, Rajarshi Chakraborty	SMST
21.	AN OPTICAL FIBER CABLE COLORING MACHINE	2023 1103 6387	25-05-2023	Dr. Debashis Khan, Dr. Ashwarya shed wali, Prof. Sandeep Kumar	Mechanical Engg
22	A MULTI-MODE ELECTRIC VEHICLE	2023 1103 7683	31-05-2023	Dr. Kalpana Chaudhary, Mr. Mitanshu Meena	Electrical Engg.
23	A POLYMERIC NANO-HYDROGEL COMPOSITION AND A METHOD OF PREPARATION THEREOF	2023 1103 8604	05-06-2023	Dr. Pradip Paik, Gurmeet Singh, Divya Parek, Sukanya Patra, Prem Shankar Gupta, Desh Deepak Yadav, Kirti Wasnik	Bio Medical Engg
24	A POLYMERIC NANOPARTICLE FORMULATION AND A METHOD OF PREPARATION THEREOF	2023 1104 1625	19-06-2023	Dr. Pradip Paik, Divya Parek, Sukanya Patra, Prem Shankar Gupta, Kirti Wasnik, Gurmeet Singh	Bio Medical Engg
25	AN INTEGRATED PHOTOBIOREACTOR-MICROBIAL FUEL CELL SYSTEM	2023 1104 1624	19-06-2023	Dr. Vishal Mishra, Ms. Manisha Verma	Bio Chemical Engg
26	A COPOLYMERIC FORMULATION AND A METHOD OF PREPARATION THEREOF	2023 1104 4454	03-07-2023	Prof. Pralay Maiti, Amita Santra	SMST
27	A DEVICE FOR DETECTION OF AN ANALYTE AND A METHOD OF FABRICATION THEREOF	202311045644	07-07-2023	Pranjal Chandra, Akanksha Singh, Indrani Nandi	Bio Chemical Engg

28	A SUPERCONDUCTIVE MESOSCOPIC FILM AND A METHOD OF FABRICATION THEREOF	2023 1104 6399	10-07-2023	Dr. Bhola Nath Pal, Sobhan Hazra	SMST
29	A LASER-DIRECTED MULTI-FUNCTIONAL ELECTROCHEMICAL PAPER-BASED SENSOR AND A METHOD OF FABRICATION THEREOF	2023 1104 7380	13-07-2023	Pranjal Chandra, Supratim Mahapatra, Rohini Kumari	Bio Chemical Engg
30	A SYSTEM AND METHOD FOR ASSESSING HYDRO-MECHANICAL PERFORMANCE OF WATER BARRIER PILLARS FOR COAL MINES	2023 1104 8779	20-07-2023	Dr. GSP Singh, Mr. Ankush Galav, Prof. Sanjay Kumar Sharma	Mining Engg.
31	AIR INTERFACE FOR INTEGRATED SENSING AND COMMUNICATION FOR 6G	2023 1105 0528	26-07-2023	Dr. Atul Kumar, Dr. Daljeet Singh, Dr. Hem Dutt Joshi, Dr. Ashutosh Kumar Singh, Dr Teemu Myllyla, Dr. Sonam Jain	Electronics Engg. IIT (BHU) University of Oulu, Thapar Institute of Engg. and Technology
32	A NANO-FORMULATION AND A METHOD OF PREPARATION THEREOF	2023 1105 1276	31-07-2023	Dr. Pradip Paik, Prem Shankar Gupta	Bio Medical Engg
33	A SYSTEM TO DETECT AND CLASSIFY SEVERITY OF FACE DAMAGE IN LONGWALL MINING	2023 1105 5546	18-08-2023	Mr. Bhaskara Behera, Dr. GSP Singh, Prof. Sanjay Kumar Sharma	Mining Engg.
34	A TRIMETALLIC CATALYST FOR GENERATION OF HYDROGEN AND A METHOD OF PREPARATION THEREOF	2023 1105 7308	26-08-2023	Dr. Rajesh Kumar Upadhyay, Anjali Baudh, Dr Sweta, Rahul Sharma	Chemical Engg & GAIL
35	A METHOD OF THREE DIMENSIONAL BIOPRINTING OF CHITOSAN BIO-INK TO PREPARE PRINTED STRUCTURES	2023 1105 7796	29-08-2023	Sanjeev Kumar Mahto, Parul Chaurasia	Biomedical Engg.

36	A COMPOSITION FOR TREATING BREAST CANCER AND A METHOD FOR PREPARATION THEREOF	2023 1106 1352	12-09-2023	Dr. Manoj Kumar, Rinki Verma	Chemical Engg. & Biomedical Engg.
37	A SIX SWITCH SINGLE-PHASE FIVE LEVEL RECTIFIER	2023 1106 1145	11-09-2023	Dr. Naveen Yalla, Dr. Rajeev Kumar Singh, Dr. Vivek Nandan Lal	Electrical Engg.
38	AN ULTRA-SPARSE MATRIX CONVERTER WITH AUXILIARY SHOOT-THROUGH SWITCHES	2023 1106 1308	12-09-2023	Vulavakayala Siva, Dr. santosh Kumar Singh	Electrical Engg.
39	A DUAL-PHASE NON-EQUIATOMIC HIGH ENTROPY ALLOY AND A METHOD OF PREPARATION THEREOF	202311061309	12-09-2023	Prof. N. K. Mukhopadhyay, Mr. Harsh Jain, Dr. Yagnesh Shadangi, Dr. Ashutosh Kumar Dubey	Mettalurgy and Ceramic
40	A METHOD OF PREPARATION OF BIODEGRADABLE PACKAGING MATERIAL FROM RICE STRAWS	2023 1106 1691	13-09-2023	Dr. Prodyut Dhar, Rahul Ranjan, Rohit	Bio Chemical Engg
41	A BIO-COMPOSITE MATERIAL AND A METHOD OF PREPARATION THEREOF	2023 1106 3585	21-09-2023	Prof. Pralay Maiti, Hans Raj, Swikriti Tripathi, Avishek Mallick Choudhary	SMST
42	A BIOMATERIAL-BASED COMPOSITION AND A METHOD OF PREPARATION THEREOF	2023 1106 5055	27-09-2023	Dr. Pradip Paik, Monika Singh, Shilpa Jaiswal, Sukanya Patra, Niru Mishra	Bio Medical Engg
43	AN ULTRASONIC VIBRATION ASSISTED MINIMUM QUANTITY LUBRICATION GRINDING SYSTEM	2023 1106 6181	03-10-2023	Abhimanyu Chaudhari, Ashwani Sharma, Vikas Diwakar, Dr. Meghanshu Vashista, Dr. Md. Zaheer Khan Yusufzai	Mechanical Engg

44	A 3D NANODENDRITIC ELECTROCHEMICAL SENSOR AND A METHOD OF PREPARATION THEREOF	2023 1106 7600	09-10-2023	Pranjal Chandra, Daphika S Dkhar, Rohini Kumari	Bio Chemical Engg
45	A BIOSENSING DEVICE AND A METHOD OF FABRICATION THEREOF	2023 1106 7950	10-10-2023	Pranjal Chandra, Darshana, Daphika s Dkhar, Pradeep Srivastava	Bio Chemical Engg
46	A METHOD OF PREPARATION OF 2D BIOCERAMIC NANOPLATES	2023 1106 8646	12-10-2023	Dr. Ashutosh Kumar Dubey, Urvashi Kesarwani	Ceramic Engg
47	A NANOPARTICLE-BASED COMPOSITION AND A METHOD OF PREPARATION THEREOF	2023 1107 4704	02-11-2023	Dr. Ruchi Chawla, Mohini Mishra	Pharmaceutics
48	A BIOSENSOR FOR DETECTION OF A BIOCHEMICAL ANALYTE AND A METHOD OF FABRICATION THEREOF	2023 1107 6099	09-11-2023	Dr. Ashish Kumar Mishra, Ankita Singh	SMST
49	A FILM FOR DAYLIGHT RADIATIVE COOLING AND A METHOD OF PREPARATION THEREOF	2023 1107 9464	22-11-2023	Prof. Jahar Sarkar, Swikriti Tripathi, Prof Pralay Maiti, Jay Prakash Bijarniya, Sudepta Bauri	Mechanical Engg & SMST
50	A HETEROCYCLIC SUBSTITUTED DICARBONYL COMPOUND AND A METHOD OF SYNTHESIS THEREOF	2023 1108 0715	28-11-2023	Dr. Rajnish, Mr. Bhanuranjan Das	Pharmaceutics
51	A NANO-FORMULATION FOR MANAGEMENT OF LUNG CANCER AND A METHOD OF PREPARATION THEREOF	2023 1108 1092	29-11-2023	Dr. Ruchi Chawla, Krishan Kumar	Pharmaceutics
52	A PORTABLE CURB-DROWNING MONITORING SYSTEM	2023 1108 9178	27-12-2023	Dr. Prasenjit Chanak, Mr. Nuthan Chingcetham, Prof. Pramod Kumar Jain	Computer Science & Engineering
53	A COMPOSTING SYSTEM FOR WASTE MANAGEMENT	2023 1108 9682	29-12-2023	Dr. Abhishek S. Dhoble, Jeetesh Kushwaha	Bio Chemical Engg

List of Patents filed in the Year-2022

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	A NON-INVASIVE METHOD OF DETECTING N-ACETYL- β -DGLUCOSAMINIDASE IN URINE SAMPLES AND A KIT THEREOF	2022 1100 1892	12-01-2022	Narsingh Raw Nirala, Priya Singh, Nupur Kumari, Rajiv Prakash	SMST
2.	A SMART WEARABLE SYSTEM FOR CONTACTLESS GONIOMETRIC MEASUREMENTS	2022 1100 2923	18-01-2022	Kishor Prabhakar Sarawadekar	Electronics Engg

3.	A SYSTEM AND METHOD FOR ELECTROCHEMICAL DETECTION AND QUANTIFICATION OF CELL CHARACTERISTICS AND FUNCTIONS	2022 1100 6300	06-02-2022	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
4.	A METHOD FOR ELECTRO/ELECTROCHEMICAL DIFFERENTIATION OF STEM CELLS	2022 1100 6545	07-02-2022	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
5.	FLUORESCENT FILM AND SPREADABLE INK FOR SECURITY APPLICATIONS AND METHOD OF PREPARATION THEREOF	2022 1100 9206	21-02-2022	Rajiv Prakash, Neeraj Kumar Giri, Ashish Kumar	SMST
6.	MESOPOROUS NANO-INORGANIC ANTIBIOTIC COMPOSITIONS AND METHOD OF PREPARATION THEREOF	2022 1101 5312	21-03-2022	Dr. Pradip Paik, Samedutta Maity	Bio Medical Engg
7.	QUATERNARY ANTIBIOTIC COMPOSITION AND METHOD OF PREPARATION THEREOF	2022 1101 5313	21-03-2022	Dr. Pradip Paik, Monica Pandey, Monika Singh	Bio Medical Engg
8.	A COMPOSITION FOR REMOVAL OF TOXIC ELEMENT AND A PROCESS THEREOF	2022 1101 6696	24-03-2022	Prof. P. C. Pandey	Chemistry
9.	A MOLYBDENUM DISELENIDE NANOSTRUCTURED CATHODE BASED RECHARGEABLE ZINC AIR BATTERY	2022 1102 0589	05-04-2022	Dr. Ashish Kumar Mishra, Prince Kumar Maurya	SMST
10.	A CENTER HORIZONTAL DEVICE FOR CENTRIFUGAL CASTING AND SYNTHESIS OF FUNCTIONALLY GRADED MATERIAL	2022 1102 1676	11-04-2022	Basudeb Rajak, Dr. Uppu Srinivas Rao, Prof. Rakesh Kumar Gautam, Jitendra Kumar Singh	Mechanical Engg

11.	AN IMAGING PROBE FOR DETECTION OF KEY BIOMARKERS IN ALZHEIMER DISEASE	2022 1102 7649	13-05-2022	Dr. G. P. Modi	Pharmaceutics & I.C.M.R.
12.	COMPOSITION AND METHOD FOR SYNTHESIS OF STRONTIUM HEXAFERRITE BASED NON-RARE EARTH MAGNETS	2022 1103 1284	31-05-2022	Dr. P.K. Roy, Akansha Gupta	Ceramic Engg
13.	A LOW COST FACILE FABRICATION METHOD FOR MANUFACTURING OF HIGHLY POROUS CERAMIC FOAM	2022 1103 1785	02-06-2022	Dr. Saroja Kanta Panda, Mr. Vaibhav Pandey, Mr. Mayank Kumar Yadav, Dr. Kalyani Mohanta	Mechanical Engg
14.	IN-SITU -SO ₃ H FUNCTIONALIZED TWO-DIMENSIONAL MOS ₂ NANOSHEETS AND METHOD OF PREPARATION THEREOF	2022 1103 3786	13-06-2022	Dr. Santanu Das, Mr. Vivek Kumar Singh, Dr. Bratindranath Mukherjee	Ceramic Engg
15.	A PORTABLE BULK HEATING DEVICE	2022 1103 6874	27-06-2022	Jitendra Kumar Singh, Dr. Uppu Srinivas Rao, Prof. Ram Pyare	Mechanical Engg
16.	A SYSTEM TO REDUCE ERRORS FOR DIGITAL IMAGE FORGERY DETECTION AND METHOD THEREOF	2022 1103 8984	07-07-2022	Prof. Rajeev Srivastava, Ankit Kumar Jaiswal	Computer Science & Engineering
17.	A COMPOSITE-BASED ENERGY HARVESTING DEVICE AND METHOD OF PREPARATION THEREOF	2022 1104 4511	03-08-2022	Prof. Pralay Maiti, Shivam Tiwari	SMST

18.	POLYVINYLENE DIFLUORIDE(PVDF)/NITROGEN- DOPED CARBON DOTS NANOCOMPOSITE FILM BASED CAPACITIVE ENERGY STORAGE DEVICE	2022 1104 8961	26-08-2022	Dr. Akhilesh Kumar Singh, Vishwa Pratap Singh	SMST
19.	AN ANTI-LEISHMANIAL STEROIDAL ALKALOID DRUG COMPOUND	2022 1104 9337	29-08-2022	Prof. Vikash Dubey, Dr. Pranjal Chandra, Ms. Naveena Menpadi	Bio Chemical Engg
20.	AN IMPROVED PHOTOVOLTAIC MODULE WITH DIRECT INTERNAL COOLING FEATURE	2022 1105 0095	01-09-2022	Dr. Ravi Prakash Jaiswal	Chemical Engg.
21.	AN ACCELEROMETER MOUNTING DEVICE	2022 1105 0355	02-09-2022	Prof. Brind Kumar, Amar Deep Pandey, Prof. Manoranjan Parida, Ashish Kumar Chouksey	Civil Engg IIT (BHU) & IIT Roorkee
22.	POLY-VINYLLIDENE FLUORIDE/HYDRATED ANTIMONY PENTOXIDE (PVDF/HAP) BASED NANOCOMPOSITE FILM-BASED CAPACITIVE ENERGY STORAGE DEVICE	2022 1105 0354	05-09-2022	Dr. Akhilesh Kumar Singh, Vishwa Pratap Singh	SMST
23.	RHOMBOHEDRAL HIGH- ENTROPY ALLOY of Mn-Al- Cu-Zn-Bi	2022 1105 1185	07-09-2022	Dr. Nand Kishore Prasad, Sanjula Pradhan, N. S. Anuraag, Shubham Kumar Shaw	Metallurgical

24.	COCRYSTALS OF DIMETHYL FUMARATE WITH ENHANCED PHYSIO-CHEMICAL STABILITY AND BIOLOGICAL ACTIVITY	2022 1105 5785	28-09-2022	Dr. S. Krishnamurthy, Mr. Qadir Alam	Pharmaceutics
25.	A THROMBIN RECEPTOR ANTAGONIST FOR MANAGEMENT OF LEISHMANIASIS	2022 1106 7169	22-11-2022	Prof. Vikash Kumar Dubey, Ms. Preeti Ranjan	Bio Chemical Engg
26.	DEVICE FOR ON-SITE GENERATION OF ULTRA-PURE HYDROGEN AND METHOD THEREOF	2022 1106 8058	25-11-2022	Dr. Rajesh Kumar Upadhyay	Chemical Engg
27.	ECO-FRIENDLY SYNTHETIC BEADS FOR REMOVAL OF HEXAVALENT CHROMIUM FROM WASTEWATER AND METHOD OF SYNTHESIS THEREOF	2022 1107 0192	05-12-2022	Dr. Vishal Mishra, Veer Singh, Prof. Mohan Prasad Singh	Bio Chemical Engg
28.	AN ATTENTIVE ENCODER-DECODER BASED SYSTEM FOR TRAFFIC LIGHT DETECTION	2022 1107 2383	14-12-2022	Prof. Rajeev Srivastava, Divya Singh	Computer Science & Engineering
29.	BIODEGRADABLE GEL FORMULATION AND A METHOD OF PREPARATION THEREOF	2022 1107 4050	20-12-2022	Prof. Pralay Maiti, Avishek Mallick Choudhary, Subham Sekhar Mandal, Ravi Prakash, Amita Santra, Naresh K. Singh, Manoranjan Sahu	SMST & Faculty of Veterinary and Animal Sciences (BHU)
30.	A COMPOSIE BACKBONE NETWORK BASED SYSTEM WITH ENHANCED AND SUPPRESSED FILTER FOR 3D VISUAL SALIENCY	2022 1107 7467	31-12-2022	Prof. Rajeev Srivastava, Surya Kant Singh	Computer Science & Engineering

31.	A SPRAYABLE HERBICIDE - BIOPOLYMER FORMULATION AND METHOD OF PREPARATION THEREOF	2022 1107 7465	31-12-2022	Prof. Pralay Maiti, Reshu Bhardwaj, Shivam Tiwari, Om Prakash, Ram Kumar Singh	SMST & Department of Agronomy (BHU)
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List of Patents filed in the Year-2021

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	<i>AN IMPROVED ORGANIC RANKINE CYCLE SYSTEM WITH COUPLED DIFFUSION ABSORPTION REFRIGERATION EFFECT</i>	2021 1100 0822	07-01-2021	Prof. Shailendra Kumar Shukla, Dr. Jeevan Vachan Tirkey, Mr. Saurabh Pathak, Mr. Tarun Singh	Mechanical Engg.
2.	AN IMPROVED SOLAR STILL ASSEMBLY FOR PURIFICATION OF RAW WATER	2021 1100 0980	08-01-2021	Prof. Shailendra Kumar Shukla, Dr. Jeevan Vachan Tirkey	CERD- Mechanical Engg.
3.	A MULTIFUNCTIONAL DIARYLUREA-HYDROXYAMIDINE BASED COMPOUND FOR TREATMENT OF ALZHEIMER DISEASE	2021 1100 1482	12-01-2021	G.P. Modi, Yash Pal Singh, Gaurav Singh, Gauri Shankar, Chinthala S. Praveen Kumar, Meenu Yadav	Pharmaceutics

4.	A NANOHERBICIDAL COMPOSITION AND A METHOD FOR ITS PREPARATION AND USES THEREOF	2021 1100 2570	19-01-2021	Reshu Bhardwaj, Preeti Maiti, Prof. Ram kumar Singh, Om Prakash, Prof. Pralay Maiti	Deptt. Of Agronomy, Institute OF Agriculture Sciences, SMST
5.	A DEVICE FOR DEPOSITION OF FLUID FOR CHROMATOGRAPHY	2021 1100 5760	11-02-2021	Dr. Alakh N Sahu, Mr. Dharmendra Yadav	Pharmaceutics
6.	A CHIRAL HOLLOW POLYMERIC NANOCAPSULE WITH DEFINED OPENING AND A PROCESS FOR ITS PREPARATION	2021 1100 7198	20-02-2021	Dr. Pradip Paik	Bio Medical Engg
7.	A DRUG LOADED THERMOSENSITIVE POROUS POLYMER FILM AND A METHOD OF PREPARATION THEREOF	2021 1100 9754	09-03-2021	Dr. Pradip Paik	Bio Medical Engg
8.	A GLASS MATRIX COMPOSITION FOR CONVERSION OF A BARREN LAND INTO A FERTILE LAND	2021 1101 1563	18-03-2021	Dr. R. K. Chaturvedi (Senior Scientific Officer)	Ceramic Engg
9.	A METHOD AND A KIT FOR DETECTING CONCENTRATION OF ANTI-TUBERCULOSIS DRUG IN A BIOLOGICAL SAMPLE	2021 1101 1562	18-03-2021	Ravi Prakash Ojha, Shweta Pal, Rajiv Prakash	SMST
10.	A NATURAL TEMPLATE BASED ANTICHOLINESTRASE INHIBITORS AND ANTIOXIDANTS FOR TREATMENT OF ALZHEIMER DISEASE	2021 1101 6470	07-04-2021	G.P. Modi, Yash Pal Singh, Gaurav Singh, Gauri Shankar, Atanu Barik, Lovejit Singh	Pharmaceutics
11.	A FACILE HOLLOW MESOPOROUS CHIRAL POLYMERIC NANOCAPSULE	2021 1102 0273	03-05-2021	Dr. Pradip Paik	Bio Medical Engg

	AND A PROCESS FOR ITS PREPARATION				
12.	A METHOD FOR DEVELOPMENT OF SYNERGISTIC NANO HYBRID STRUCTURE ON NANORODS	2021 1102 8517	25-06-2021	Dr. Santanu Das, Mr. Vivek Kumar Singh, Dr. Bratindranath Mukherjee	Ceramic Engg
13.	Adaptive optimal power management technique for Renewable Based Mix Energy System	2021 1103 1286	12-07-2021	Dr. R. K. Singh, Priyatosh Jena	Electrical Engg.
14.	SYSTEM AND METHOD FOR ENERGY MANAGEMENT AND VOLTAGE CONTROL THROUGH GRID-CONNECTED COMMUNITY ENERGY RESOURCES	2021 1103 3576	26-07-2021	Prof. Shiv Pujan Singh, Shailendra Singh	Electrical Engg.
15.	A DC/DC CONVERTER WITH BOTH CURRENT AND VOLTAGE SOURCE PROPERTY FOR OPTIMAL BATTERY CHARGING SYSTEM	2021 1103 9649	01-09-2021	Dr. R. K. Singh, Warda Matin Khan, Dr. Sachin Kumar Jain (Asst. Prof. IIITDM Jabalpur)	Electrical Engg.
16.	A PORTABLE COLORIMETRY SENSING DEVICE FOR POINT OF CARE DIAGNOSTICS	2021 1104 6586	12-10-2021	Pranjal Chandra, Supratim Mahapatra, Amit Thakur	Bio Chemical Engg
17.	A SUPERABSORBENT BIOCOMPATIBLE SOY-BASED HYDROGEL SCAFFOLD AND METHOD OF PREPARATION THEREOF	2021 1105 0848	05-11-2021	Dr. Sanjeev Kumar Mahto, Neelima Varshney	Bio Medical Engg
18.	ANALYTE DETECTION BASED ON ENHANCED CHEMILUMINESCENCE AND SMARTPHONE IMAGING IN BIOLOGICAL FLUIDS AND METHOD THEREOF	2021 1105 1598	10-11-2021	Narsingh Raw Nirala, Priya Singh, Nupur Kumari, Rajiv Prakash	SMST

19.	AN ASYMMETRIC TRANSISTOR AND METHOD OF FABRICATION THEREOF	2021 1105 2391	15-11-2021	Dr. Shushant Mittal, Dr. Shivam Verma	Electronics Engg.
20.	AN IMPROVED ELECTRO-KINETIC CONSTANT RATE-OF-STRAIN CONSOLIDOMETER	2021 1105 7176	08-12-2021	Deep Jyoti Singh, P. Bala Ramudu, Arun Prasad	Civil Engg, CED
21.	A DUAL-MODE EVAPORATIVE COOLER FOR COMPOSITE CLIMATE	2021 1105 7640	10-12-2021	Dr. Jahar Sarkar, Sarvesh Kashyap	Mechanical Engg.
22.	PREPARATION OF CARBON NANOCAPSULES FROM AZADIRACHTA INDICA SEED FOR THE TREATMENT OF BREAST CANCER	2021 1106 0434	23-12-2021	Dr. Pradip Paik, Samedutta Maity, Kirti Wasnik, Munendra Singh Tomar	Bio Medical Engg

List of Patents filed in the Year-2020

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	A NOVEL POROUS SCAFFOLD FOR ORTHOPEDIC APPLICATION AND A METHOD OF PREPARATION THEREOF	2020 1100 1700	14-01-2020	Dr. Kalyani mohanta, Mr. Mayank Kumar Yadav, Mr.Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
2.	SOLAR AIR HEATER WITH TROMBE WALL	2020 1100 3336	24-01-2020	Dr. Om Prakash Singh, Ajeet Pratap Singh	Mechanical Engg.
3.	AN ARSENIC RESISTANT BACTERIUM STRAIN	2020 1100 3640	27-01-2020	Dr. Vishal Mishra, Mr. Vipul Kumar Yadav	Bio Chemical Engg
4.	A BIOMETRIC BASED SYSTEM AND METHOD FOR MANAGEMENT OF PET ANIMAL	2020 1100 3639	27-01-2020	Dr. Sanjay Kumar Singh, Abhinav, Sandeep Sambhaji Udamale, Anshul, Dr. Rishav Singh, Dr. Arun kumar Sangaiah	Computer Science & Engineering
5.	A METHOD OF PREPARING BENZALDEHYDE THROUGH CATALYTIC OXIDATION	2020 1100 5531	07-02-2020	Dr. P.K. Roy, Mr. Mukesh Suthar	Ceramic Engg
6.	METHOD FOR FABRICATING A GAS SENSOR BY DEVELOPING THIN SOLID POLYMERIC FILM	2020 1100 5745	10-02-2020	Prof. RAJIV PRAKASH, Subhajit Jana	SMST
7.	A METHOD FOR PREPARING THREE DIMENSIONAL NANOFIBROUS COMPOSITE SCAFFOLD AND A PRODUCT THEREOF	2020 1100 6354	13-02-2020	Dr. Sanjeev Kumar Mahto, Suruchi Poddar, Agarawal Piyush Sunil	Bio Medical Engg
8.	EXTENDED LARGER AREA HETEROJUNCTION BASED BIO-SENSING DEVICE	202011014307	31-03-2020	Uvanesh Kasiviswanathan, Prof. Neeraj Sharma, Prof. Satyabrata Jit, Dr. Chandan Kumar, Dr. Sanjeev Kumar Mahto, Suruchi Poddar	Bio Medical Engg and Electronics Engg

9.	A COMPOSITION OF AUSTENITIC STAINLESS STEEL FOR MEDICAL IMPLANTS	202011015355	07-04-2020	Dr. G. S. Mahobia, Chadra Shekhar Kumar, Dr. Vakil Singh	Metallurgical Engg
10.	AN ECO-FRIENDLY METHOD OF FABRICATING MULLITE FOAM AND A PRODUCT THEREOF	202011015428	08-04-2020	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
11.	THREE ELECTRODE SYSTEM FOR INACTIVATION OF BACTERIAL CELLS	202011015621	09-04-2020	Dr. Marshal, Ashish Kumar Singh, Juhi Jaiswal	Bio Medical Engg
12.	NANOMATERIALS AND LOW ELECTRIC FIELD BASED MULTI-LAYER FACE MASKS AND A PROCESS OF FABRICATION THEREOF	202011016350	15-04-2020	Prof. RAJIV PRAKASH	SMST
13.	A TWO DIMENSIONAL PHOTSENSITIVE METAL OXIDE SEMICONDUCTOR (MOS) CAPACITOR	202011017140	21-04-2020	Santanu Das, Raja Kumar (Ceramic), Prof. S. Jit, Dr. Chandan Kumar(Electronics)	Ceramic Engg
14.	AN ANTI-MICROBIAL MULTI-LAYER FACE MASK AND A METHOD OF PREPARATION THEREOF	202011017291	22-04-2020	Dr. Marshal	Bio Medical Engg
15.	A METHOD OF PREPARING MULTIWALLED CARBON NANOTUBES	202011017647	24-04-2020	Ashish Kumar Mishra, Shanu Mishra, Somesh Sunil Jaiswal	SMST
16.	A METHOD OF FABRICATING DENSITY GRADIENT MULTI-LAYERED SPINEL REFRACTORY AND A PRODUCT THEREOF	202011017635	24-04-2020	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
17.	A NANOMATERIAL BASED ANTIMICROBIAL COMPOSITION AND A METHOD OF PREPARATION	202011017968	27-04-2020	Pradip Paik	Bio Medical Engg

	THEREOF				
18.	ELECTROCHEMICAL DEVICE FOR HYDROGEN PRODUCTION	202011018312	29-04-2020	Ashish Kumar Mishra, Shanu Mishra, Somesh Sunil Jaiswal	SMST
19.	SOY-BASED ELECTROSPUN NANOFIBROUS SHEET AND METHOD OF ELECTROSPINNING THEREOF	202011018560	30-04-2020	Sanjeev Kumar Mahto	Bio Medical Engg
20.	A METHOD OF SYNTHESIZING CARBON DOTS AND A PRODUCT THEREOF	202011018557	30-04-2020	Pradip Paik	Bio Medical Engg
21.	AN IMPROVED HYBRID SOLAR CHIMNEY BASED POWER GENERATION SYSTEM	202011020671	15-05-2020	Ajeet Pratap Singh, Dr. Om Prakash Singh	Mechanical Engg.
22.	AN ELECTROCHEMICAL SENSOR AND A DUAL SENSING PLATFORM FOR DETECTION OF CORONA VIRUSES AND A PROCESS FOR THEIR DEVELOPMENT	202011020946	18-05-2020	Prof. Rajeev Prakash	SMST
23.	DEVELOPMENT OF MULTIFUNCTIONAL POROUS POLYMERIC MEMBRANE USING ACCELERATOR FOR SEPARATION OF F-BLOCK ELEMENTS	202011023201	02-06-2020	Prof. Pralay Maiti	SMST
24.	A METHOD OF PREPARING A CATALYST FOR CATALYTIC CONVERTER AND A PRODUCT THEREOF	202011026380	22-06-2020	Dr. Deepak Yadav, Dr. Pratichi Singh, Prof. Ram Prasad, Dr. Pradeep Kumar	Chemical Engg
25.	COMPOSITION AND METHOD FOR SYNTHESIS OF STRONTIUM HEXAFERRITE	202011029080	08-07-2020	Dr. P.K. Roy, Ms. Akansha Gupta	Ceramic Engg

	BASED NON-RARE-EARTH MAGNETS				
26.	BIOCOMPATIBLE NANO- TRIBLOCK-CO-POLYMERS AND A PROCESS FOR THEIR PREPARATION	202011029248	09-07-2020	Pradip Paik	Bio Medical Engg
27.	AN IMPROVED DIGITAL STETHOSCOPE	202011030025	15-07-2020	Dr. Marshal, Taresh Sarvesh Sharan	Bio Medical Engg
28.	A MESOPOROUS ANTI- MICROBIAL NANOCOMPOSITE AND A METHOD OF PREPARATION THEREOF	202011031802	24-07-2020	Pradip Paik	Bio Medical Engg
29.	AN IMPROVED HIGH FLOW SOLAR CHIMNEY POWER PLANT	202011033120	01-08-2020	Ajeet Pratap Singh, Dr. Om Prakash Singh	Mechanical Engg.
30.	SYSTEM FOR ELECTRO-OSMOTIC SOIL CONSOLIDATION AND A METHOD THEREOF	202011038430	05-09-2020	P. Bala Ramudu, Deep Jyoti Singh, Arun Prasad	Civil Engg
31.	A METHOD FOR PREPARATION OF WASTE BACTERIAL CULTURE MEDIA BASED FLUORESCENT SECURITY INK	202011041316	23-09-2020	Dr. Vishal Mishra, Anadi Gupta	Bio Chemical Engg
32.	A METHOD OF DEMINERALIZATION OF SCALES, SHELLS AND BONES	202011045547	19-10-2020	Dr. Vishal Mishra, Anadi Gupta	Bio Chemical Engg
33.	A THREE DIMENSIONALLY(3D) PRINTED PHANTOM FOR COMMISSIONING OF GYNAECOLOGICAL BRACHYTHERAPY APPLICATORS	202011045297	17-10-2020	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Mr. Vinay Saini, Prof. Satyajit Pradhan	Bio Medical Engg and MPMMCC (TMC)

34.	MULTITARGET-DIRECTED TRIAZOLE BRIDGED CYCLOARYL ANALOGUES FOR TREATMENT OF ALZHEIMER'S DISEASE	202011047641	31-10-2020	Gopichand Gutti, Shushil Kr. Singh, Devendra Kumar, Ravi Singh, Ashok Kumar, Mr. A. Ganeshpurkar	Pharmaceutics
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List of Patents filed in the Year-2019

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1	AN IMPROVED SEGREGATOR	201911000354	03-01-2019	Dr. Vishal Mishra	Bio Chemical Engg
2	A MULTIFUNCTIONAL HYBRID 3-(4-HYDROXY-3-METHOXY-PHENYL) PROP-2-ENOIC ACID AND SUBSTITUTED AMINEPIPERAZINE DERIVATIVES FOR THE TREATMENT OF A	201911000362	03-01-2019	G.P. Modi, Yash Pal Singh, Amruta Pandey	Pharmaceutics
3	MAGNESIUM ZINC FERRITE-POLYURETHANE NANO COMPOSITE	201911000437	04-01-2019	Dr. Santanu Das, Mr. Rajarshi Bhattacharya, Dr. Tapas Kumar Bhattacharya, Dr. Somak Bhattacharya, Prof Pralay Maiti	Ceramic Engg, SMST, Electronics Engg
4	A METAL CERAMIC JOINT ADHESIVE	201911002765	23-01-2019	Prof Pralay Maiti, Dr. Santanu Das, Shivam Tiwari	Ceramic Engg, SMST
5	A METHOD FOR PREPARATION OF GRAPHENE-OXIDE NANOCOMPOSITES BASED SPRAYABLE PAINT COATING	201911008550	05-03-2019	Dr. Santanu Das, Mr. Rajarshi Bhattacharya, Dr. Somak Bhattacharya, Prof Pralay Maiti	Ceramic Engg, SMST, Electronics Engg

6	A METHOD OF PREPARING TITANIUM DIOXIDE BASED TRANSPARENT AND THIN FILMS AND A PRODUCT THEREOF	201911008546	05-03-2019	Dr. Md. Imteyaz Ahmad, Mr. Sooraj Kumar	Ceramic Engg
7	A BIOMETRIC BASED METHOD AND SYSTEM FOR IDENTIFYING AN INFANT	201911008955	07-03-2019	Dr. Sanjay Kumar Singh, Dr. Shrikant Tiwari, Dr. Rishav Singh, Dr. G R Sinha, Dr. Hari Om, Dr. Ritika Singh	Computer Science & Engineering
8	A METHOD OF PREPARING MINERAL FROM ALUMINIUM DROSS USING ORGANIC SOLVENT PRECIPITATION	201911008950	07-03-2019	Kamlesh Singh, Arunabh Meshram, Anant Jain, Divyansh Gautam	Metallurgical Engg
9	HOPPER WITH REPULSION TUBES	201911009585	12-03-2019	Dr. Vishal Mishra, Ms. Priyanka Yadav	Bio Chemical Engg
10	ALUMINIUM FOAM WITH HIGH POROSITY AND OPEN-CELLED MICROSTRUCTURE USING POWDER METALLURGY ROUTE AND A PROCESS THERE OF	201911010216	15-03-2019	Dr. Kalyani mohanta, Mr.Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
11	A NOVEL ANTI-COAGULANT FORMULATION AND A METHOD OF PREPARATION THEREOF	2019 1101 2094	27-03-2019	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, G.P. Modi, Gopichand Gutti, Shushil Kr. Singh	Pharmaceutics
12	MATERIAL FOR FASTER BONE HEALING	201911013103	02-04-2019	Prof. Pralay Maity, Arun Kumar Mohanta, Dr. S. Krishnamurthy, Mr. Pankaj paliwal	SMST, Pharmaceutics
13	FRICTION REDUCING COATING ON ORTHODONTIC WIRES	201911013104	02-04-2019	Chandan Upadhyay, Thakur Prasad Chaturvedi, Rajiv Prakash	SMST
14	A BIO-PIEZOELECTRIC DEVICE AND A METHOD OF PREPARATION	201911013972	07-04-2019	Prof. Pralay Maity, Anupma Gaur, ShivamTiwari- SMST	SMST & Bio

	THEREOF			& Chandan Kumar- School of Biomedical Engg.	Medical Engg
15	A NOVEL POLYMERIC HYDROGEL FOR TREATING MELANOMA CANCER AND A METHOD THEREOF	201911015958	22-04-2019	Prof. Pralay Maity, Aparna Shukla, Akhand Pratap Singh	SMST
16	A WASTE DERIVED NANO- SOL BINDER FOR CASTABLE REFRACTORY AND A METHOD OF PREPARATION THEREOF	201911016335	24-04-2019	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
17	AN UPCONVERTING PLATFORM FOR ARSENITE DETECTION IN WATER SAMPLES AND A METHOD OF PREPARATION THEREOF	201911017225	30-04-2019	Dr. Manoj Kumar	Chemical Engg
18	A NOVEL COMPOSITION FOR SURFACE MODIFICATION OF ANODE FOR ELECTROCHEMICAL APPLICATION	201911018781	10-05-2019	Dr. Sanjay Kumar, Dr. Radha Rani, Geetanjali	Bio Chemical Engg
19	A DIRECT BROADCAST SYSTEM USING CDMA TECHNOLOGY	201911019579	17-05-2019	Vipin Kumar Verma (Junior Assistant)	Bio Medical Engg
20	JANUS SHAPED SILVER- MAGNETITE NANOPARTICLES AND A METHOD OF PREPARATION THEREOF	201911020251	22-05-2019	Chandan Upadhyay, Pinki Singh	SMST
21	A NOVEL MATERIAL FOR TREATING WASTEWATER AND A METHOD OF PREPARATION THEREOF	201911020250	22-05-2019	Dr. Vishal Mishra, Mr. Veer Singh	Bio Chemical Engg
22	SOLAR AIR HEATER	2019 1102 1293	29-05-2019	Dr. Om Prakash Singh, Ajeet Pratap Singh	Mechanical Engg.

23	A METHOD OF PREPARING SYNTHETIC BEADS TO REMOVE HEAVY METALS FROM WASTE WATER	2019 1102 2735	07-06-2019	Dr. Vishal Mishra, Ms. Jyoti Singh	Bio Chemical Engg
24	A FOAMING AGENT FOR POROUS CERAMICS AND A METHOD OF PREPARATION THEREOF	2019 1102 5592	27-06-2019	Dr. Kalyani Mohanta, Mr. Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
25	HIGH POWER MICROWAVE SECTORAL WAVEGUIDE MODE CONVERTER	2019 1102 5593	27-06-2019	Vikram Kumar, Dr. Smrity Dwivedi, Prof. Pradip Kumar Jain	Electronics Engg.
26	A MICRO-FLUIDIC PLATFORM FOR LOW DENSITY CULTURE OF CELLS AND A METHOD FOR CONTROLLING THE SAME	2019 1102 4410	29-06-2019	Dr. Sanjeev Kumar Mahto, Surruchi Poddar	Bio Medical Engg
27	A NOVEL SPACE FILLER MATERIAL FOR POST-CANCER SURGERY AND A METHOD OF PREPARATION THEREOF	2019 1102 8001	12-07-2019	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
28	REORGANIZATION OF MOLECULES IN DISPOSED ABSORBENT MATERIALS INTO ENERGY PRODUCTS USING NANOCATALYST	2019 1103 0344	26-07-2019	Dr. Poushpi Dwivedi, Dr. Dhanesh Tiwary, Prof. P. K. Mishra, Dr. Jyoti Prasad Chakroborty, Ritendra Kumar, Neetu Singh	Chemistry & Chemical Engg.
29	A NOVEL SUSPENSION FOR THREE-DIMENSIONAL BIOPRINTING AND A METHOD OF PREPARATION THEREOF	2019 1103 0419	27-07-2019	Dr. Sanjeev Kumar Mahto, Surruchi Poddar, Agarawal Piyush Sunil	Bio Medical Engg
30	MACROPOROUS CERAMIC FOAM WITH HIGH POROSITY AND A PROCESS THEREOF	2019 1103 1635	30-07-2019	Dr. Kalyani Mohanta, Mr. Vaibhav Pandey, Dr. Ajay Kumar, Mr. Mayank Kumar	Ceramic Engg

				Yadav, Mr. Ashutosh Gupta	
31	A NOVEL POLYMER BLEND UTILIZING WASTE PLASTICS AND PROCESS OF PREPARATION THEREOF	2019 1103 1635	05-08-2019	Prof. Pralay Maiti, Dipti Saxena	SMST
32	AN INTEGRATED CONTINUOUSLY OPERATED WASTEWATER TREATMENT SYSTEM WITH MICROALGAL BIOMASS PRODUCTION	2019 1103 1783	06-08-2019	Dr. Vishal Mishra, Mr. Vishal Singh	Bio Chemical Engg
33	NOVEL QUINOLINYL PIPERAZINE DERIVATIVES FOR THE TREATMENT OF ALZHEIMER'S DISEASE	2019 1103 2481	10-08-2019	Prof. Sushil Kumar Singh, Dr. Ashok Kumar, Dr. Dileep Kumar Mr. Devendra Kumar, Mr. Gopichand Gutti, Mr. Ankit Ganeshpurkar	Pharmaceutics
34	AN N-TYPE METAL OXIDE INTERFACE BASED THIN FILM TRANSISTORS AND A METHOD OF PREPARATION THEREOF	2019 1103 3524	20-08-2019	Dr. Bhola Nath Pal, Anand Sharma, Nila Pal	SMST
35	A NOVEL COMPOUND FOR TREATING ALZHEIMER'S DISEASE AND A METHOD OF PREPARATION THEREOF	2019 1103 4300	24-08-2019	PiyooSh Sharma, Avanish Tripathi, Prabhash Nath Tripathi, Prashant Salunke, Dr. Sushant Kumar Srivastava	Pharmaceutics
36	SYNTHESIS OF N-BENZYLPIPERIDINE AND 5-(2,4-DICHLOROPHENYL)-1,3,4-OXADIAZOLE HYBRID WITH MULTIFUNCTIONAL ACTIVITIES AGAINST ALZHEIMER'S DISEASE	2019 1103 4164	24-08-2019	PiyooSh Sharma, Avanish Tripathi, Prabhash Nath Tripathi, Ashok Avhad, Dr. Sushant Kumar Srivastava	Pharmaceutics

37	N-{1-Benzylpiperidin-4-yl}-5-{4-(trifluoromethyl)phenyl}-1,3,4-oxadiazol-2-amine as multitargeted ligand to treat Alzheimer's disease	2019 1103 4930	29-08-2019	PiyooSh Sharma, Avanish Tripathi, Priyanka Kumari Choubey, Dr. Sushant Kumar Srivastava	Pharmaceutics
38	SYNTHESIS OF 2-(4-BROMOPHENYL)-5-(4-(TRIFLUOROMETHYL)PHENYL)-1,3,4-OXADIAZOLE FOR TREATING ALZHEIMER'S DISEASE AND METHOD OF PREPARATION THEREOF	2019 1103 4931	29-08-2019	PiyooSh Sharma, Avanish Tripathi, Priyanka Kumari Choubey, Dr. Sushant Kumar Srivastava	Pharmaceutics
39	A PROCESS FOR EFFICIENT BIOREMEDIATION OF CHEESE WASTEWATER	2019 1103 6799	12-09-2019	Dr. Sanjay kumar, Dr. Sameer Srivastav, Ashutosh Upadyay	Bio Chemical Engg
40	CONSTRUCTION BRICKS USING INDUSTRIAL WASTE WITH SIMPLE COMPOSITION AND PROCESS OPTIMIZATION	2019 1103 6988	13-09-2019	Dr. Kalyani mohanta, mr. Vaibhv pandey, dr. Ajay kumar	Ceramic Engg
41	SYSTEM FOR SPATION TEMPORAL TRAFFIC DATA REPORTING FOR SMART CITY SERVICES	2019 1103 7645	18-09-2019	Dr. Ankit gupta, Mr. Sumit Mishra	Civil Engg
42	A HIGHLY POROUS LIGHT WEGHT CERAMIC FOAM AND A PROCESS OF PREPARATION THEREOF	2019 1103 8240	23-09-2019	Dr. Kalyani mohanta, Mr. Vaibhav Pandey, Dr Ajay Kumar	Ceramic Engg
43	A NOVEL PROCESS FOR SYNTHESIS OF METAL NANOPARTICLES AND PRODUCT THEREOF	2019 1103 8744	25-09-2019	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
44	REBAMIPIDE LOADED TRANSDERMAL PATCH FOR	2019 1103 9568	30-09-2019	Dr. S. Krishnamurty, Ms. Akansha Mishra	Pharmaceutics

	NEURODEGENERATIVE DISEASE				
45	AN IMPROVED NOZZLE ASSEMBLY FOR UNIFORM FLUID DELIVERY	2019 1104 1364	12-10-2019	Mr. Prashant Srivastava, Dr. Amitesh Kumar	Mechanical Engg.
46	LATENT FINGERPRINT IMAGING RARE EARTH DOPED METAL OXIDE BASED NANOPHOSPHORS	2019 1104 2913	22-10-2019	Dr. Chandana rath, Sandeep Kumar	SMST
47	FMG SENSOR FOR HAND PROSTHESIS APPLICATION	2019 1104 3042	23-10-2019	Alok prakash, Dr. Shiru Sharma, Dr. Neeraj Sharma	Bio Medical Engg
48	NOVEL SULFONAMIDE DERIVATIVES OF PARA AMINO BENZOIC ACID FOR THE TREATMENT OF ALZHEIMER'S DISEASE	2019 1104 4199	31-10-2019	Prof. Sushil Kumar Singh, Dr. Ashok Kumar, Mr Ravi Singh, Mr. Gore Pravin Gangaram, Mr. Devendra Kumar, Mr. Gopichand Gutti, Mr. Ankit Ganeshpurkar	Pharmaceutics
49	A THREE-DIMENSIONAL SCAFFOLD FOR CARTILAGE TISSUE REGENERATION AND METHOD OF PREPARATION THEREOF	2019 1104 4200	31-10-2019	Prof. Pradeep Srivastava, Dr. Bisham Narayan Singh	Bio Chemical Engg
50	AN IMPROVED HDR BRACHYTHERAPY APPLICATOR APPARATUS	2019 1104 4724	04-11-2019	Neeraj Sharma, Lalit Mohan Aggarwal, Ankur Mourya, Mr. Pranjal Aggarwal, Dr. Uday P Shahi	Biomedical Engg and Dept. of Radiotherapy & Radiation Medicine (IMS BHU)
51	A NOVEL BIOACTIVE COMPOSITE SCAFFOLD AND A METHOD OF PREPARATION THEREOF	2019 1104 5141	06-11-2019	Prof. Pradeep Srivastava, Dr. Bisham Narayan Singh	Bio Chemical Engg

52	A COLLOIDAL QUANTUM DOTS (QDS) BASED ION SENSITIVE FIELD EFFECT TRANSISTOR	2019 1104 9752	03-12-2019	Prof. S. Jit, Dr. Hemant Kumar	Electronics Engg
53	A THERMALLY EFFICIENT OVER-EXPANSION STROKE BASED ENGINE	2019 1105 0006	04-12-2019	Jeewan Vachan Tirkey, Shailendra Kumar Shukla	Mechanical Engg

List of Patents filed in the Year-2018

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
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1.	COMPOSITION OF RESVERATROL-LOADED HYBRID NANOPARTICLES AND A METHOD OF PREPARATION THEREOF	201811012870	04-04-2018	Prof. Sanjay Singh ; Mr. Vijaykumar M.R.	Pharmaceutics
2.	A NANOCARRIER FOR DELIVERING GENETIC MATERIALS AND A METHOD OF PREPARATION THEREOF	201811004496	06-02-2018	Prof. Pralay Maiti, Sudipta Senapati	SMST
3.	A METHOD FOR SYNTHESIS OF CERIUM(IV) PYROPHOSPHATE COMPOUNDS	201811004846	08-02-2018	Dr. Bhupendra Singh, Lakshya Mathur, Sandeep Kumar Gautam, Devendra Kumar	Ceramic Engg
4.	A SYSTEM AND METHOD FOR GENERATING REAL-TIME TEXT PRESERVED OIL PAINTING USING SMART-DEVICE	201811010854	23-03-2018	Dr. Tanima Dutta Dr. Hari Prabhat Gupta & Mr. Sabyasachi Mohanty	Computer Science & Engineering
5.	TRIVALENT AI+3 DOPED MAGNETITE AND A METHOD OF PREPARATION THEREOF	201811002355	19-01-2018	Dr. Nand Kishore Prasad, Prof. R.K.Mandal, Manas Srivastav	Metallurgical Engg
6.	A THREE DIMENSIONAL POROUS PSYLLIUM HUSK-BASED COMPOSITE SCAFFOLD	201811004845	08-02-2018	Dr. Sanjeev Kumar Mahto, Suruchi Poddar, Agarawal Piyush Sunil	Bio Medical Engg
7.	A METHOD OF MANUFACTURING SYNTHETIC WOLLASTONITE BY UTILIZING WASTE MATERIALS	201811002872	24-01-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
8.	METHOD OF MANUFACTURING COMBINED TYPE HUMIDITY SENSOR BASED ON TUNGSTEN DOPED Y-TYPE BARIUM HEXAFERRITE	201811004844	08-02-2018	Mr. Mukesh Suthar, Dr. P.K. Roy	Ceramic Engg
9.	FUNCTIONALIZED GRAPHENE OXIDE BASED NANOPROBES	201811009385	14-03-2018	Prof. Pralay Maity, Sudipta Senapati	SMST
10.	HIGH ENERGY, HIGH CURIE TEMPERATURE FERRITES FOR HIGH POWER APPLICATIONS	201811009240	13-03-2018	Deepshikha Shekhawat, Dr. P.K. Roy	Ceramic Engg

11.	A PORTABLE TEST KIT FOR DETECTION OF GLUCOSE IN BIOLOGICAL FLUIDS AND A METHOD THEREOF	201811009239	13-03-2018	Prof. RAJIV PRAKASH,VINITA,NARSINGH R. NIRALA	SMST
12.	A PORTABLE BIOSENSING SYSTEM AND METHOD FOR VISUAL DETECTION OF GLUCOSE IN BIOLOGICAL FLUIDS	201811010352	21-03-2018	Prof. RAJIV PRAKASH,NARSINGH R. NIRALA,VINITA	SMST
13.	A POLYMER OR 2D NANO-COMPOSITE FILM AND A METHOD OF PRODUCTION THEREOF	201811013068	05-04-2018	Prof. RAJIV PRAKASH, Dr. Rajiv Kumar Pandey	SMST
14.	A BIOACTIVE GLASS AS AN ORTHODONTIC ADHESIVE AND A METHOD OF PRODUCTION THEREOF	201811014080	12-04-2018	Prof. Pralay Maity, Sudipta Senapati, SMST & Ajit V. Parihar, Sadhana Swaraj, T.P. Chaturvedi, FDS,IMS,BHU	SMST & FDS, IMS BHU
15.	EMG SENSOR FOR PROSTHETIC HAND CONTROL	201811016601	02-05-2018	Alok Prakash, Bindu Kumari, Dr. Shiru Sharma, Dr. Neeraj Sharma	Bio Medical Engg
16.	FORMULATION OF SILVER CONTAINING BIOACTIVE GLASS	201811017805	11-05-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal	Pharmaceutics
17.	A BIO-WASTE POLYMER HYBRID WITH HIGH ENERGY HARVESTING EFFICIENCY	201811016816	03-05-2018	Prof. Pralay Maity, Anupma Gaur, ShivamTiwari- SMST & Dr. Sanjay Kumar Rai, Chandan Kumar- School of Biomedical Engg.	SMST & Bio Medical Engg
18.	FABRICATION OF CERAMIC BOARD THROUGH SOLID-STATE SINTERING METHOD BY UTILIZING WASTE MATERIALS	201811016451	01-05-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg

19.	FABRICATION OF CERAMIC BOARD THROUGH ROOM TEMPERATURE CURING PROCESS BY UTILIZING WASTE MATERIALS	201811016452	01-05-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
20.	NANOHYBRID WITH HIGH ENERGY HARVESTING EFFICIENCY	201811018838	19-05-2018	Prof. Pralay Maity, Anupma Gaur, ShivamTiwari- SMST & Chandan Kumar- School of Biomedical Engg.	SMST & Bio Medical Engg
21.	A STABILIZED GREEN PRODUCT/COMPOSITION FROM HAZARDOUS JAROSITE WASTE AND PROCESS OF PREPARATION THER	201811028367	27-07-2018	Chayan Gupta, Prof. Arun Prasad	Civil Engg
22.	COMPOSITIONS AND METHODS FOR REDUCING CELL VIABILITY	62664836 (US PATENT)	30-04-2018	Dr. Rakesh k Srivastava, Sharmila Shankar, Dr. Sushant Kumar Srivastava	Pharmaceutics
23.	METHODS FOR TREATING CANCER AND METABOLIC SYNDROME	62666855 (US PATENT)	04-05-2018	Dr. Rakesh k Srivastava, Sharmila Shankar, Dr. Sushant Kumar Srivastava	Pharmaceutics
24.	A MICRO-FLUIDIC PLATFORM FOR LOW DENSITY CULTURE OF CELLS AND A METHOD FOR CONTROLLING THE SAME	201811024410	29-06-2018	Dr. Sanjeev Kumar Mahto, Suruchi Poddar	Bio Medical Engg
25.	A METHOD TO REDUCE SUSPENDED PARTICULATE MATTER IN AIR	201811027390	21-07-2018	Akhilesh Kumar Yadav, Dr. Aarif Jamal	Mining Engg.
26.	A SYSTEM FOR REDUCING HEAT LOSS IN BRICK KILNS	201811021148	06-06-2018	Dr. Jyoti Prasad Chakraborty	Chemical Engg
27.	A DEVICE FOR MODELLING SOFTWARE CLONE EVOLUTION ACROSS DIFFERENT VERSIONS AND A METHOD THEREOF	201811016656	02-05-2018	Prof. K. K. Shukla, Jayadeep Pati	Computer Science & Engineering
28.	POROUS SILICA SHAPES AND MANUFACTURING PROCESS	201811025421	06-07-2018	Dr. Kalyani mohanta	Ceramic Engg

	THEREOF				
29.	A NOVEL FORMULATION OF DABIGATRAN SOLID DISPERSION FORMULATION AND A METHOD OF PREPARATION THEREOF	201811029316	03-08-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal	Pharmaceutics
30.	A SYRINGE WITH CONTROLLED VOLUME DISPENSING SYSTEM	201811030441	14-08-2018	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Snehalata Rai	Bio Medical Engg
31.	A MULTI-UTILITY EQUIPMENT	201811033581	06-09-2018	Dr. Alakh N. Sahu, Dharmendra Yadav	Pharmaceutics
32.	A NOVEL BARIUM BIOACTIVE GLASS (BaBG) FORMULATION AND A METHOD THEREOF	201811033966	10-09-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, Smriti Gupta	Pharmaceutics
33.	A CYCLODEXTRIN GRAFTED POLYURETHANE HYDROGEL FOR DRUG DELIVERY AND A METHOD OF MAKING THE SAME	201811035914	24-09-2018	Dr. Santanu Das, Mr. Rajarshi Bhattacharya, Dr. Tapas Kumar Bhattacharya, Dr. Somak Bhattacharya, Prof Pralay Maiti	Ceramic Engg, SMST, Electronics Engg
34.	AN INSULATION BRICK AND METHOD OF PREPARATION THEREOF	201811033258		Dr. Arup Kumar Mandal, Prof O. P. Sinha	Metallurgical Engg
35.	A BIOREACTOR FOR CULTURING OF LIVING CELLS OR TISSUES	201811038940	13-10-2018	Prof. Pradeep Srivastava, Satyavrat Tripathi, Divakar Birendra kumar Singh	Bio Chemical Engg
36.	A BIOACTIVE GLASS DRUG FORMULATION FOR BONE REPAIR AND REGENERATION AND A METHOD OF PREPARTION THEREOF	201811040152	24-10-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal	Pharmaceutics

37.	AN ALKALINE EARTH METAL DOPED ZINC OXIDE NANOSHEETS AND METHOD OF PREPARATION THEREOF	201811044916	28-11-2018	Dr. Santanu Das, Abesh Banerjee Department of Biochemistry, University of Calcutta	Ceramic Engg
38.	A NOVEL HYDROGEL WITH HIGH MECHANICAL STABILITY AND A METHOD OF MAKING THE SAME	201811045481	01-12-2018	Pradip Paik	Bio Medical Engg
39.	SOLAR AIR HEATER	201811045795	04-12-2018	Dr. Om Prakash Singh, Ajeet Pratap Singh	Mechanical Engg.
40.	A STRONTIUM BASED RARE EARTH FREE HIGH ENERGY PERMANENT MAGNET FOR DC MOTOR APPLICATION AND A METHOD OF SYNTHESIS THEREOF	201811048780	22-12-2018	Dr. P.K. Roy, Deepshikha Shekhawat	Ceramic Engg
41.	A NOVEL NANO-BINDER IN CASTABLE REFRACTORY AND A METHOD OF PREPARATION THEREOF	201811049448	27-12-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
42.	HOPPER	201811049831	29-12-2018	Dr. Vishal Misra	Bio Chemical Engg

List of Patents filed in the Year-2017

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	A Medicated Biodegradable patch for Treating Wounds and a Method Thereof	201711003060	27-01-2017	Prof. Pralay Maity ; Prof. Manoranjan sahu ; Mr. Arpan Biswas	SMST ; IMS Ayurveda
2.	A METHOD FOR RAPID 3D PROTOTYPING OF SKELETAL MUSCLE TISSUE CONSTRUCTS USING A NOVEL COMPOSITION OF BIO-INK	201711004598	08-02-2017	Dr. S. K. Mahato ; Ashutosh Bandyopadhyay & Vimal Kumar Dewangan	Bio Medical Engg
3.	High Capacitance Electrode for Pseudocapacitors and a Method of Preparing the same.	201711007782	06-03-2017	Prof. Rajiv Prakash & Dr. Asha Gupta (RA)-SMST; Dr. Preetam Singh	SMST & Ceramic Engg
4.	A System and Method for Real-Time Cattle recognition using Muzzle Images	201711008958	15-03-2017	Dr. Sanjay Kumar Singh, Dr. Tanima Dutta, Dr. Hari Prabhat Gupta, Mr. Santosh Kumar	Computer Science and Engineering
5.	AN ORAL COMPOSITION OF INDOLE-3-CARBINOL AND A METHOD OF PREPARATION THEREOF	201711026941	28-07-2017	Dr. Sairam krishnamurthy ; Mr. Pankaj Paliwal ; Gaurav Chauhan	Pharmaceutics

6.	A PSA BIO-SENSING PLATFORM WITH GRAPHENE QUANTUM DOT-GOLD NANO-PARTICLE ELECTRODE AND A METHOD THEREOF	201711035660	07-10-2017	Prof. Rajiv Prakash & Narsingh Raw Nirala ; Monika Srivastava	SMST
7.	A REAL TIME WRITING INSTRUMENT GRIP AND MOTION MONITORING SYSTEM	201711028197	08-08-2017	Dr. Hari Prabhat Gupta, Dr. Tanima Dutta & Ms. Surabhi Saraswat	Computer Science & Engineering
8.	Cholinesterase Inhibiting Compounds, Composition and Process thereof.	201611011127	23-03-2017	Dr. S. K. Srivastava , Saurabh K Sinha	Pharmaceutics
9.	A METHOD OF SYNTHESIS OF SOFT HARD FERRITES	201711025371	17-07-2017	Dr. P.K. Roy, SK Saddam Hossain, Deepshikha Shekhawat	Ceramic Engg
10.	CERAMIC MATRIX COMPOSITE OF FERRITE AND FERROELECTRIC COMPOUND AND A METHOD OF SYNTHESIS THEREOF	201711029705	22-08-2017	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
11.	GREEN METHOD FOR FAST REDUCTION OF GRAPHENE OXIDE	201711036056	11-10-2017	Dr. Santanu Das, shaikh Mohammad Zaeem : : Ceramic Engg	Ceramic Engg
12.	A PHARMACEUTICAL COMPOSITION OF SULFONAMIDE DERIVATIVES FOR THE TREATMENT OF ALZHEIMER'S DISEASE	201711041328	18-11-2017	Dr. S.K. Singh, Dr. G. P. Modi, Mr. D. Kumar, Ms. R. Swetha, Mr. C. Gayen, Mr. A. Ganeshpurkar :: Pharmaceutics	Pharmaceutics
13.	HIGH SURFACE AREA, HIGH PURITY AND HIGH CONDUCTANCE MONO-LAYERED REDUCED GRAPHENE OXIDE	201711043028	30-11-2017	Dr. Santanu Das, shaikh Mohammad Zaeem, Nitish Agrawal : : Ceramic Engg	Ceramic Engg
14.	A SELF-EXPANDING SHAPE-MEMORY POLYMER NANOHYBRID AND A METHOD OF PREPARING THE SAME	201711030194	25-08-2017	Prof. Pralay Maity & Arpan Biswas:: SMST	SMST
15.	AN ORAL BIOACTIVE GLASS FORMULATION CONTAINING AQUEOUS MICRONIZED BARIUM OXIDE FOR TREATING GASTRO-DUODENAL ULCERS	201711031854	08-09-2017	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, :- Pharmaceutics :: Mr. S. K. Arepalli :- Ceramic Engg	Pharmaceutics & Ceramic Engg
16.	A BIOACTIVE GLASS BASED FORMULATION FOR TREATING CEREBRAL ISCHEMIC REPERFUSION INJURY AND METHOD THEREOF	201711032099	11-09-2017	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, :- Pharmaceutics	Pharmaceutics

17.	A METHOD AND SYSTEM FOR IDENTIFYING CATTLE BY COMBINING UNIQUE IDENTIFICATION OF OWNER AND CATTLE	201711032865	16-09-2017	Dr. Sanjay Kumar Singh, Debanjan Sadhya, Anshul Sharma, RAVI SHANKAR SINGH, KUNDAN KUMAR, RISHAV SINGH	Computer Science & Engineering
18.	SELF ADJUSTING FIXED TYPE JETTY AND A PROCESS OF ADJUSTING THEREOF	201711031587	06-09-2017	Dr. K.K. Pandey, Dr. Rajesh Kumar, Ankit Patel, Achin Agrawal	Civil Engg
19.	HIGH TEMPERATURE APPLICABLE BINDER FROM EGG SHELL AND A METHOD OF SYNTHESIS THEREOF	201711035361	05-10-2017	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
20.	A STRONTIUM-BASED HIGH ENERGY HARD MAGNET AND A METHOD OF PRODUCTION THEREOF	201711041329	18-11-2017	Dr. P.K. Roy, Deepshikha Shekhawat	Ceramic Engg
21.	A BIOACTIVE GLASS SCAFFOLD AND A METHOD OF PREPARATION THEREOF	201711035474	06-10-2017	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, Shreyasi Majumdar, :- Pharmaceutics :: Mr. S. K. Arepalli :- Ceramic Engg	Pharmaceutics & Ceramic Engg
22.	"METHOD OF MANUFACTURING OF CERAMICS BY UTILIZING WASTE MATERIALS"	201711038451	30-10-2017	Dr. P.K. Roy, SK Saddam Hossain, Ram Pyare	Ceramic Engg
23.	A NOVEL POLYMERIC PATCH FOR TREATING MELANOMA CANCER AND A METHOD THEREOF	201711045345	18-12-2017	Prof. Pralay Maity, Aparna Shukla, Akhand Pratap Singh	SMST
24.	A METHOD TO ENHANCE THERMAL STABILITY AND EFFICIENCY IN POROUS FLUOROPOLYMER HYBRID MEMBRANE	201711027183	31-07-2017	Prof. Pralay Maity, Om Prakash	SMST
25.	A COMPOSITION AND METHOD TO PREPARE NATURALLY PRESERVED AND UNIFORMLY COOKING HEALTH FOOD	201711031556	06-09-2017	Dr. P. K. Mishra & Ms. Neha Srivastava :: Chemical Engg	Chemical Engg
26.	SUBSTRATE-ASSISTED SYNTHESIS OF DIVERSE MORPHOLOGIES OF UPCONVERTING NANOMATERIALS	201711014647	25-04-2017	Dr. Manoj Kumar ; Mr. Sudhir Ranjan & Prof. Rajiv Prakash	Chemical Engg & SMST
27.	GREEN SYNTHESIS PROCESS OF UPCONVERTING NaYF ₄ :Yb ³⁺ , Tm ³⁺ NANOMATERIALS AND PRODUCTS THEREOF	2017 1101 8827	29-05-2017	Dr. Manoj Kumar ; Mr. Sudhir Ranjan	Chemical Engg

List of Patents filed in the Year-2016

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	Advanced Electrode Materials for Superior Psuedocapacitors and Reversible Alkali-ion (Li ⁺ /Na ⁺) Batteries	201611007934	04-03-2016	Dr. Preetam Singh ; Prof. Rajiv Prakash	Ceramic Engg/ SMST
2.	A Fermenter for Enhanced Bio-Hydrogen Production through Fermentative Route	201611011909	04-04-2016	Prof. P. K. Mishra ; Neha Srivastava	Chemical Engg
3.	A Method and System for Variable Film Deposition on a Solid Substate	201611016344	10-05-2016	Dr. Manoj Kumar	Chemical Engg
4.	Topical Composition for treatment of Burns with Enhanced Penetration and Method of Formulating The Same	201611020044	11-06-2016	Aparajita Dutta ; Gyanendra Singh ; Prof. A. K. Srivastava	Pharmaceutics

5.	A Biomass Composition for thermal Insulation and Method of Manufacturing the same	201611024361	15-07-2016	Dr. M. R. Majhi ; SK Saddam Hossain & Aman Bhardwaj	Ceramic Engg
6.	A Device with Improved Modulation Cavity for High Pulse Microwave Signal Generation and Method Thereof	201611032924	27-09-2016	Manpuran Mahato ; Prof. P. K. Jain	Electronics Engg
7.	A Method for Controlled Biodegradation of Biopolymer using Inorganic Salt and Product Thereof.	201611029959	01-09-2016	Prof. Pralay maity ; Sunil Kumar	SMST
8.	A Composition for Bricks from Waste Materials and Method of manufacturing the Same	201631030744	08-09-2016	SK Saddam Hossain ; Lakshya Mathur & Dr. M. R. Majhi	Ceramic Engg
9.	A SOLUTION PHASE SYNTHESIS FOR DOPED/UNDOPED CERIUM(IV) PYROPHOSPHATE COMPOUNDS OF DIFFERENT MORPHOLOGIES	201611033229	29-09-2016	Dr. Bhupendra Singh	Ceramic Engg
10.	A PROCESS FOR PREPARING PYROPHOSPHATE-CARBONATE COMPOSITE IONIC CONDUCTORS AND THE PRODUCT THEREOF	201611035232	14-10-2016	Dr. Bhupendra Singh	Ceramic Engg
11.	A SYSTEM FOR CHANNELING AND ENCASING CONDITIONED AIR AROUND PROCESSING UNIT AND THE METHOD THEREOF	201611038371	10-11-2016	Dr. Ravindranath Chowdary Chandra ; Manajit Chakraborty	Computer Science & Engineering
12.	A Method for Preparing tiles and Composition Thereof.	201631039979	23-11-2016	SK Saddam Hossain ; Lakshya Mathur ; Dr. Preetam Singh & Dr. M. R. Majhi	Ceramic Engg
13.	A Method for Stabilizing An Ayurvedic Wound Healing Formulation	201611041318	02-12-2016	Prof. Pralay Maity ; Arpan Biswas ; Manori Amarajeewa & Dr. Manoranjan Sahu	SMST & IMS (Ayurveda)
14.	A Process for Producing Ph Independent Cellulose and Product Thereof.	201611043036	16-12-2016	Prof. P. K. Srivastava ; Neha Srivastava ; Manish Srivastava & Dr. P. W. Ramteke	Chemical Engg & Delhi Univ.
15.	'LEAD-FREE PIEZOELECTRIC CERAMICS WITH ENHANCED PIEZOELECTRIC AND STRAIN PROPERTIES AND A METHOD THEREOF';	201611043293	19-12-2016	Dr. P. K. Roy ; Dr. K.B.R. Verma & Dr. Bharti Ponraj	Ceramic Engg
16.	A Process to Produce High Energy Strontium Based Permanent Magnet	201611043294	19-12-2016	Dr. P. K. Roy ; Deepshikha Shekhawat	Ceramic Engg

	and A Product Thereof.				
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List of Patents filed in the Year-2015

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	A system and Method for Inrush and Fault Detection for Differential Protection of Transformer	2630/DEL/2015	25-08-2015	Prof. D.Singh, Prof. R.K. Mishra & Ms. Aprita Roy, Naveen Jha(Mathematics)	Electrical Engg

2.	A Novel Method to Prepare TiO ₂ Nanoparticles Through A Hydrothermal Route	3022/DEL/2015	23-09-2015	Dr. C. Rath	SMST
3.	Apparatus for Alcohol Production by Fermentation with Integrated Reaction Cum Separation Unit	3078/DEL/2015	28-09-2015	Prof. P K Mishra & Deepika Kushwaha	Chemical Engg
4.	A Method and System for Interacting with Computers or Other Electronic System based on dactylology	4114/DEL/2015	15-12-2015	Dr. Kishor Sarawadekar & Gourav Modanwal	Electronics Engg

List of Patents filed in the Year-2014

Sl. No.	Title	Application No.	Filing Date	Inventor's Name	Department
1.	Technique For Protection Of Ferrocement From Corrosion	3663/DEL/2014	16-01-2015	Prof. M. A. Quraishi	Chemistry
2.	A Process For The Polyethylenimine And Organic Reducing Agent -Mediated Synthesis Of Noble Metal Nanoparticles, And Prussian Blue Nanoparticles Therefrom	4043/DEL/2014	01-07-2016	Prof. P.C. Pandey	Chemistry
3.	Ploy (lactic acid) and process for preparation	236/Jan 28, 2014		Prof. S.N. Upadhyay	Chemical Engg

Patents Published in the year 2023

Sl.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
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No.						
1.	A NOVEL SPACE FILLER MATERIAL FOR POST-CANCER SURGERY AND A METHOD OF PREPARATION THEREOF	Published on 17/02/2023	2019 1102 8001	12-07-2019	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
2.	DEVICE FOR ON-SITE GENERATION OF ULTRA-PURE HYDROGEN AND METHOD THEREOF	Published on 25/09/2023	202211068058	25-11-2022	Dr. Rajesh Kumar Upadhyay	Chemical Engg
3.	RHOMBOHEDRAL HIGH-ENTROPY ALLOY of Mn-Al-Cu-Zn-Bi	Published on 25/09/2023	2022 1105 1185	07-09-2022	Dr. Nand Kishore Prasad, Sanjula Pradhan, N. S. Anuraag, Shubham Kumar Shaw	Metallurgical
4.	A METHOD FOR ELECTRO/ELECTROCHEMICAL DIFFERENTIATION OF STEM CELLS	Published on 25/09/2023	2022 1100 6545	07-02-2022	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
5.	A SYSTEM AND METHOD FOR ELECTROCHEMICAL DETECTION AND QUANTIFICATION OF CELL CHARACTERISTICS AND FUNCTIONS	Published on 25/09/2023	2022 1100 6300	06-02-2022	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
6.	A SMART WEARABLE SYSTEM FOR CONTACTLESS GONIOMETRIC MEASUREMENTS	Published on 25/09/2023	2022 1100 2923	18-01-2022	Kishor Prabhakar Sarawadekar	Department of Electronics Engineering,
7.	A NON-INVASIVE METHOD OF DETECTING N-ACETYL- β -DGLUCOSAMINIDASE IN URINE SAMPLES AND A KIT THEREOF	Published on 25/09/2023	2022 1100 1892	12-01-2022	Narsingh Raw Nirala, Priya Singh, Nupur Kumari, Rajiv Prakash	SMST
8.	POLY-VINYLDENE FLUORIDE/HYDRATED ANTIMONY PENTOXIDE (PVDF/HAP) BASED NANOCOMPOSITE FILM-BASED CAPACITIVE ENERGY STORAGE	Published on 26/09/2023	2022 11050354	05-09-2022	Dr. Akhilesh Kumar Singh, Vishwa Pratap Singh	SMST

	DEVICE					
9.	AN ANTI-LEISHMANIAL STEROIDAL ALKALOID DRUG COMPOUND	Published on 26/09/2023	2022 1104 9337	29-08-2022	Prof. Vikash Dubey, Dr. Pranjal Chandra, Ms. Naveena Menpadi	Bio Chemical Engg
10.	ECO-FRIENDLY SYNTHETIC BEADS FOR REMOVAL OF HEXAVALENT CHROMIUM FROM WASTEWATER AND METHOD OF SYNTHESIS THEREOF	Published on 26/09/2023	2022 1107 0192	05-12-2022	Dr. Vishal Mishra, Veer Singh, Prof. Mohan Prasad Singh	Bio Chemical Engg
11.	AN ATTENTIVE ENCODER-DECODER BASED SYSTEM FOR TRAFFIC LIGHT DETECTION	Published on 26/09/2023	2022 1107 2383	14-12-2022	Prof. Rajeev Srivastava, Divya Singh	Computer Science & Engineering
12.	AN ACCELEROMETER MOUNTING DEVICE	Published on 26/09/2023	2022 1105 0355	02-09-2022	Prof. Brind Kumar, Amar Deep Pandey, Prof. Manoranjan Parida, Ashish Kumar Chouksey	Civil Engg. IIT(BHU) & IIT Roorkee
13.	A METHOD OF SYNTHESIZING 2D IN-SITU FUNCTIONALIZED SO ₃ H/SO ₃ -MOS ₂ NANOSHEETS FOR PHOTOCATALYTIC DYE DEGRADATION	Published on 27/09/2023	2023 1100 7217	04-02-2023	Dr. Santanu Das, Mr. Vivek Kumar Singh, Dr. Bratindranath Mukherjee	Ceramic
14.	A NON-INVASIVE ANALYTICAL DEVICE FOR DETECTION OF A BIOMOLECULE	Published on 27/09/2023	2023 1100 3683	23-01-2023	Dr. Ashish Kumar Mishra, Rohit Kumar Gupta	SMST
15.	A WIRELESS BODY AREA NETWORK ENABLED FOG COMPUTING SYSTEM FOR REMOTE HEALTH MONITORING	Published on 27/09/2023	2023 1100 0600	04-01-2023	Dr. Ajay Pratap, Moirangthem Biken Singh, Himanshu Singh	Computer Science & Engineering
16.	BIODEGRADABLE BAMBOO-BASED DRINKING STRAWS AND A METHOD OF PREPARATION THEREOF	Published on 27/09/2023	2023 1100 2340	11-01-2023	Pradyut Dhar	Bio Chemical Engg

17.	POLYMER-PARTICLE COMPOSITE RADIATIVE COOLING COATING	Published on 27/09/2023	2023 1100 0699	04-01-2023	Prof. Jahar Sarkar, Shivam Tiwari, Prof Pralay Maiti, Jay Prakash Bijarniya	Mechanical Engg & SMST
18.	A COMPOSIE BACKBONE NETWORK BASED SYSTEM WITH ENHANCED AND SUPPRESSED FILTER FOR 3D VISUAL SALIENCY	Published on 27/09/2023	2022 1107 7467	31-12-2022	Prof. Rajeev Srivastava, Surya Kant Singh	Computer Science & Engineering
19.	A SYSTEM AND METHOD FOR EFFICIENT ROUNDING OFF BINARY FLOATING POINT NUMBERS TO NEAREST INTEGERS	Published on 30/09/2023	2023 1102 6634	10-04-2023	Dr. Mahendra Rathore, Vishesh Mishra, Dr. Urbi Chatterjee	Jay Chaudhary Chair Faculty, Software Innovation Centre, IIT(BHU) and IITK
20.	A SECURED VISION-BASED SMART SURVEILLANCE SYSTEM AND METHOD THEREOF	Published on 30/09/2023	2023 1103 0847	29-04-2023	Dr. Tanima Dutta, Ms. Nitika Nigam (PhD Student)	Computer Science & Engineering
21.	A STABILITY ANALYSIS AND HAZARD RATING SYSTEM FOR MINE OVERBURDEN DUMP SLOPE STRUCTURE	Published on 30/09/2023	2023 1103 3474	12-05-2023	Mr. Gagan Gupta, Prof. Sanjay Kumar Sharma, Dr. GSP Singh	Mining Engg.
22.	FERROELECTRIC THIN FILM TRANSISTOR AND METHOD OF PREPARATION THEREOF	Published on 30/09/2023	2023 1103 4676	17-05-2023	Dr. Bhol Nath Pal, Nila Pal, Rajarshi Chakraborty	SMST
23.	AN OPTICAL FIBER CABLE COLORING MACHINE	Published on 30/09/2023	2023 1103 6387	25-05-2023	Dr. Debashis Khan, Dr. Ashwarya shed wali, Prof. Sandeep Kumar	Mechanical Engg
24.	BIODEGRADABLE GEL FORMULATION AND A METHOD OF PREPARATION THEREOF	Published on	2022 1107 4050	20-12-2022	Prof. Pralay Maiti, Avishek Mallick Choudhary, Subham Sekhar	SMST & Faculty of Veterinary and Animal Sciences

		30/09/2023			Mandal, Ravi Prakash, Amita Santra, Naresh K. Singh, Manoranjan Sahu	(BHU)
25.	SUPERABSORBENT SOY-BASED CRYOGEL AND A METHOD OF PREPARATION THEREOF	Published on 30/09/2023	2023 1102 3611	30-03-2023	Dr. Sanjeev Kumar Mahto	Bio Medical Engg
26.	LUFFA-PDMS-BASED COMPOSITE SCAFFOLD AND A METHOD OF PREPARATION THEREOF	Published on 30/09/2023	2023 1101 7933	16-03-2023	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Shravanya Gundu, Neelima Varshney	Bio Medical Engg
27.	A DIELECTRIC MATERIAL BASED CAPACITIVE ENERGY STORAGE DEVICE AND PREPARATION METHOD THEREOF	Published on 30/09/2023	2023 1101 8983	21-03-2023	Pragyanand Prajapati, Akhilesh Kumar Singh	SMST
28.	A SYSTEM AND METHOD FOR EMBEDDING VOICE BIOMETRIC BASED SECURITY MARK FOR INTELLECTUAL PROPERTY CORES PROTECTION	Published on 30/09/2023	2023 1100 8221	08-02-2023	Dr. Mahendra Rathore	Jay Chaudhary Chair Faculty, Software Innovation Centre, IIT(BHU)
29.	HIGH-PERFORMANCE AQUEOUS ASYMMETRIC SUPERCAPACITOR DEVICE USING ABO ₂ -TYPE PSEUDOCAPACITOR ELECTRODES	Published on 30/09/2023	2023 1101 5019	06-03-2023	Mr. Abhay Narayan Singh, Dr. Chandana Rath, Dr. Preetam Singh	SMST, Ceramic
30.	WHITE LIGHT EMITTING METALLIC MAGNESIUM NANOCCLUSERS AND A METHOD OF PRODUCTION THEREOF	Published on 30/09/2023	2023 1101 3937	02-03-2023	Dr. Manoj Kumar, Prachi Srivastava, Vivek Kumar Verma	Chemical & Biomedical
31.	A COMPOSITE HYDROGEL COMPOSITION AND A METHOD OF PREPARATION THEREOF	Published on 30/09/2023	2023 1100 9955	14-02-2023	Dr. Avanish Singh Parmar, Kaustabh Naik	Physics

32.	POLYMER-CERAMIC COMPOSITE COATED DAYTIME RADIATIVE WATER COOLER SYSTEM	Published on 30/09/2023	2023 1102 0582	23-03-2023	Prof. Jahar Sarkar, Shivam Tiwari, Prof Pralay Maiti, Jay Prakash Bijarniya	Mechanical Engg & SMST
33.	A SPRAYABLE HERBICIDE - BIOPOLYMER FORMULATION AND METHOD OF PREPARATION THEREOF	Published on 13/10/2023	2022 1107 7465	31-12-2022	Prof. Pralay Maiti, Reshu Bhardwaj, Shivam Tiwari, Om Prakash, Ram Kumar Singh	SMST & Department of Agronomy (BHU)
34	A METHOD OF PREPARATION OF BIODEGRADABLE PACKAGING MATERIAL FROM RICE STRAWS	Published on 08/12/2023	2023 1106 1691	13-09-2023	Dr. Prodyut Dhar, Rahul Ranjan, Rohit Rai	Bio Chemical Engg
35	AN ULTRA-SPARSE MATRIX CONVERTER WITH AUXILIARY SHOOT-THROUGH SWITCHES	Published on 08/12/2023	2023 1106 1308	12-09-2023	Vulavakayala Siva, Dr. Santosh Kumar Singh	Electrical Engg.
36	A SYSTEM TO DETECT AND CLASSIFY SEVERITY OF FACE DAMAGE IN LONGWALL MINING	Published on 08/12/2023	2023 1105 5546	18-08-2023	Mr. Bhaskara Behera, Dr. GSP Singh, Prof. Sanjay Kumar Sharma	Mining Engg.
37	AN IMAGING PROBE FOR DETECTION OF KEY BIOMARKERS IN ALZHEIMER DISEASE	Published on 23/12/2023	202211027649	13-05-2022	Dr. G. P. Modi	Pharmaceutics & I.C.M.R.
38	A BIOSENSING DEVICE AND A METHOD OF FABRICATION THEREOF	Published on 22/12/2023	202311067950	10-10-2023	Pranjal Chandra, Darshana, Daphika s Dkhar, Pradeep Srivastava	Bio Chemical Engg
39	AN ULTRASONIC VIBRATION ASSISTED MINIMUM QUANTITY LUBRICATION GRINDING SYSTEM	Published on 22/12/2023	202311066181	03-10-2023	Abhimanyu Chaudhari, Ashwani Sharma, Vikas Diwakar, Dr. Meghanshu Vashista, Dr. Md.	Mechanical Engg

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Patents Published in the year 2022

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
1.	ANALYTE DETECTION BASED ON ENHANCED CHEMILUMINESCENCE AND SMARTPHONE IMAGING IN BIOLOGICAL FLUIDS AND METHOD THEREOF	Published on 16/12/2022	2021 1105 1598	10-11-2021	Narsingh Raw Nirala, Priya Singh, Nupur Kumari, Rajiv Prakash	SMST
2.	PREPARATION OF CARBON NANOCAPSULES FROM AZADIRACHTA INDICA SEED FOR THE TREATMENT OF BREAST CANCER	Published on 16/12/2022	2021 1106 0434	23-12-2021	Dr. Pradip Paik, Samedutta Maity, Kirti Wasnik, Munendra Singh Tomar	Bio Medical Engg
3.	QUATERNARY ANTIBIOTIC COMPOSITION AND METHOD OF PREPARATION THEREOF	Published on 16/12/2022	2022 1101 5313	21-03-2022	Dr. Pradip Paik, Monica Pandey, Monika Singh	Bio Medical Engg
4.	MESOPOROUS NANO-INORGANIC ANTIBIOTIC COMPOSITIONS AND METHOD OF PREPARATION THEREOF	Published on 16/12/2022	2022 1101 5312	21-03-2022	Dr. Pradip Paik, Samedutta Maity	Bio Medical Engg
5.	A MOLYBDENUM DISELENIDE NANOSTRUCTURED CATHODE BASED RECHARGEABLE ZINC AIR BATTERY	Published on 16/12/2022	2022 1102 0589	05-04-2022	Dr. Ashish Kumar Mishra, Prince Kumar Maurya	SMST
6.	A CENTER HORIZONTAL DEVICE FOR CENTRIFUGAL CASTING AND SYNTHESIS OF FUNCTIONALLY GRADED	Published on 16/12/2022	2022 1102 1676	11-04-2022	Basudeb Rajak, Dr. Uppu Srinivas Rao, Prof. Rakesh	Mechanical Engg

	MATERIAL				Kumar Gautam, Jitendra Kumar Singh	
7.	A LOW COST FACILE FABRICATION METHOD FOR MANUFACTURING OF HIGHLY POROUS CERAMIC FOAM	Published on 16/12/2022	2022 1103 1785	02-06-2022	Dr. Saroja Kanta Panda, Mr. Vaibhav Pandey, Mr. Mayank Kumar Yadav, Dr. Kalyani Mohanta	Mechanical Engg
8.	A PORTABLE BULK HEATING DEVICE	Published on 23/12/2022	2022 1103 6874	21-10-2022	Jitendra Kumar Singh, Dr. Uppu Srinivas Rao, Prof. Ram Pyare	Mechanical Engg
9.	IN-SITU -SO ₃ H FUNCTIONALIZED TWO- DIMENSIONAL MOS ₂ NANOSHEETS AND METHOD OF PREPARATION THEREOF	Published on 16/12/2022	2022 1103 3786	13-06-2022	Dr. Santanu Das, Mr. Vivek Kumar Singh	Ceramic Engg
10.	FLUORESCENT FILM AND SPREADABLE INK FOR SECURITY APPLICATIONS AND METHOD OF PREPARATION THEREOF	Published on 16/12/2022	2022 1100 9206	21-02-2022	Rajiv Prakash, Neeraj Kumar Giri, Ashish Kumar	SMST
11.	COMPOSITION AND METHOD FOR SYNTHESIS OF STRONTIUM HEXAFERRITE BASED NON- RARE EARTH MAGNETS	Published on 16/12/2022	2022 1103 1284	31-05-2022	Dr. P.K. Roy, Akansha Gupta	Ceramic Engg
12.	A SYSTEM TO REDUCE ERRORS FOR DIGITAL IMAGE FORGERY DETECTION AND METHOD THEREOF	Published on 23/12/2022	2022 1103 8984	07-07-2022	Prof. Rajeev Srivastava, Ankit Kumar Jaiswal	Computer Science & Engineering
13.	A COMPOSITE-BASED ENERGY HARVESTING DEVICE AND METHOD OF PREPARATION THEREOF	Published on 23/12/2022	2022 1104 4511	03-08-2022	Prof. Pralay Maiti, Shivam Tiwari	SMST
14.	AN IMPROVED PHOTOVOLTAIC MODULE WITH DIRECT INTERNAL COOLING FEATURE	Published on 23/12/2022	2022 1105 0095	01-09-2022	Dr. Ravi Prakash Jaiswal	Chemical Engg.
15.	COCRYSTALS OF DIMETHYL FUMARATE WITH	Published on	2022 1105 5785	28-09-2022	Dr. S.	Pharmaceutics

	ENHANCED PHYSIO-CHEMICAL STABILITY AND BIOLOGICAL ACTIVITY	23/12/2022			Krishnamurthy, Mr. Qadir Alam	
16.	POLYVINYLENE DIFLUORIDE(PVDF)/NITROGEN-DOPED CARBON DOTS NANOCOMPOSITE FILM BASED CAPACITIVE ENERGY STORAGE DEVICE	Published on 23/12/2022	2022 1104 8961	26-08-2022	Dr. Akhilesh Kumar Singh, Vishwa Pratap Singh	SMST
17.	A THROMBIN RECEPTOR ANTAGONIST FOR MANAGEMENT OF LEISHMANIASIS	Published on 23/12/2022	2022 1106 7169	22-11-2022	Prof. Vikash Kumar Dubey, Ms. Preeti Ranjan	Bio Chemical Engg

Patents Published in the year 2021

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
1.	A FOAMING AGENT FOR POROUS CERAMICS AND A METHOD OF PREPARATION THEREOF	Published on 01/01/2021	201911025592	27-06-2019	Dr. Kalyani mohanta, Mr.Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
2.	HIGH POWER MICROWAVE SECTORAL WAVEGUIDE MODE CONVERTER	Published on 01/01/2021	201911025593	27-06-2019	Vikram Kumar, Dr. Smrity Dwivedi, Prof. Pradip kumar Jain	Electronics Engg
3.	A NOVEL SUSPENSION FOR THREE-DIMENSIONAL BIOPRINTING AND A METHOD OF PREPARATION THEREOF	Published on 29/01/2021	201911030419	27-07-2019	Dr. Sanjeev Kumar Mahto, Suruchi Poddar, Agarawal Piyush Sunil	Bio Medical Engg

4.	REORGANIZATION OF MOLECULES IN DISPOSED ABSORBENT MATERIALS INTO ENERGY PRODUCTS USING NANOCATALYST	Published on 29/01/2021	201911030344	26-07-2019	Dr. Poushpi Dwivedi, Dr. Dhanesh Tiwary, Prof. P. K. Mishra, Dr. Jyoti Prasad Chakraborty, Ritendra Kumar, Neetu Shingh	Chemistry & Chemical Engg.
5.	MACROPOROUS CERAMIC FOAM WITH HIGH POROSITY AND A PROCESS THEREOF	Published on 05/02/2021	201911030657	30-07-2019	Dr. Kalyani mohanta, Mr.Vaibhav Pandey, Dr. Ajay Kumar, Mr. Mayank kumar Yadav, Mr. Ashutosh Gupta	Ceramic Engg
6.	A NOVEL POLYMER BLEND UTILIZING WASTE PLASTICS AND PROCESS OF PREPARATION THEREOF	Published on 12/02/2021	201911031635	05-08-2019	Prof. Pralay Maity, Dipti Saxena	SMST
7.	NOVEL QUINOLINYL PIPERAZINE DERIVATIVES FOR THE TREATMENT OF ALZHEIMER'S DISEASE	Published on 12/02/2021	201911032481	10-08-2019	Prof. Sushil Kumar Singh, Dr. Ashok Kumar, Dr. Dileep Kumar, Mr. Devendra Kumar, Mr. Gopichand Gutti, Mr. Ankit Ganeshpurkar	Pharmaceutics
8.	AN INTEGRATED CONTINUOUSLY OPERATED WASTEWATER TREATMENT SYSTEM WITH MICROALGAL BIOMASS PRODUCTION	Published on 12/02/2021	201911031783	06-08-2019	Dr. Vishal Mishra, Mr. Vishal Singh	Bio Chemical Engg
9.	SYNTHESIS OF N-BENZYLPIPERIDINE AND 5-(2,4-DICHLOROPHENYL)-1,3,4-OXADIAZOLE HYBRID WITH MULTIFUNCTIONAL ACTIVITIES AGAINST ALZHEIMER'S DISEASE	Published on 26/02/2021	201911034164	24-08-2019	PiyooSh Sharma, Avanish Tripathi, Prabhash Nath Tripathi, Ashok Avhad, Dr. Sushant Kumar Srivastava	Pharmaceutics
10	AN N-TYPE METAL OXIDE INTERFACE BASED THIN FILM TRANSISTOR AND A METHOD OF PREPARATION THEREOF	Published on 26/02/2021	201911033524	20-08-2019	Bhola Nath Pal, Anand Sharma, Nila Pal	SMST

11	A NOVEL COMPOUND FOR TREATING ALZHEIMER'S DISEASE AND A METHOD OF PREPARATION THEREOF	Published on 05/03/2021	201911034300	26-08-2019	PiyooSh Sharma, Avanish Tripathi, Priyanka kumari choubey, Dr. Sushant Kumar Srivastava	Pharmaceutics
12	SYSTEM FOR SPATIO-TEMPORAL TRAFFIC DATA REPORTING FOR SMART CITY SERVICES	Published on 19/03/2021	201911037645	22-04-2019	Dr. Ankit Gupta, Mr Sumit Mishra	Civil Engg
13	A PROCESS FOR EFFICIENT BIOREMEDIATION OF CHEESE WASTEWATER	Published on 19/03/2021	201911036799	12-09-2019	Dr. Sanjay Kumar, Dr. Sameer Srivastava, Ashutosh Upadhyay	Bio Chemical Engg
14	CONSTRUCTION BRICKS USING INDUSTRIAL WASTE WITH SIMPLE COMPOSITION AND PROCESS OPTIMIZATION	Published on 19/03/2021	201911036988	13-09-2019	Dr. Kalyani mohanta, Mr.Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
15	A HIGHLY POROUS LIGHT WEIGHT CERAMIC FOAM AND A PROCESS OF PREPARATION THEREOF	Published on 26/03/2021	201911038240	23-09-2019	Dr. Kalyani mohanta, Mr.Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
16	REBAMIPIDE LOADED TRANSDERMAL PATCH FOR NEURODEGENERATIVE DISEASE	Published on 02/04/2021	201911039568	30-09-2019	Dr. S. Krishnamurthy, Ms. Akansha Mishra	Pharmaceutics
17	LATENT FINGERPRINT IMAGING USING RARE EARTH DOPED METAL OXIDE BASED NANOPHOSPHORS	Published on 23/04/2021	201911042913	22-10-2019	Dr. Chandana Rath, Sandeep Kumar	SMST
18	FMG SENSOR FOR HAND PROSTHESIS APPLICATION	Published on 30/04/2021	201911043042	23-10-2019	Alok Prakash, Dr. Shiru Sharma, Dr. Neeraj Sharma	Bio Medical Engg
19	A THREE-DIMENSIONAL SCAFFOLD FOR CARTILAGE TISSUE REGENERATION AND METHOD OF PREPARATION THEREOF	Published on 07/05/2021	201911044200	31-10-2019	Prof. Pradeep Srivastava, Dr. Bhisham Narayan Singh	Bio Chemical Engg

20	A NOVEL BIOACTIVE COMPOSITE SCAFFOLD AND A METHOD OF PREPARATION THEREOF	Published on 07/05/2021	201911045141	06-11-2019	Prof. Pradeep Srivastava, Dr. Bhisam Narayan Singh	Bio Chemical Engg
21	AN IMPROVED HDR BRACHYTHERAPY APPLICATOR APPARATUS	Published on 07/05/2021	201911044724	04-11-2019	Neeraj Sharma, Lalit Mohan Aggarwal, Ankur Mourya, Mr. Pranjal Aggarwal, Dr. Uday P Shahi	Biomedical Engg and Dept. of Radiotherapy & Radiation Medicine (IMS BHU)
22	NOVEL SULFONAMIDE DERIVATIVES OF PARA AMINO BENZOIC ACID FOR THE TREATMENT OF ALZHEIMER'S DISEASE	Published on 07/05/2021	201911044199	31-10-2019	Prof. Sushil Kumar Singh, Dr. Ashok Kumar, Mr Ravi Singh, Mr. Gore Pravin Gangaram, Mr. Devendra Kumar, Mr. Gopichand Gutti, Mr. Ankit Ganeshpurkar	Pharmaceutics
23	A COLLOIDAL QUANTUM DOTS (QDS) BASED ION SENSITIVE FIELD EFFECT TRANSISTOR	Published on 04/06/2021	201911049752	03-12-2019	Prof. S. Jit, Dr. Hemant Kumar	Electronics Engg
24	A THERMALLY EFFICIENT OVER-EXPANSION STROKE BASED ENGINE	Published on 11/06/2021	201911050006	04-12-2019	Jeewan Vachan Tirkey, Shailendra Kumar Shukla	Mechanical Engg
25	A NOVEL POROUS SCAFFOLD FOR ORTHOPEDIC APPLICATION AND A METHOD OF PREPARATION THEREOF	Published on 16/07/2021	202011001700	14-01-2020	Dr. Kalyani mohanta, Mr. Mayank Kumar Yadav, Mr. Vaibhav Pandey, Dr. Ajay Kumar	Ceramic Engg
26	SOLAR AIR HEATER WITH TROMBE WALL	Published on 30/07/2021	202011003336	24-01-2020	Dr. Om Prakash Singh, Ajeet Pratap Singh	Mechanical Engg.
27	AN ARSENIC RESISTANT BACTERIUM STRAIN	Published on 30/07/2021	202011003640	27-01-2020	Dr. Vishal Mishra, Mr. Vipul Kumar Yadav	Bio Chemical Engg

28	A METHOD OF PREPARING BENZALDEHYDE THROUGH CATALYTIC OXIDATION	Published on 13/08/2021	202011005531	07-02-2020	Dr. P.K. Roy, Mr. Mukesh Suthar	Ceramic Engg
29	A NOVEL COMPOSITION FOR SURFACE MODIFICATION OF ANODE FOR ELECTROCHEMICAL APPLICATION	Published on 20/08/2021	201911018781	10-05-2019	Dr. Sanjay Kumar, Dr. Radha Rani, Geetanjali	Bio Chemical Engg
30	A NOVEL PROCESS FOR SYNTHESIS OF METAL NANOPARTICLES AND A PRODUCT THEREOF	Published on 03/09/2021	201911038774	25-09-2019	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg
31	A METHOD FOR PREPARING THREE DIMENSIONAL NANOFIBROUS COMPOSITE SCAFFOLD AND A PRODUCT THEREOF	Published on 20/08/2021	202011006354	13-02-2020	Dr. Sanjeev Kumar Mahto, Suruchi Poddar, Agarawal Piyush Sunil	Bio Medical Engg
32	A TWO DIMENSIONAL PHOTSENSITIVE METAL OXIDE SEMICONDUCTOR (MOS) CAPACITOR	Published on 22/10/2021	202011017140	21-04-2020	Santanu Das, Raja Kumar (Ceramic), Prof. S. Jit, Dr. Chandan Kumar(Electronics)	Ceramic Engg
33	EXTENDED LARGER AREA HETEROJUNCTION BASED BIO-SENSING DEVICE	Published on 08/10/2021	202011014307	31-03-2020	Uvanesh Kasiviswanathan, Prof. Neeraj Sharma, Prof. Satyabrata Jit, Dr. Chandan Kumar, Dr. Sanjeev Kumar Mahto, Suruchi Poddar	Bio Medical Engg and Electronics Engg
34	AN IMPROVED NOZZLE ASSEMBLY FOR UNIFORM FLUID DELIVERY	Published on 20/08/2021	201911041364	12-10-2019	Mr. Prashant Srivastava, Dr. Amitesh Kumar	Mechanical Engg
35	METHOD FOR FABRICATING A GAS SENSOR BY DEVELOPING THIN SOLID POLYMERIC FILM	Published on 27/08/2021	202011005745	10-02-2020	Prof. RAJIV PRAKASH, Subhajit Jana	SMST

36	A COMPOSITION OF AUSTENITIC STAINLESS STEEL FOR MEDICAL IMPLANTS	Published on 15/10/2021	202011015355	07-04-2020	Dr. G. S. Mahobia, Chadra Shekhar Kumar, Dr. Vakil Singh	Metallurgical Engg
37	AN ECO-FRIENDLY METHOD OF FABRICATING MULLITE FOAM AND A PRODUCT THEREOF	Published on 15/10/2021	202011015428	08-04-2020	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
38	THREE ELECTRODE SYSTEM FOR INACTIVATION OF BACTERIAL CELLS	Published on 15/10/2021	202011015621	09-04-2020	Dr. Marshal, Ashish Kumar Singh, Juhi Jaiswal	Bio Medical Engg
39	MULTITARGET-DIRECTED TRIAZOLE BRIDGED CYCLOARYL ANALOGUES FOR TREATMENT OF ALZHEIMER'S DISEASE	Published on 15/10/2021	202011047641	31-10-2020	Gopichand Gutti, Shushil Kr. Singh, Devendra Kumar, Ravi Singh, Ashok Kumar, Mr. A. Ganeshpurkar	Pharmaceutics
40	A METHOD OF DEMINERALIZATION OF SCALES, SHELLS AND BONES	Published on 15/10/2021	202011045547	19-10-2020	Dr. Vishal Mishra, Anadi Gupta	Bio Chemical Engg
41	A METHOD OF PREPARING MULTIWALLED CARBON NANOTUBES	Published on 29/10/2021	202011017647	24-04-2020	Ashish Kumar Mishra, Shanu Mishra, Somesh Sunil Jaiswal	SMST
42	A METHOD OF FABRICATING DENSITY GRADIENT MULTI-LAYERED SPINEL REFRACTORY AND A PRODUCT THEREOF	Published on 29/10/2021	202011017635	24-04-2020	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
43	A MULTIFUNCTIONAL DIARYLUREA-HYDROXYAMIDINE BASED COMPOUND FOR TREATMENT OF ALZHEIMER DISEASE	Published on 29/10/2021	202111001482	12-01-2021	G.P. Modi, Yash Pal Singh, Gaurav Singh, Gauri Shankar, Chinthala S. Praveen Kumar, Meenu Yadav	Pharmaceutics

44	A METHOD FOR DEVELOPMENT OF SYNERGISTIC NANO HYBRID STRUCTURE ON NANORODS	Published on 29/10/2021	202111028517	25-06-2021	Dr. Santanu Das, Mr. Vivek Kumar Singh, Dr. Bratindranath Mukherjee	Ceramic Engg
45	AN IMPROVED SOLAR STILL ASSEMBLY FOR PURIFICATION OF RAW WATER	Published on 29/10/2021	202111000980	08-01-2021	Prof. Shailendra Kumar Shukla, Dr. Jeevan Vachan Tirkey	CERD-Mechanical Engg.
46	AN IMPROVED ORGANIC RANKINE CYCLE SYSTEM WITH COUPLED DIFFUSION ABSORPTION REFRIGERATION EFFECT	Published on 29/10/2021	202111000822	07-01-2021	Prof. Shailendra Kumar Shukla, Dr. Jeevan Vachan Tirkey, Mr. Saurabh Pathak, Mr. Tarun Singh	Mechanical Engg.
47	A THREE DIMENSIONALLY(3D) PRINTED PHANTOM FOR COMMISSIONING OF GYNAECOLOGICAL BRACHYTHERAPY APPLICATORS	Published on 29/10/2021	202011045297	17-10-2020	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Mr. Vinay Saini, Prof. Satyajit Pradhan	Bio Medical Engg and MPMMCC (TMC)
48	A DRUG LOADED THERMOSENSITIVE POROUS POLYMER FILM AND A METHOD OF PREPARATION THEREOF	Published on 29/10/2021	202111009754	09-03-2021	Dr. Pradip Paik	Bio Medical Engg
49	A GLASS MATRIX COMPOSITION FOR CONVERSION OF A BARREN LAND INTO A FERTILE LAND	Published on 29/10/2021	202111011563	18-03-2021	Dr. R. K. Chaturvedi (Senior Scientific Officer)	Ceramic Engg
50	A NANOHERBICIDAL COMPOSITION AND A METHOD FOR ITS PREPARATION AND USES THEREOF	Published on 29/10/2021	202111002570	19-01-2021	Reshu Bhardwaj, Preeti Maiti, Prof. Ram kumar Singh, Om Prakash, Prof. Pralay Maiti	Deptt. Of Agronomy, Institute OF Agriculture Sciences, SMST
51	A CHIRAL HOLLOW POLYMERIC NANOCAPSULE WITH DEFINED OPENING AND A PROCESS FOR ITS PREPARATION	Published on 29/10/2021	202111007198	20-02-2021	Dr. Pradip Paik	Bio Medical Engg

52	A METHOD AND A KIT FOR DETECTING CONCENTRATION OF ANTI-TUBERCULOSIS DRUG IN A BIOLOGICAL SAMPLE	Published on 29/10/2021	202111011562	18-03-2021	Ravi Prakash Ojha, Shweta Pal, Rajiv Prakash	SMST
53	SYSTEM AND METHOD FOR ENERGY MANAGEMENT AND VOLTAGE CONTROL THROUGH GRID-CONNECTED COMMUNITY ENERGY RESOURCES	Published on 29/10/2021	202111033576	26-07-2021	Prof. Shiv Pujan Singh, Shailendra Singh	Electrical Engg.
54	A NATURAL TEMPLATE BASED ANTICHOLINESTRASE INHIBITORS AND ANTIOXIDANTS FOR TREATMENT OF ALZHEIMER DISEASE	Published on 29/10/2021	202111016470	07-04-2021	G.P. Modi, Yash Pal Singh, Gaurav Singh, Gauri Shankar, Atanu Barik, Lovejit Singh	Pharmaceutics
55	Adaptive optimal power management technique for Renewable Based Mix Energy System	Published on 29/10/2021	202111031286	12-07-2021	Dr. R. K. Singh, Priyatosh Jena	Electrical Engg.
56	A FACILE HOLLOW MESOPOROUS CHIRAL POLYMERIC NANOCAPSULE AND A PROCESS FOR ITS PREPARATION	Published on 29/10/2021	202111020273	03-05-2021	Dr. Pradip Paik	Bio Medical Engg
57	A DC/DC CONVERTER WITH BOTH CURRENT AND VOLTAGE SOURCE PROPERTY FOR OPTIMAL BATTERY CHARGING SYSTEM	Published on 29/10/2021	202111039649	01-09-2021	Dr. R. K. Singh, Warda Matin Khan, Dr. Sachin Kumar Jain (Asst. Prof. IIITDM Jabalpur)	Electrical Engg.
58	A DEVICE FOR DEPOSITION OF FLUID FOR CHROMATOGRAPHY	Published on 29/10/2021	202111005760	11-02-2021	Dr. Alakh N Sahu, Mr. Dharmendra Yadav	Pharmaceutics
59	AN ANTI-MICROBIAL MULTI-LAYER FACE MASK AND A METHOD OF PREPARATION THEREOF	Published on 29/10/2021	202011017291	22-04-2020	Dr. Marshal, Juhi Jaiswal	Bio Medical Engg

60	A NANOMATERIAL BASED ANTIMICROBIAL COMPOSITION AND A METHOD OF PREPARATION THEREOF	Published on 29/10/2021	202011017968	27-04-2020	PRADIP PAIK, MONICA PANDEY, MONIKA SINGH, RAGINI TILAK	Bio Medical Engg
61	A METHOD OF SYNTHESIZING CARBON DOTS AND A PRODUCT THEREOF	Published on 05/11/2021	202011018557	30-04-2020	Dr. Pradip Paik	Bio Medical Engg
62	SOY-BASED ELECTROSPUN NANOFIBROUS SHEET AND METHOD OF ELECTROSPINNING THEREOF	Published on 05/11/2021	202011018560	30-04-2020	Dr. Sanjeev Kumar Mahto, Neelima Varshney, Ajay Kumar Sahi	Bio Medical Engg
63	ELECTROCHEMICAL DEVICE FOR HYDROGEN PRODUCTION	Published on 05/11/2021	202011018312	29-04-2020	Ashish Kumar Mishra, Shanu Mishra, Somesh Sunil Jaiswal	SMST
64	TEMPERATURE SENSITIVE POROUS POLYMER FILM FOR BIOMEDICAL APPLICATIONS AND A METHOD OF ITS SYNTHESIS	Published on 26/11/2021	202011020948	18-05-2020	Dr. Pradip Paik	Bio Medical Engg
65	SYNTHESIS OF 2-(4-BROMOPHENYL)-5-(4-(PYRIDIN-2-YL) PIPERAZIN-1-YL)-1,3,4-OXADIAZOLE FOR TREATING ALZHEIMER'S DISEASE AND METHOD OF PREPARATION THEREOF	Published on 05/03/2021	201911034931	29-08-2019	PiyooSh Sharma, Avanish Tripathi, Priyanka kumari choubey, Dr. Sushant Kumar Srivastava	Pharmaceutics
66	AN IMPROVED ELECTRO-KINETIC CONSTANT RATE-OF-STRAIN CONSOLIDOMETER	Published on 31/12/2021	202111057176	08-12-2021	Dr. Alakh N Sahu, Mr. Dharmendra Yadav	Pharmaceutics
67	A PORTABLE COLORIMETRY SENSING DEVICE FOR POINT OF CARE DIAGNOSTICS	Published on 31/12/2021	202111046586	12-10-2021	Pranjal Chandra, Supratim Mahapatra, Amit Thakur	Bio Chemical Engg

68	A SUPERABSORBENT BIOCOMPATIBLE SOY-BASED HYDROGEL SCAFFOLD AND METHOD OF PREPARATION THEREOF	Published on 31/12/2021	202111050848	05-11-2021	Dr. Sanjeev Kumar Mahto, Neelima Varshney	Bio Medical Engg
69	AN ASYMMETRIC TRANSISTOR AND METHOD OF FABRICATION THEREOF	Published on 31/12/2021	202111052391	15-11-2021	Dr. Shushant Mittal, Dr. Shivam Verma	Electronics Engg.
70	A DUAL-MODE EVAPORATIVE COOLER FOR COMPOSITE CLIMATE	Published on 31/12/2021	202111057640	10-12-2021	Dr. Jahar Sarkar, Sarvesh Kashyap	Mechanical Engg.

Patents Published in the year 2020

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
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1.	A MICRO-FLUIDIC PLATFORM FOR LOW DENSITY CULTURE OF CELLS AND A METHOD FOR CONTROLLING THE SAME	Published on 03/01/2020	2018 1102 4410	29-06-2018	Dr. Sanjeev Kumar Mahto, Suruchi Poddar	Bio Medical Engg
2.	POROUS SILICA SHAPES AND MANUFACTURING PROCESS THEREOF	Published on 10/01/2020	2018 1102 5421	06-07-2018	Dr. Kalyani Mohanta	Ceramic Engg
3.	A METHOD TO REDUCE SUSPENDED PARTICULATE MATTER IN AIR	Published on 24/01/2020	2018 1102 7390	21-07-2018	Akhilesh Kumar Yadav, Dr. Aarif Jamal	Mining Engg.
4.	A BIOACTIVE GLASS DRUG FORMULATION FOR BONE REPAIR AND REGENERATION AND A METHOD OF PREPARTION THEREOF	Published on 01/05/2020	2018 1104 0152	24-10-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal	Pharmaceutics
5.	A NOVEL HYDROGEL WITH HIGH MECHANICAL STABILITY AND A METHOD OF MAKING THE SAME	Published on 05/06/2020	2018 1104 5481	01-12-2018	Pradip Paik	Bio Medical Engg
6.	SOLAR AIR HEATER	Published on 12/06/2020	2018 1104 5795	04-12-2018	Dr. Om Prakash Singh, Ajeet Pratap Singh	Mechanical Engg.
7.	A STRONTIUM BASED RARE EARTH FREE HIGH ENERGY PERMANENT MAGNET FOR DC MOTOR APPLICATION AND A METHOD OF SYNTHESIS THEREOF	Published on 26/06/2020	2018 1104 8780	22-12-2018	Dr. P.K. Roy, Deepshikha Shekhawat	Ceramic Engg
8.	A NOVEL NANO-BINDER IN CASTABLE REFRACTORY AND A METHOD OF PREPARATION THEREOF	Published on 03/07/2020	2018 1104 9448	27-12-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
9.	A MULTIFUNCTIONAL HYBRID 3-(4-HYDROXY-3-METHOXY-PHENYL) PROP-2-ENOIC ACID AND SUBSTITUTED	Published on 10/07/2020	2019 1100 0362	03-01-2019	G.P. Modi, Yash Pal Singh, Amruta Pandey	Pharmaceutics

	AMINEPIPERAZINE DERIVATIVES FOR THE TREATMENT OF A					
10.	AN ALKALINE EARTH METAL DOPED ZINC OXIDE NANOSHEETS AND METHOD OF PREPARATION THEREOF	Published on 14/08/2020	2018 1104 4916	28-11-2018	Dr. Santanu Das, Abesh Banerjee Department of Biochemistry, University of Calcutta	Ceramic Engg
11.	MAGNESIUM ZINC FERRITE- POLYURETHANE NANO COMPOSITE	Published on 10/07/2020	2019 1100 0437	04-01-2019	Dr. Santanu Das, Mr. Rajarshi Bhattacharya, Dr. Tapas Kumar Bhattacharya, Dr. Somak Bhattacharya, Prof Pralay Maiti	Ceramic Engg, SMST, Electronics Engg
12.	A METHOD FOR PREPARATION OF GRAPHENE-OXIDE NANOCOMPOSITES BASED SPRAYABLE PAINT COATING	Published on 11/09/2020	2019 1100 8550	05-03-2019	Dr. Santanu Das, Mr. Rajarshi Bhattacharya, Dr. Somak Bhattacharya, Prof Pralay Maiti	Ceramic Engg, SMST, Electronics Engg
13.	A METHOD OF PREPARING MINERAL FROM ALUMINIUM DROSS USING ORGANIC SOLVENT PRECIPITATION	Published on 11/09/2020	2019 1100 8950	07-03-2019	Kamlesh Singh, Arunabh Meshram, Anant Jain, Divyansh Gautam	Metallurgical Engg
14.	A METHOD OF PREPARING TITANIUM DIOXIDE BASED TRANSPARENT AND THIN FILMS AND A PRODUCT THEREOF	Published on 11/09/2020	2019 1100 8546	05-03-2019	Dr. Md. Imteyaz Ahmad, Mr. Sooraj Kumar	Ceramic Engg

15.	A METAL CERAMIC JOINT ADHESIVE	Published on 31/07/2020	2019 1100 2765	23-01-2019	Prof Pralay Maiti, Dr. Santanu Das, Shivam Tiwari	Ceramic Engg, SMST
16.	A BIOMETRIC BASED METHOD AND SYSTEM FOR IDENTIFYING AN INFANT	Published on 11/09/2020	2019 1100 8955	07-03-2019	Dr. Sanjay Kumar Singh, Dr. Shrikant Tiwari, Dr. Rishav Singh, Dr. G R Sinha, Dr. Hari Om, Dr. Ritika Singh	Computer Science & Engineering
17.	A NOVEL ANTI-COAGULANT FORMULATION AND A METHOD OF PREPARATION THEREOF	Published on 02/10/2020	2019 1101 2094	27-03-2019	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, G.P. Modi, Gopichand Gutti, Shushil Kr. Singh	Pharmaceutics
18.	MATERIAL FOR FASTER BONE HEALING	Published on 09/10/2020	2019 1101 3103	02-04-2019	Prof. Pralay Maity, Arun Kumar Mohanta, Dr. S. Krishnamurthy, Mr. Pankaj paliwal	SMST, Pharmaceutics
19.	A BIO-PIEZOELECTRIC DEVICE AND A METHOD OF PREPARATION THEREOF	Published on 09/10/2020	2019 1101 3972	07-04-2019	Prof. Pralay Maity, Anupma Gaur, ShivamTiwari-SMST & Chandan Kumar- School of Biomedical Engg.	SMST & Bio Medical Engg

20.	FRICITION REDUCING COATING ON ORTHODONTIC WIRES	Published on 09/10/2020	2019 1101 3104	04-02-2019	Chandan Upadhyay, Thakur Prasad Chaturvedi, Rajiv Prakash	SMST
21.	A WASTE DERIVED NANO-SOL BINDER FOR CASTABLE REFRACTORY AND A METHOD OF PREPARATION THEREOF	Published on 30/10/2020	2019 1101 6335	24-04-2019	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
22.	AN UPCONVERTING PLATFORM FOR ARSENITE DETECTION IN WATER SAMPLES AND A METHOD OF PREPARATION THEREOF	Published on 06/11/2020	2019 1101 7225	30-04-2019	Dr. Manoj Kumar	Chemical Engg
23	HOPPER	Published on 21/08/2020	2018 1104 9831	29-12-2018	Dr. Vishal Misra	Bio Chemical Engg
24.	AN IMPROVED SEGREGATOR	Published on 10/07/2020	2019 1100 0354	03-01-2019	Dr. Vishal Misra	Bio Chemical Engg
25.	HOPPER WITH REPULSION TUBES	Published on 11/09/2020	2019 1100 9585	12-03-2019	Dr. Vishal Mishra, Ms. Priyanka Yadav	Bio Chemical Engg
26.	ALUMINIUM FOAM WITH HIGH POROSITY AND OPEN-CELLED MICROSTRUCTURE USING POWDER METALLURGY ROUTE AND A PROCESS THERE OF	Published on 18/09/2020	2019 1101 0216	15-03-2019	Dr. Kalyani mohanta	Ceramic Engg
27.	AN IMPROVED HYBRID SOLAR CHIMNEY BASED POWER GENERATION SYSTEM	Published on 30/10/2020	2020 1102 0671	15-05-2020	Ajeet Pratap Singh, Dr. Om Prakash Singh	Mechanical Engg.
28.	DEVELOPMENT OF MULTIFUNCTIONAL POROUS POLYMERIC MEMBRANE USING ACCELERATOR FOR	Published on 30/10/2020	2020 1102 3201	02-06-2020	Prof. Pralay Maiti	SMST

	SEPARATION OF F-BLOCK ELEMENTS					
29.	A METHOD OF PREPARING A CATALYST FOR CATALYTIC CONVERTER AND A PRODUCT THEREOF	Published on 30/10/2020	2020 1102 6380	22-06-2020	Dr. Deepak Yadav, Dr. Pratichi Singh, Prof. Ram Prasad, Dr. Pradeep Kumar	Chemical Engg
30.	COMPOSITION AND METHOD FOR SYNTHESIS OF STRONTIUM HEXAFERRITE BASED NON-RARE-EARTH MAGNETS	Published on 06/11/2020	2020 1102 9080	08-07-2020	Dr. P.K. Roy, Ms. Akansha Gupta	Ceramic Engg
31.	BIOCOMPATIBLE NANO-TRIBLOCK-CO-POLYMERS AND A PROCESS FOR THEIR PREPARATION	Published on 06/11/2020	2020 1102 9248	09-07-2020	Pradip Paik	Bio Medical Engg
32.	AN IMPROVED DIGITAL STETHOSCOPE	Published on 06/11/2020	2020 1103 0025	15-07-2020	Dr. Marshal, Taresh Sarvesh Sharan	Bio Medical Engg
33.	A MESOPOROUS ANTI-MICROBIAL NANOCOMPOSITE AND A METHOD OF PREPARATION THEREOF	Published on 06/11/2020	2020 1103 1802	24-07-2020	Pradip Paik	Bio Medical Engg
34.	AN IMPROVED HIGH FLOW SOLAR CHIMNEY POWER PLANT	Published on 13/11/2020	2020 1103 3120	01-08-2020	Ajeet Pratap Singh, Dr. Om Prakash Singh	Mechanical Engg.
35.	SYSTEM FOR ELECTRO-OSMOTIC SOIL CONSOLIDATION AND A METHOD THEREOF	Published on 13/11/2020	2020 1103 8430	05-09-2020	P. Bala Ramudu, Deep Jyoti Singh, Arun Prasad	Civil Engg

36.	A METHOD FOR PREPARATION OF WASTE BACTERIAL CULTURE MEDIA BASED FLUORESCENT SECURITY INK	Published on 13/11/2020	2020 1104 1316	23-09-2020	Dr. Vishal Mishra, Anadi Gupta	Bio Chemical Engg
37.	A BIOMETRIC BASED SYSTEM AND METHOD FOR MANAGEMENT OF PET ANIMAL	Published on 13/11/2020	2020 1100 3639	27-01-2020	Dr. Sanjay Kumar Singh, Abhinav, Sandeep Sambhaji Udamale, Anshul, Dr. Rishav Singh, Dr. Arun kumar Sangaiah	Computer Science & Engineering
38.	JANUS SHAPED SILVER-MAGNETITE NANOPARTICLES AND A METHOD OF PREPARATION THEREOF	Published on 27/11/2020	2019 1102 0251	22-05-2019	Chandan Upadhyay, Pinki Singh	SMST
39.	A NOVEL MATERIAL FOR TREATING WASTEWATER AND A METHOD OF PREPARATION THEREOF	Published on 27/11/2020	2019 1102 0250	22-05-2019	Dr. Vishal Mishra, Ms. Jyoti Singh	Bio Chemical Engg
40.	A DIRECT BROADCAST SYSTEM USING CDMA TECHNOLOGY	Published on 20/11/2020	2019 1101 9579	17-05-2019	Vipin Kumar Verma (Junior Assistant)	Bio Medical Engg
41.	A NOVEL POLYMERIC HYDROGEL FOR TREATING MELANOMA CANCER AND A METHOD THEREOF	Published on 30/10/2020	2019 1101 5958	18-09-2019	Prof. Pralay Maity, Aparna Shukla, Akhand Pratap Singh	SMST
42.	A METHOD OF PREPARING SYNTHETIC BEADS TO REMOVE HEAVY METALS FROM WASTE WATER	Published on 11/12/2020	2019 1102 2735	07-06-2019	Dr. Vishal Mishra, Mr. Veer Singh	Bio Chemical Engg

Patents Published in the year 2019

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
1	AN ORAL COMPOSITION OF INDOLE-3-CARBINOL AND A METHOD OF PREPARATION THEREOF	Published on 01/02/2019	2017 1102 6941	28-07-2017	Dr. Sairam krishnamurthy ; Mr. Pankaj Paliwal ; Gaurav Chauhan	Pharmaceutics
2	SUBSTRATE-ASSISTED SYNTHESIS OF DIVERSE MORPHOLOGIES OF UPCONVERTING NANOMATERIALS	Published on 08/03/2019	2017 1101 4647	25-04-2017	Dr. Manoj Kumar ; Mr. Sudhir Ranjan & Prof. Rajiv Prakash	Chemical Engg & SMST
3	COMPOSITION OF RESVERATROL-LOADED HYBRID NANOPARTICLES AND A METHOD OF PREPARATION THEREOF	Published on 11/10/2019	2018 1101 2870	04-04-2018	Prof. Sanjay Singh ; Mr. Vijaykumar M.R.	Pharmaceutics
4	A REAL TIME WRITING INSTRUMENT GRIP AND MOTION MONITORING SYSTEM	Published on 15/02/2019	2017 1102 8197	08-08-2017	Dr. Hari Prabhat Gupta, Dr. Tanima Dutta & Ms. Surabhi Saraswat	Computer Science & Engineering

5	A METHOD TO ENHANCE THERMAL STABILITY AND EFFICIENCY IN POROUS FLUOROPOLYMER HYBRID MEMBRANE	Published on 01/02/2019	2017 1102 7183	31-07-2017	Prof. Pralay Maity, Om Prakash	SMST
6	A METHOD OF SYNTHESIS OF SOFT HARD FERRITES	Published on 18/01/2019	2017 1102 5371	17-07-2017	Dr. P.K. Roy, SK Saddam Hossain, Deepshikha Shekhawat	Ceramic Engg
7	CERAMIC MATRIX COMPOSITE OF FERRITE AND FERROELECTRIC COMPOUND AND A METHOD OF SYNTHESIS THEREOF	Published on 01/03/2019	2017 1102 9705	22-08-2017	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
8	HIGH SURFACE AREA, HIGH PURITY AND HIGH CONDUCTANCE MONO-LAYERED REDUCED GRAPHENE OXIDE	Published on 31/05/2019	2017 1104 3028	30-11-2017	Dr. Santanu Das, shaikh Mohammad Zaeem, Nitish Agrawal : : Ceramic Engg	Ceramic Engg
9	A SELF-EXPANDING SHAPE-MEMORY POLYMER NANOHYBRID AND A METHOD OF PREPARING THE SAME'	Published on 01/03/2019	2017 1103 0194	25-08-2017	Prof. Pralay Maity & Arpan Biswas:: SMST	SMST
10	A COMPOSITION AND METHOD TO PREPARE NATURALLY PRESERVED AND UNIFORMLY COOKING HEALTH FOOD	Published on 08/03/2019	2017 1103 1556	06-09-2017	Dr. P. K. Mishra & Ms. Neha Srivastava:: Chemical Engg	Chemical Engg
11	A SYSTEM FOR REDUCING HEAT LOSS IN BRICK KILNS	Published on 13/12/2019	2018 1102 1148	06-06-2018	Dr. Jyoti Prasad Chakraborty	Chemical Engg
12	HIGH TEMPERATURE APPLICABLE BINDER FROM EGG SHELL AND A METHOD OF SYNTHESIS THEREOF	Published on 19/07/2019	2017 1103 5361	05-10-2017	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg

13	A NANOCARRIER FOR DELIVERING GENETIC MATERIALS AND A METHOD OF PREPARATION THEREOF	Published on 09/08/2019	2018 1100 4496	06-02-2018	Prof. Pralay Maity, Sudipta Senapati	SMST
14	A METHOD FOR SYNTHESIS OF CERIUM(IV) PYROPHOSPHATE COMPOUNDS	Published on 09/08/2019	2018 1100 4846	08-02-2018	Dr. Bhupendra Singh, Lakshya Mathur, Sandeep Kumar Gautam, Devendra Kumar	Ceramic Engg
15	A NOVEL POLYMERIC PATCH FOR TREATING MELANOMA CANCER AND A METHOD THEREOF	Published on 26/07/2019	2017 1104 5345	18-12-2017	Prof. Pralay Maity, Aparna Shukla, Akhand Pratap Singh	SMST
16	A DEVICE FOR MODELLING SOFTWARE CLONE EVOLUTION ACROSS DIFFERENT VERSIONS AND A METHOD THEREOF	Published on 08/11/2019	2018 1101 6656	02-05-2018	Prof. K. K. Shukla, Jayadeep Pati	Computer Science & Engineering
17	A SYSTEM AND METHOD FOR GENERATING REAL-TIME TEXT PRESERVED OIL PAINTING USING SMART-DEVICE	Published on 27/09/2019	2018 1101 0854	23-03-2018	Dr. Tanima Dutta Dr. Hari Prabhat Gupta & Mr. Sabyasachi Mohanty	Computer Science & Engineering
18	TRIVALENT Al ³⁺ DOPED MAGNETITE AND A METHOD OF PREPARATION THEREOF	Published on 26/07/2019	2018 1100 2355	19-01-2018	Dr. Nand Kishore Prasad, Prof. R.K.Mandal, Manas Srivastav	Metallurgical Engg
19	A THREE DIMENSIONAL POROUS PSYLLIUM HUSK-BASED COMPOSITE SCAFFOLD	Published on 09/08/2019	2018 1100 4845	08-02-2018	Dr. Sanjeev Kumar Mahto, Suruchi Poddar, Agarawal Piyush Sunil	Bio Medical Engg
20	NANOHYBRID WITH HIGH ENERGY HARVESTING EFFICIENCY	Published on 22/11/2019	2018 1101 8838	19-05-2018	Prof. Pralay Maity, Anupma Gaur, ShivamTiwari- SMST & Chandan Kumar- School of Biomedical Engg.	SMST & Bio Medical Engg

21	A METHOD OF MANUFACTURING SYNTHETIC WOLLASTONITE BY UTILIZING WASTE MATERIALS	Published on 26/07/2019	2018 1100 2872	24-01-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
22	METHOD OF MANUFACTURING COMBINED TYPE HUMIDITY SENSOR BASED ON TUNGSTEN DOPED Y-TYPE BARIUM HEXAFERRITE	Published on 09/08/2019	2018 1100 4844	08-02-2018	Mr. Mukesh Suthar, Dr. P.K. Roy	Ceramic Engg
23	FUNCTIONALIZED GRAPHENE OXIDE BASED NANOPROBES	Published on 20/09/2019	2018 1100 9385	14-03-2018	Prof. Pralay Maity, Sudipta Senapati	SMST
24	A BIOACTIVE GLASS AS AN ORTHODONTIC ADHESIVE AND A METHOD OF PRODUCTION THEREOF	Published on 18/10/2019	2018 1101 4080	12-04-2018	Prof. Pralay Maity, Sudipta Senapati, SMST & Ajit V. Parihar, Sadhana Swaraj, T.P. Chaturvedi, FDS,IMS,BHU	SMST & FDS, IMS BHU
25	HIGH ENERGY, HIGH CURIE TEMPERATURE FERRITES FOR HIGH POWER APPLICATIONS	Published on 20/09/2019	2018 1100 9240	13-03-2018	Deepshikha Shekhawat, Dr. P.K. Roy	Ceramic Engg
26	A PORTABLE TEST KIT FOR DETECTION OF GLUCOSE IN BIOLOGICAL FLUIDS AND A METHOD THEREOF	Published on 29/11/2019	2018 1100 9239	13-03-2018	Prof. RAJIV PRAKASH,VINITA,NARSINGH R. NIRALA	SMST
27	EMG SENSOR FOR PROSTHETIC HAND CONTROL	Published on 08/11/2019	2018 1101 6601	02-05-2018	Alok Prakash, Bindu Kumari, Dr. Shiru Sharma, Dr. Neeraj Sharma	Bio Medical Engg
28	A PORTABLE BIOSENSING SYSTEM AND METHOD FOR VISUAL DETECTION OF GLUCOSE IN BIOLOGICAL FLUIDS	Published on 27/09/2019	2018 1101 0352	21-03-2018	Prof. RAJIV PRAKASH,NARSINGH R. NIRALA,VINITA	SMST
29	A POLYMER OR 2D NANO-COMPOSITE FILM AND A METHOD OF PRODUCTION THEREOF	Published on 11/10/2019	2018 1101 3068	05-04-2018	Prof. RAJIV PRAKASH, Dr. Rajiv Kumar Pandey	SMST

30	FORMULATION OF SILVER CONTAINING BIOACTIVE GLASS	Published on 15/11/2019	2018 1101 7805	11-05-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal	Pharmaceutics
31	A BIO-WASTE POLYMER HYBRID WITH HIGH ENERGY HARVESTING EFFICIENCY	Published on 08/11/2019	2018 1101 6816	03-05-2018	Prof. Pralay Maity, Anupma Gaur, ShivamTiwari- SMST & Dr. Sanjay Kumar Rai, Chandan Kumar- School of Biomedical Engg.	SMST & Bio Medical Engg
32	FABRICATION OF CERAMIC BOARD THROUGH SOLID-STATE SINTERING METHOD BY UTILIZING WASTE MATERIALS	Published on 08/11/2019	2018 1101 6451	01-05-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg
33	FABRICATION OF CERAMIC BOARD THROUGH ROOM TEMPERATURE CURING PROCESS BY UTILIZING WASTE MATERIALS	Published on 08/11/2019	2018 1101 6452	01-05-2018	Dr. P.K. Roy, SK Saddam Hossain	Ceramic Engg

Patents Published in the year 2018

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
1.	A Biomass Composition for thermal Insulation and Method of Manufacturing the same	Published on 09/02/2018	201611024361	15-07-2016	Dr. M. R. Majhi ; SK Saddam Hossain & Aman Bhardwaj	Ceramic Engg

2.	A Method for Controlled Biodegradation of Biopolymer using Inorganic Salt and Product Thereof.	Published on 06/04/2018	201611029959	01-09-2016	Prof. Pralay maity ; Sunil Kumar	SMST
3.	A Composition for Bricks from Waste Materials and Method of manufacturing the Same	Published on 16/03/2018	201631030744	08-09-2016	SK Saddam Hossain ; Lakshya Mathur & Dr. M. R. Majhi	Ceramic Engg
4.	A Solution Phase Synthesis for Doped/ Undoped Cerium (IV) Pyrophosphate Compunds of Different Morphologies	Published on 06/04/2018	201611033229	29-09-2016	Dr. Bhupendra Singh	Ceramic Engg
5.	A Process for Preparing Pyrophosphate- Carbonate Composite Ionic Conductors and Product Thereof.	Published on 20/04/2018	201611035232	14-10-2016	Dr. Bhupendra Singh	Ceramic Engg
6.	A System for Channelling and Encasing Conditioned Air Around Processing Unit and the method Thereof.	Published on 11/05/2018	201611038371	10-11-2016	Dr. Ravindranath Chowdary Chandra ; Manajit Chakraborty	Computer Science & Engineering
7.	A Method for Preparing tiles and Composition Thereof.	Published on 25/05/2018	201631039979	23-11-2016	SK Saddam Hossain ; Lakshya Mathur ; Dr. Preetam Singh & Dr. M. R. Majhi	Ceramic Engg
8.	A Method for Stabilizing An Ayurvedic Wound Healing Formulation	Published on 08/06/2018	201611041318	02-12-2016	Prof. Pralay Maity ; Arpan Biswas ; Manori Amarajeewa & Dr. Manoranjan Sahu	SMST & IMS (Ayurveda)
9.	A Process for Producing Ph Independent Cellulase and Product Thereof.	Published on 22/06/2018	201611043036	16-12-2016	Prof. P. K. Srivastava ; Neha Srivastava ; Manish Srivastava & Dr. P. W. Ramteke	Chemical Engg & Delhi Univ.
10.	Lead-Free Piezoelectric Ceramics with Enhanced Piezoelectric and Strains Properties and Method Thereof.	Published on 22/06/2018	201611043293	19-12-2016	Dr. P. K. Roy ; Dr. K.B.R. Verma & Dr. Bharti Ponraj	Ceramic Engg

11.	A Process to Produce High Energy Stontium Based Permanent Magnet and A Product Thereof.	Published on 22/06/2018	201611043294	19-12-2016	Dr. P. K. Roy ; Deepshikha Shekhawat	Ceramic Engg
12.	A Medicated Biodegradable patch for Treating Wounds and a Method Thereof.	Published on 03/08/2018	201711003060	27-01-2017	Prof. Pralay Maity ; Prof. Manoranjan sahu ; Mr. Arpan Biswas	SMST ; IMS Ayurveda
13.	A METHOD FOR RAPID 3D PROTOTYPING OF SKELETAL MUSCLE TISSUE CONSTRUCTS USING A NOVEL COMPOSITION OF BIO-INK	Published on 10/08/2018	201711004598	08-02-2017	Dr. S. K. Mahato ; Ashutosh Bandyopadhyay & Vimal Kumar Dewangan	Bio Medical Engg
14.	High Capacitance Electrode for Pseudocapacitors and a Method of Preparing the same.	Published on 07/09/2018	201711007782	06-03-2017	Prof. Rajiv Prakash & Dr. Asha Gupta (RA)-SMST; Dr. Preetam Singh	SMST & Ceramic Engg
15.	A System and Method for Real- Time Cattle recognition using Muzzle Images	Published on 21/09/2018	201711008958	15-03-2017	Dr. Sanjay Kumar Singh, Dr. Tanima Dutta, Dr. Hari Prabhat Gupta, Mr. Santosh Kumar	Computer Science and Engineering
16.	Cholinesterase Inhibiting Compounds, Composition and Process thereof.	Published on 26/01/2018	201611011127	23-03-2017	Dr. S. K. Srivastava , Saurabh K Sinha	Pharmaceutics
17	A MULTI-UTILITY EQUIPMENT	Published on 26/11/2018	201811033581	06-09-2018	Dr. Alakh N. Sahu, Dharmendra Yadav	Pharmaceutics
18	A NOVEL FORMULATION OF DABIGATRAN SOLID DISPERSION FORMULATION AND A METHOD OF PREPARATION THEREOF	Published on 26/11/2018	201811029316	03-08-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal	Pharmaceutics

19	A SYRINGE WITH CONTROLLED VOLUME DISPENSING SYSTEM	Published on 26/11/2018	201811030441	14-08-2018	Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Snehalata Rai	Bio Medical Engg
20	A NOVEL BARIUM BIOACTIVE GLASS (BaBG) FORMULATION AND A METHOD THEREOF	Published on 26/11/2018	201811033966	10-09-2018	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, Smriti Gupta	Pharmaceutics
21	AN INSULATION BRICK AND METHOD OF PREPARATION THEREOF	Published on 26/11/2018	201811033258	05-09-2018	Dr. Arup Kumar Mandal, Prof O. P. Sinha	Metallurgical Engg
22	A CYCLODEXTRIN GRAFTED POLYURETHANE HYDROGEL FOR DRUG DELIVERY AND A METHOD OF MAKING THE SAME	Published on 26/11/2018	201811035914	24-09-2018	Dr. Santanu Das, Mr. Rajarshi Bhattacharya, Dr. Somak Bhattacharya, Prof Pralay Maiti	Ceramic Engg, SMST, Electronics Engg
23	A BIOREACTOR FOR CULTURING OF LIVING CELLS OR TISSUES	Published on 26/11/2018	201811038940	13-10-2018	Prof. Pradeep Srivastava, Satyavrat Tripathi, Divakar Birendra kumar Singh	Bio Chemical Engg
24	A STABILIZED GREEN PRODUCT/COMPOSITION FROM HAZARDOUS JAROSITE WASTE AND PROCESS OF PREPARATION THEREOF	Published on 26/11/2018	201811028367	27-07-2018	Chayan Gupta, Prof. Arun Prasad	Civil Engg

25	GREEN SYNTHESIS PROCESS OF UPCONVERTING NaYF ₄ :Yb ³⁺ ,Tm ³⁺ NANOMATERIALS AND PRODUCTS THEREOF	Published on 30/11/2018	201711018827	29-05-2017	Dr. Manoj Kumar ; Mr. Sudhir Ranjan	Chemical Engg
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Patents Published in the year 2017

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
1	A system and Method for Inrush and Fault Detection for Differential Protection of Transformer	Published on 03/03/2017	2630/DEL/2015	25/8/2015	Prof. D.Singh, Prof. R.K. Mishra & Ms. Aprita Roy, Naveen Jha(Mathematics)	Electrical Engg
2	A Novel Method to Prepare TiO ₂ Nanoparticles Through A Hydrothermal Route	Published on 24/03/2017	3022/DEL/2015	23/9/2015	Dr. C. Rath	SMST
3	Apparatus for Alchohol Production by Fermentation with Integrated Reaction Cum Seperation Unit	Published on 31/3/2017	3078/DEL/2015	28-09-2015	Prof. P K Mishra & Deepika Kushwaha	Chemical Engg
4	A Method and System for Interacting with Computers or Other Electronic Systems based on dactylogy	Published on 16/06/2017	4114/DEL/2015	15-12-2015	Dr. Kishor Sarawadekar & Gourav Modanwal	Electronics Engg
5	Advanced Electrode Materials for Superior Psuedocapacitors and Reversible Alkali-ion (Li ⁺ /Na ⁺) Batteries	Published on 22/12/2017	20111007934	04-03-2016	Dr. Preetam Singh ; Prof. Rajiv Prakash	Ceramic Engg/ SMST
6	A Fermenter for Enhanced Bio-Hydrogen Production through Fermentative Route	Published on 22/12/2017	20111011909	04-04-2016	Prof. P. K. Mishra ; Neha Srivastava	Chemical Engg
7	A Method and System for Variable Film Deposition on a Solid Substate	Published on 22/12/2017	201611016344	10-05-2016	Dr. Manoj Kumar	Chemical Engg

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
8	Topical Composition for treatment of Burns with Enhanced Penetration and Method of Formulating The Sam	Published on 29/12/2017	201611020044	11-06-2016	Aparajita Dutta ; Gyanendra Singh ; Prof. A. K. Srivastava	Pharmaceutic
9	A Device with Improved Modulation Cavity for High Pulse Microwave Signal Generation and Method Thereof	Application Awaiting Examination/ Published on 10/03/2017	201611032924	27-09-2016	Manpuran Mahato ; Prof. P. K. Jain	Electronics
10	A PSA BIO-SENSING PLATFORM WITH GRAPHENE QUANTUM DOT-GOLD NANO-PARTICLE ELECTRODE AND A METHOD THEREOF	Published on 15/12/2017	201711035660	07-10-2017	Prof. Rajiv Prakash & Narsingh Raw Nirala ; Monika Srivastava	SMST
11	GREEN METHOD FOR FAST REDUCTION OF GRAPHENE OXIDE	Published on 15/12/2017	201711036056	11-10-2017	Dr. Santanu Das, shaikh Mohammad Zaeem : : Ceramic Engg	Ceramic Engg

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
12	A PHARMACEUTICAL COMPOSITION OF SULFONAMIDE DERIVATIVES FOR THE TREATMENT OF ALZHEIMER'S DISEASE	Published on 22/12/2017	201711041328	18-11-2017	Dr. S.K. Singh, Dr. G. P. Modi, Mr. D. Kumar, Ms. R. Swetha, Mr. C. Gayen, Mr. A. Ganeshpurkar :: Pharmaceutics	Pharmaceutics
13	AN ORAL BIOACTIVE GLASS FORMULATION CONTAINING AQUEOUS MICRONIZED BARIUM OXIDE FOR TREATING GASTRO-DUODENAL ULCERS	Published on 15/12/2017	201711031854	08-09-2017	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, :- Pharmaceutics :: Mr. S. K. Arepalli :- Ceramic Engg	Pharmaceutics & Ceramic Engg
14	A BIOACTIVE GLASS BASED FORMULATION FOR TREATING CEREBRAL ISCHEMIC REPERFUSION INJURY AND METHOD THEREOF	Published on 15/12/2017	201711032099	11-09-2017	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, :- Pharmaceutics	Pharmaceutics
15	A METHOD AND SYSTEM FOR IDENTIFYING CATTLE BY COMBINING UNIQUE IDENTIFICATION OF OWNER AND CATTLE	Published on 15/12/2017	201711032865	16-09-2017	Dr. Sanjay Kumar Singh, Debanjan Sadhya, Anshul Sharma,RAVI SHANKAR SINGH,KUNDAN KUMAR,RISHAV SINGH	Computer Science & Engineering

Sl. No.	Title	Description	Application No.	Filing Date	Inventor's Name	Department
16	SELF ADJUSTING FIXED TYPE JETTY AND A PROCESS OF ADJUSTING THEREOF	Published on 15/12/2017	201711031587	06-09-2017	Dr. K.K. Pandey, Dr. Rajesh Kumar, Ankit Patel, Achin Agrawal	Civil Engg
17	A STRONTIUM-BASED HIGH ENERGY HARD MAGNET AND A METHOD OF PRODUCTION THEREOF	Published on 22/12/2017	201711041329	18-11-2017	Dr. P.K. Roy, Deepshikha Shekhawat	Ceramic Engg
18	A BIOACTIVE GLASS SCAFFOLD AND A METHOD OF PREPARATION THEREOF	Published on 15/12/2017	201711035474	06/10/2017	Dr. S. Krishnamurthy, Mr. Pankaj paliwal, Shreyasi Majumdar, :- Pharmaceutics :: Mr. S. K. Arepalli :- Ceramic Engg	Pharmaceutics & Ceramic Engg
19	"METHOD OF MANUFACTURING OF CERAMICS BY UTILIZING WASTE MATERIALS"	Published on 22/12/2017	201711038451	30-10-2017	Dr. P.K. Roy, SK Saddam Hossain, Ram Pyare	Ceramic Engg

Sl. No.	Title	Application No.	Inventor's Name	Department	Publication Date
1	A Process For The Polyethylenimine And Organic Reducing Agent -Mediated Synthesis Of Noble Metal Nanoparticles, And Prussian Blue Nanoparticles Therefrom	4043/DEL/2014	Prof. P.C. Pandey	Chemistry	01-07-2016

Patent Published in the year 2016

Patents Published in the year 2015

Sl. No.	Title	Application No.	Inventor's Name	Department	Publication Date
1	Technique For Protection Of Ferrocement From Corrosion	3663/DEL/2014	Prof. M. A. Quraishi	Chemistry	16-01-2015
2	A Process For The Organic Hydroperoxide-Mediated Synthesis Of Noble Metal Nanoparticles, Bimetallic Nanosol And Prussian Blue Nanoparticles Therefrom	2153/DEL/2013	Prof. P.C. Pandey & Ashish Pandey	Applied Chemistry	23-01-2015
3	Chemical Process For Formation Of Anthraquinone Moiety/Cysteamine Functionalized-Gold Nanoarticle/Chitosan Based Composite And Application In Detection Of Dissolved Oxygen	3150/DEL/2013	Dr. Ida Tiwari, Mandakini Gupta & Prof. Rajiv Prakash (SMST)	BHU Chemistry & SMST	01-05-2015

Patents Published in the year 2014

Sl. No.	Title	Application No.	Inventor's Name	Department	Publication Date
1.	A Herbal Nutraceutical Formulation For Malnutrition In Women And A Process For Preparing The Same	733/DEL/2013	Dr. Pradeep Srivastava	Bio Chemical Engg	12-12-2014
2.	A Herbal Nutraceutical Formulation For Adolescent Girls	734/DEL/2013	Dr. Pradeep Srivastava	Bio Chemical Engg	12-12-2014
3.	A Herbal Nutraceutical Formulation For Chronic Fatigue Syndrome And Process For Preparing The Same	735/DEL/2013	Dr. Pradeep Srivastava	Bio Chemical Engg	12-12-2014
4.	A Herbal Nutraceutical Formulation For Anti-Obesity And A Process For Preparing The Same	736/DEL/2013	Dr. Pradeep Srivastava	Bio Chemical Engg	12-12-2014
5.	3-Dimensional Polymeric Hybrid Material For Bone And Cartilage Lesions And A Method Of Preparing The Same.	1124/DEL/2013	Dr. Pradeep Srivastava	Bio Chemical Engg	12-12-2014
6.	A Multi Enzyme Formulation for Washing Woven Products and A	1396/DEL/2013	Dr. Pradeep Srivastava	Bio Chemical Engg	12-12-2014

	Washing System Thereof.				
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Patents Granted

(Till now)

Sl. No.	Title	Application No.	Inventor's Name/Patentee	Date of Filing	Granting Date	Patent No.
1	CACIUM ION-SENSOR COMPRISING IONOPHORE/CARRIER ION-FREE POLYINDOLE-CAMPHOR SULPHONIC ACID COMPOSITE	2383/DEL/2010	Prem Chandra Pandey, Dheeraj Singh Chauhan, Rajiv Prakash	04/10/2010	07-08-2019	317867
2	A COMPOSITION FOR BRICKS FROM WASTE MATERIALS AND METHOD OF MANUFACTURING THE SAME	201631030744	IIT (BHU)	08/09/2016	29-08-2019	319464
3	A PROCESS FOR PREPARATION OF A HOMOGENEOUS POLYMER BLENDS PARTICULARLY BLENDS OF POLYCARBONATE (PC) AND POLY(METHYL METHACRYLATE) (PMMA)	141/DEL/2011	IIT (BHU)	20/01/2011	01-10-2019	322217
4	APPARATUS FOR ALCOHOL PRODUCTION BY FERMENTATION WITH INTEGRATED REACTION CUM SEPARATION UNIT	3078/DEL/2015	IIT (BHU)	28/09/2015	16/09/2021	377099
5.	A SOLUTION PHASE SYNTHESIS FOR DOPED/UNDOPED CERIUM(IV) PYROPHOSPHATE COMPOUNDS OF DIFFERENT MORPHOLOGIES	201611033229	IIT (BHU)	29-09-2016	22/10/2021	379792

6.	FUNCTIONALIZED GRAPHENE OXIDE BASED NANOPROBES	201811009385	IIT (BHU)	14/03/2018	15/02/2022	389270
7.	A SYSTEM FOR REDUCING HEAT LOSS IN BRICK KILNS	201811021148	IIT (BHU)	06/06/2018	23/02/2022	390070
8.	A BIOACTIVE GLASS AS AN ORTHODONTIC ADHESIVE AND A METHOD OF PRODUCTION THEREOF	201811014080	IIT (BHU)	12/04/2018	24/03/2022	392788
9.	FORMULATION OF SILVER CONTAINING BIOACTIVE GLASS	201811017805	IIT (BHU)	11/05/2018	19/04/2022	394916
10.	TRIVALENT Al ³⁺ DOPED MAGNETITE AND A METHOD OF PREPARATION THEREOF	201811002355	IIT (BHU)	19/01/2018	18/05/2022	397040
11.	A Novel Method to Prepare TiO ₂ Nanoparticles Through A Hydrothermal Route	3022/DEL/2015	IIT (BHU)	23/9/2015	20/05/2022	397253
12.	ADVANCED ELECTRODE MATERIALS FOR SUPERIOR PSUEDOCAPACITORS AND REVERSIBLE ALKALI-ION (LI ⁺ /NA ⁺) BATTERIES	201611007934	IIT (BHU)	07/03/2016	31/05/2022	398136
13.	A NOVEL POLYMERIC PATCH FOR TREATING MELANOMA CANCER AND A METHOD THEREOF	201711045345	IIT (BHU)	18/12/2017	22/06/2022	399727
14.	A METHOD AND SYSTEM FOR VARIABLE FILM DEPOSITION ON A SOLID SUBSTRATE	201611016344	IIT (BHU)	10/05/2016	24/06/2022	399997
15.	EMG SENSOR FOR PROSTHETIC HAND	201811016601	IIT (BHU)	02/05/2018	15/07/2022	401354

	CONTROL					
16.	HOPPER	201811049831	IIT (BHU)	29/12/2018	18/07/2022	401550
17.	COMPOSITION OF RESVERATROL-LOADED HYBRID NANOPARTICLES AND A METHOD OF PREPARATION THEREOF	201811012870	IIT (BHU)	04/04/2018	25/07/2022	401976
18.	A NANOCARRIER FOR DELIVERING GENETIC MATERIALS AND A METHOD OF PREPARATION THEREOF	201811004496	IIT (BHU)	06/02/2018	29/07/2022	402599
19.	A SYRINGE WITH CONTROLLED VOLUME DISPENSING SYSTEM	201811030441	IIT (BHU)	14/08/2018	03/08/2022	402911
20.	METHOD OF MANUFACTURING COMBINED TYPE HUMIDITY SENSOR BASED ON TUNGSTEN DOPED Y-TYPE BARIUM HEXAFERRITE	201811004844	IIT (BHU)	08/02/2018	04/08/2022	403005
21.	POROUS SILICA SHAPES AND MANUFACTURING PROCESS THEREOF	201811025421	IIT (BHU)	06/07/2018	10/08/2022	403309
22.	A METHOD OF SYNTHESIS OF SOFT-HARD FERRITES	201711025371	IIT (BHU)	17/07/2017	11/08/2022	403357
23.	A METHOD FOR SYNTHESIS OF CERIUM(IV) PYROPHOSPHATE COMPOUNDS	201811004846	IIT (BHU)	08/02/2018	19/08/2022	403980

24.	A PORTABLE BIOSENSING SYSTEM AND METHOD FOR VISUAL DETECTION OF GLUCOSE IN BIOLOGICAL FLUIDS	201811010352	IIT (BHU)	21/03/2018	24/08/2022	404327
25.	A PHARMACEUTICAL COMPOSITION OF SULFONAMIDE DERIVATIVES FOR THE TREATMENT OF ALZHEIMER'S DISEASE	201711041328	IIT (BHU)	18/11/2017	25/08/2022	404586
26.	A PORTABLE TEST KIT FOR DETECTION OF GLUCOSE IN BIOLOGICAL FLUIDS AND A METHOD THEREOF	201811009239	IIT (BHU)	13/03/2018	30/08/2022	405274
27.	A STRONTIUM-BASED HIGH ENERGY HARD MAGNET AND A METHOD OF PRODUCTION THEREOF	201711041329	IIT (BHU)	18-11-2017	02/09/2022	405611
28.	A MULTIFUNCTIONAL HYBRID 3-(4-HYDROXY-3-METHOXY-PHENYL) PROP-2-ENOIC ACID AND SUBSTITUTED AMINEPIPERAZINE DERIVATIVES FOR THE TREATMENT OF ALZHEIMER'S DISEASE	201911000362	IIT (BHU)	03-01-2019	20/09/2022	407154
29.	AN IMPROVED SEGREGATOR	201911000354	IIT (BHU)	03-01-2019	26/09/2022	407616
30.	NANOHYBRID WITH HIGH ENERGY HARVESTING EFFICIENCY	201811018838	IIT (BHU)	19/05/2018	30/09/2022	408190
31.	AN INSULATION BRICK AND METHOD OF PREPARATION THEREOF	201811033258	IIT (BHU)	05/09/2018	17/10/2022	409127

32.	HIGH ENERGY, HIGH CURIE TEMPERATURE FERRITES FOR HIGH POWER APPLICATIONS	201811009240	IIT (BHU)	13/03/2018	21/10/2022	409556
33.	AN ALKALINE EARTH METAL DOPED ZINC OXIDE NANOSHEETS AND METHOD OF PREPARATION THEREOF	201811044916	IIT (BHU)	28-11-2018	25/10/2022	409820
34.	A METHOD OF PREPARING MINERAL FROM ALUMINIUM DROSS USING ORGANIC SOLVENT PRECIPITATION	201911008950	IIT (BHU)	07-03-2019	27/10/2022	410041
35.	A METHOD TO REDUCE SUSPENDED PARTICULATE MATTER IN AIR	201811027390	IIT (BHU)	21/07/2018	02/11/2022	410849
36.	A SYSTEM AND METHOD FOR GENERATING REAL-TIME TEXT PRESERVED OIL PAINTING USING SMART-DEVICE	201811010854	IIT (BHU)	23/03/2018	11/11/2022	411316
37.	A BIOREACTOR FOR CULTURING OF LIVING CELLS OR TISSUES	201811038940	IIT (BHU)	13-10-2018	14/11/2022	411397
38.	HIGH SURFACE AREA, HIGH PURITY AND HIGH CONDUCTANCE MONO-LAYERED REDUCED GRAPHENE OXIDE	201711043028	IIT (BHU)	30-11-2017	15/11/2022	411461
39.	A METHOD AND A KIT FOR DETECTING CONCENTRATION OF ANTI-TUBERCULOSIS DRUG IN A BIOLOGICAL SAMPLE	202111011562	IIT (BHU)	18-03-2021	29/11/2022	412826
40.	A METHOD FOR PREPARATION OF GRAPHENE-OXIDE NANOCOMPOSITES BASED	201911008550	IIT (BHU)	05-03-2019	30/11/2022	413062

	SPRAYABLE PAINT COATING					
41.	A NOVEL NANO-BINDER IN CASTABLE REFRACTORY AND A METHOD OF PREPARATION THEREOF	201811049448	IIT (BHU)	27/12/2018	01/12/2022	413374
42.	A STABILIZED GREEN PRODUCT/COMPOSITION FROM HAZARDOUS JAROSITE WASTE AND PROCESS OF PREPARATION THEREOF	201811028367	IIT (BHU)	27-07-2018	13/12/2022	414414
43.	A MULTI-UTILITY EQUIPMENT	201811033581	IIT (BHU)	06/09/2018	13/12/2022	414343
44.	A CYCLODEXTRIN GRAFTED POLYURETHANE HYDROGEL FOR DRUG DELIVERY AND A METHOD OF MAKING THE SAME	201811035914	IIT (BHU)	24-09-2018	16/12/2022	414797
45.	A BIOACTIVE GLASS DRUG FORMULATION FOR BONE REPAIR AND REGENERATION AND A METHOD OF PREPARATION THEREOF	201811040152	IIT (BHU)	24-10-2018	30/12/2022	416075
46.	A WASTE DERIVED NANO-SOL BINDER FOR CASTABLE REFRACTORY AND A METHOD OF PREPARATION THEREOF	201911016335	IIT (BHU)	24/04/2019	18/01/2023	418518
47.	MAGNESIUM ZINC FERRITE-POLYURETHANE NANO COMPOSITE	201911000437	IIT (BHU)	04-01-2019	24/01/2023	419113

48.	A NOVEL HYDROGEL WITH HIGH MECHANICAL STABILITY AND A METHOD OF MAKING THE SAME	201811045481	IIT (BHU)	01/12/2018	30/01/2023	419638
49.	SUBSTRATE-ASSISTED SYNTHESIS OF DIVERSE MORPHOLOGIES OF UPCONVERTING NANOMATERIALS	201711014647	IIT (BHU)	25/04/2017	30/01/2023	419567
50.	A METHOD OF PREPARING SYNTHETIC BEADS TO REMOVE HEAVY METALS FROM WASTE WATER	201911022735	IIT (BHU)	07/06/2019	06/02/2023	420595
51.	A BIO-PIEZOELECTRIC DEVICE AND A METHOD OF PREPARATION THEREOF	201911013972	IIT (BHU)	07/04/2019	06/02/2023	420499
52.	HOPPER WITH REPULSION TUBES	201911009585	IIT (BHU)	12-03-2019	02/03/2023	423762
53.	MATERIAL FOR FASTER BONE HEALING	201911013103	IIT (BHU)	02-04-2019	10/03/2023	424726
54.	A Process to Produce High Energy Stontium Based Permanent Magnet and A Product Thereof.	201611043294	IIT (BHU)	19-12-2016	15/03/2023	425230
55.	A NOVEL POLYMERIC HYDROGEL FOR TREATING MELANOMA CANCER AND A METHOD THEREOF	201911015958	IIT (BHU)	18-09-2019	20/03/2023	425831
56.	A NOVEL COMPOSITION FOR SURFACE MODIFICATION OF ANODE FOR ELECTROCHEMICAL APPLICATION	201911018781	IIT (BHU)	10-05-2019	27/03/2023	427052

57.	GREEN METHOD FOR FAST REDUCTION OF GRAPHENE OXIDE	201711036056	IIT (BHU)	11-10-2017	28/03/2023	427348
58.	A STRONTIUM BASED RARE EARTH FREE HIGH ENERGY PERMANENT MAGNET FOR DC MOTOR APPLICATION AND A METHOD OF SYNTHESIS THEREOF	201811048780	IIT (BHU)	22-12-2018	12/04/2023	428773
59.	A DIRECT BROADCAST SYSTEM USING CDMA TECHNOLOGY	201911019579	IIT (BHU)	17-05-2019	17/04/2023	428998
60.	SOLAR AIR HEATER	201911021293	IIT (BHU)	29-05-2019	25/04/2023	429893
61.	JANUS SHAPED SILVER-MAGNETITE NANOPARTICLES AND A METHOD OF PREPARATION THEREOF	201911020251	IIT (BHU)	22-05-2019	02/05/2023	430955
62.	A NOVEL FORMULATION OF DABIGATRAN SOLID DISPERSION FORMULATION AND A METHOD OF PREPARATION THEREOF	201811029316	IIT (BHU)	03-08-2018	30/05/2023	433205
63.	FRICTION REDUCING COATING ON ORTHODONTIC WIRES	201911013104	IIT (BHU)	04-02-2019	09/06/2023	434385
64.	TOPICAL COMPOSITION FOR TREATMENT OF BURNS WITH ENHANCED PENETRATION AND METHOD OF	201611020044	1.APARAJITA DUTTA 2.GYANENDRA	11-06-2016	15/06/2023	434825

	FORMULATING THE SAME		SINGH			
65.	A DEVICE FOR MODELLING SOFTWARE CLONE EVOLUTION ACROSS DIFFERENT VERSIONS AND A METHOD THEREOF	201811016656	IIT (BHU)	02-05-2018	03/07/2023	436906
66.	A NOVEL BARIUM BIOACTIVE GLASS (BaBG) FORMULATION AND A METHOD THEREOF	201811033966	IIT (BHU)	10-09-2018	01/08/2023	442094
67.	A POLYMER OR 2D NANO-COMPOSITE FILM AND A METHOD OF PRODUCTION THEREOF	201811013068	IIT (BHU)	05-04-2018	02/08/2023	442524
68.	AN ORAL BIOACTIVE GLASS FORMULATION CONTAINING AQUEOUS MICRONIZED BARIUM OXIDE FOR TREATING GASTRO-DUODENAL ULCERS	201711031854	IIT (BHU)	08-09-2017	08/08/2023	443707
69.	SOLAR AIR HEATER	201811045795	IIT (BHU)	04-12-2018	21/08/2023	445973
70	A METHOD TO ENHANCE THERMAL STABILITY AND EFFICIENCY IN POROUS FLUOROPOLYMER HYBRID MEMBRANE	201711027183	IIT (BHU)	31-07-2017	18/09/2023	452271

71	A NOVEL ANTI-COAGULANT FORMULATION AND A METHOD OF PREPARATION THEREOF	201911012094	IIT (BHU)	27-03-2019	28/09/2023	455533
72	A DUAL-MODE EVAPORATIVE COOLER FOR COMPOSITE CLIMATE	202111057640	IIT (BHU)	10-12-2021	03/10/2023	456357
73	A METHOD OF PREPARING TITANIUM DIOXIDE BASED TRANSPARENT AND THIN FILMS AND A PRODUCT THEREOF	201911008546	IIT (BHU)	05-03-2019	09/10/2023	457610
74	A Method for Controlled Biodegradation of Biopolymer using Inorganic Salt and Product Thereof.	201611029959	IIT (BHU)	01-09-2016	17/10/2023	459909
75	A Method for Preparing tiles and Composition Thereof	201631039979	IIT (BHU)	23-11-2016	26/10/2023	462510
76	ALUMINIUM FOAM WITH HIGH POROSITY AND OPEN-CELLED MICROSTRUCTURE USING POWDER METALLURGY ROUTE AND A PROCESS THERE OF	201911010216	IIT (BHU)	15-03-2019	31/10/2023	464559
77	HIGH TEMPERATURE APPLICABLE BINDER FROM EGG SHELL AND A METHOD OF SYNTHESIS THEREOF	201711035361	IIT (BHU)	05-10-2017	01/11/2023	464853

78	A FERMENTER FOR ENHANCED BIO-HYDROGEN PRODUCTION THROUGH FERMENTATIVE ROUTE	201611011909	IIT (BHU)	04-04-2016	09/11/2023	467440
79	GREEN SYNTHESIS PROCESS OF UPCONVERTING NaYF ₄ :Yb ³⁺ ,Tm ³⁺ NANOMATERIALS AND PRODUCTS THEREOF	201711018827	IIT (BHU)	29-05-2017	09/11/2023	467456
80	A DEVICE WITH IMPROVED MODULATION CAVITY FOR HIGH PULSE MICROWAVE SIGNAL GENERATION AND METHOD THEREOF	201611032924	IIT (BHU)	27-09-2016	10/11/2023	467947
81	AN IMPROVED SOLAR STILL ASSEMBLY FOR PURIFICATION OF RAW WATER	202111000980	IIT (BHU)	08-01-2021	16/11/2023	469575
82	A THERMALLY EFFICIENT OVER-EXPANSION STROKE BASED ENGINE	201911050006	IIT (BHU)	04-12-2019	28/11/2023	473845
83	A MEDICATED BIODEGRADABLE PATCH FOR TREATING WOUNDS AND A METHOD THEREOF	201711003060	IIT (BHU)	08-02-2017	30/11/2023	475272
84	A BIOACTIVE GLASS BASED FORMULATION FOR TREATING CEREBRAL ISCHEMIC REPERFUSION INJURY AND METHOD THEREOF	201711032099	IIT (BHU)	11-09-2017	07/12/2023	478737
85	“METHOD OF MANUFACTURING OF CERAMICS	201711038451	IIT (BHU)	30-10-2017	08/12/2023	479509

	BY UTILIZING WASTE MATERIALS”					
86	A NOVEL POLYMER BLEND UTILIZING WASTE PLASTICS AND PROCESS OF PREPARATION THEREOF	201911031635	IIT (BHU)	05-08-2019	14/12/2023	482955
87	A BIOACTIVE GLASS SCAFFOLD AND A METHOD OF PREPARATION THEREOF	201711035474	IIT (BHU)	06-10-2017	18/12/2023	484408
88	A DC/DC CONVERTER WITH BOTH CURRENT AND VOLTAGE SOURCE PROPERTY FOR OPTIMAL BATTERY CHARGING SYSTEM	202111039649	IIT (BHU)	01-09-2021	19/12/2023	485742
89	Adaptive optimal power management technique for Renewable Based Mix Energy System	202111031286	IIT (BHU)	12-07-2021	22/12/2023	487414
90	A MICRO-FLUIDIC PLATFORM FOR LOW DENSITY CULTURE OF CELLS AND A METHOD FOR CONTROLLING THE SAME	201811024410	IIT (BHU)	29-06-2018	01/01/2024	492562
91	A METHOD OF MANUFACTURING SYNTHETIC WOLLASTONITE BY UTILIZING WASTE MATERIALS	201811002872	IIT (BHU)	24-01-2018	11/01/2024	497844