

AY July'2021 - June'2022

Yellow Colour:Filed, Blue Colour:Published & Green Colour:Granted

Sr. No.	Title/Name of IP (Copyright/Design Only) <i>[Please mention the title/name of Copyright/Design Registrations Received at HEI during the Annual Calendar Year 2020 & 2021].</i>	Type of IP <i>[Please select the appropriate option for the IP type from the drop down list].</i> Options: • Copyright • Patent • Design	IP Registration Number of Copyright/Design <i>[Please provide IP registration number for the copyright/ designs].</i>	Registration Date of Copyright/ Design IP Filed/ Received (Date/Month/Year) <i>[Provide the Month and Year for the Registration of Copyright/ Design Filed/Received]</i>	Upload the Copy of Receipt/Registration (pdf/Jpg)
1	A SYSTEM AND A METHOD FOR QUARANTINE EPIDEMIC MODELS	Patent	AU 2021104529	24.07.2021	Dr. Ajit Keshri_Filed 24.07.2021
2	NANOPARTICLE BASED COLORIMETRIC METHOD FOR DETECTION OF ADULTERATION IN HONEY	Patent	202131048236 A	22.10.2021	Dr. Dilip Kumar Singh_Filed 22.20.2021
3	3-(2-Hydrooxyphenyl)-5-Phenyl-4, 5-Dihydro-1H-Pyrazole3-(2-Hydrooxyphenyl)-5-Phenyl-4, 5-Dihydro-1H-Pyrazole DERIVATIVES, THEIR SYNTHESIS, ANTITUBERCULAR ACITIVITY & AMP; METHODS THEREOF	Patent	202131060167	23.12.2021	Dr. Venkatesan_Filed 23.12.2021
4	BITCOIN PRICE PREDICTION TECHNIQUE USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Patent	202111061406	29.12.2021	Dr. Santosh Kumar Sharma_Filed 29.12.2021
5	Electronic device for physically challenged people	Design	357841-001	03.02.2022	Dr.Nishi kant Kumar
6	A Hybrid Optimizer System to Solve Travelling Salesman Problems (Ein Hybrides Optimierungssystem Zur Lösung Von Handelsreisendenproblemen)	Patent	202022101679	30.03.2022	Dr. Sudip Sahana
7	Process for "Heuristic Initialization Based Safe Modified Ant Colony Optimization (HISMACO) for Multicast Routing.	Patent	202231020692 A	06.04.2022	Dr. Sudip Sahana
8	A COMPACT ULTRA-WIDE-BAND M.SRDRA	Patent	202211021327 A	09.04.2022	Dr. Neela Chatoraj
9	ULTRAWIDE BAND RRDA WITH A BEVEL-SHAPED PATCH AND A METHOD OF DEVELOPMENT THEREOF	Patent	202211021299 A	09.04.2022	Dr. Neela Chatoraj
10	A DELIVERY SYSTEM FOR PHYTOBIOACTIVES IN BONE HEALING	Patent	202211024100	25.04.2022	Dr. Sneha Singh
11	Ultra Wide Band Hybrid Antenna Sensor for WBAN applications	Patent	202211031056 A	31.05.2022	Dr. Neela Chatoraj
12	PROTEIN HYDROGEL FOR TOPICAL APPLICATION AND FORMULATION FOR SKIN REGENERATION/ WOUND HEALING	Patent	28/2021	09.07.2021	Dr.Ashoke Sharon_Published 09.07.21 (Protein)
13	DEVELOPING ARTIFICIAL INTELLIGENCE BASED FEEDBACK SYSTEM IN HIGHER EDUCATION INSTITUTIONS	Patent	202241041368 A	29.07.2022	Dr. Shruti Garg
14	A HOUSEHOLD FILTER UNIT USING IRON ORE FINES (IOF) AND MANGANESE ORE (MO) FOR DECONTAMINATION OF ARSENIC FROM GROUNDWATER	Patent	46/2021	12.11.2021	Dr. Sanjay Kumar Swain_Published 12.11.2021
15	AlGaIn/GaN BASED HEMT FOR RF AND LOW NOISE APPLICATION	Patent	202141025986 A	03.12.2021	Dr. AMINUL ISLAM_Published 03.12.2021 AlGaIn
16	DESIGN OF EMBEDDED RADIATION HARDENED CACHE MEMORY CELL	Patent	202141025985 A	03.12.2021	Dr. AMINUL ISLAM_Published 03.12.2021 Design
17	3-(ISOXAZOLYMETHYL)-1,2,4-OXADIAZOLE DERIVATIVES AND METHOD OF PREPARING THE SAME	Patent	202031034370 A	18.02.2022	Dr. Ashoke Sharon_Filed 11.08.2020 3-(ISO)
18	A System and a Method for Isolation of Distributed Denial of Service Attack in Internet of Things	Innovation Patent	2021102419	02.03.2022	Dr. Upendra Kumar
19	A COMPACT ULTRA-WIDE-BAND M.SRDRA	Patent	202211021327 A	15.04.2022	Dr. Neela Chatoraj
20	ULTRAWIDE BAND RRDA WITH A BEVEL-SHAPED PATCH AND A METHOD OF DEVELOPMENT THEREOF	Patent	202211021299 A	15.04.2022	Dr. Neela Chatoraj
21	Process for "Heuristic Initialization Based Safe Modified Ant Colony Optimization (HISMACO) for Multicast Routing.	Patent	202231020692 A	13.05.2022	Dr. Sudip Sahana
22	Ultra Wide Band Hybrid Antenna Sensor for WBAN applications	Patent	202211031056 A	10.06.2022	Dr. Neela Chatoraj

23	Pen with USB Pen Drive and Led Light	Design	346115-001	12.07.2021	Dr. S P Singh Grant Pen with USB pen drive 12.07.2021
24	SMART ARTIFICIAL INTELLIGENCE BASED FLEET ANALYTIC SYSTEM	Patent	Aus 2021106612	23.08.2021	Dr. Sudip Sahana_Grant 23.08.2021.pdf
25	Electronic device for physically challenged people	Design Patent	357841-001	03.02.2022	Dr. Nishikant Kumar
26	A Hybrid Optimizer System to Solve Travelling Salesman Problems (Ein Hybrides Optimierungssystem Zur Lösung Von Handelsreisendenproblemen)	Patent	202022101679	04.05.2022	Dr. Sudip Sahana
27	Blockchain-enabled portable device for Public Distribution Centres // Blockchain-fähiges tragbares Gerät für öffentliche Vertriebszentren	Utility model, Germany	DE file number-20 2022 101 609.7	19.05.2022	Dr. Nishikant Kumar
28	A HOUSEHOLD FILTER UNIT USING IRON ORE FINES (IOF) AND MANGANESE ORE (MO) FOR DECONTAMINATION OF ARSENIC FROM GROUNDWATER ARSENIC FROM GROUNDWATER	Patent	398783	08.06.2022	Dr. Sanjay Swain