



# Mewar University, Gangrar, Chittorgarh, Rajasthan.

## List of Patents Published/Awarded (Students and Faculty members of MU)

S.No.	Name (Student/Faculty)	Patent Number	Title	Date of Publication/ Award	Agency and Status
1.	Ajit Joshi Mohammad Ashid Giriraj Tailor Aarfah Majid	463208	NOVEL 4, 5-DIHYDRO-3-MESITYL-5-METHYLISOXAZOLE-5-CARBOXAMIDE DERIVATIVE & METHOD OF PREPARATION THEREOF	06-09-2019	Indian Patent (Granted)
2.	Rajesh Bhatt	202211050629	MACHINE LEARNING IN RETAIL INDUSTRY AND A SYSTEM TO TRACK THE FEASIBLE BUSINESS MODEL	09-09-2022	Indian Patent (Published)
3.	Esar Ahmad	2021106218	A HIGH PERFORMANCE CONCRETE (HPC) COMPOSITION	16-12-2021	Australian Patent (Granted)
4.	Hariom Sharma	2022/07097	A COMPOSITION AND A METHOD FOR SYNTHESIS OF HERBAL EXTRACTS LOADED PHYTO-PHOSPHOLIPID COMPLEXES (PHYTOSOMES)	28-09-2022	South African Patent (Granted)
5.	Hariom Sharma	2022/07708	HERBAL-BASED SUNSCREEN FORMULATION AND A METHOD OF PREPARATION THEREOF	28-09-2022	South African Patent (Granted)
6.	Sarvottam Dixit Jyoti Singh Raghav Monika Varshney Varsha Sharma Prateek Agarwal	GB2348765	CLOUD-BASED HUMAN RESOURCE DATA ANALYSIS AND DECISION MAKING FOR GROUP ENTERPRISES	20-11-2022	UK Patent (Granted)



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7.	Mayank Dixit Sonia Tyagi Gulzar Ahmed Sarvottam Dixit Sanju Chauhan	GB2696348	DISTRIBUTED OPTIC-FIBRE WITH HIGH SPTIAL RESOLUTION AND A WIDE MEASUREMENT RANGE FOR THE INTERNET OF THINGS (IoT)	11-12-2022	UK Patent (Granted)
8.	Shamama Ahmed Kapil Nahar Samer Khan Sunil Khateria Sanju Chauhan	GB3125842	A SOLAR-POWERED ELECTRIC BI-HYBRID VEHICLE WITH ARTIFICIAL INTELLEGENCE (AI) WILL BE ABLE TO COMPETE WITH INTERNAL COMBUSTION ENGINE (IC) VEHICLES BY USING GRAPH	09-01-2023	UK Patent (Granted)
9.	Rajesh Bhatt	2021100000	A METHOD TO MEASURE THE AIR POLLUTION IMPACT ON TERRESTRIAL AND NATURAL VEGETATION IN URBAN LOCATIONS	18-03-2021	Australian Patent (Published)
10.	Jitendra Vaswani Pramod Mehta Gaurav Sharma	202211040310	A SYSTEM OF DUAL-BAND, DUAL-POLARIZED FOUR-PORT MIMO ANTENNA FOR FIFTH-GENERATION COMPACT SMARTPHONES	22-07-2022	Indian Patent (Published)
11.	Ajit Joshi Mohammad Ashid Giriraj Tailor Aarfah Majid	201911044224	NOVEL 4, 5-DIHYDRO-3-MESITYL-5-METHYLISOXAZOLE-5-CARBOXAMIDE DERIVATIVE & METHOD OF PREPARATION THEREOF	08-09-2019	Indian Patent (Published)



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12.	<b>Ajit Joshi Mohammad Ashid Giriraj Tailor Aarfah Majid</b>	<b>202011001736</b>	<b>A NOVEL BIODEGRADABLE COPOLYMER &amp; METHOD OF SYNTHESIS THEREOF</b>	<b>17-01-2020</b>	<b>Indian Patent (Published)</b>
13.	<b>Md. Firdos Alam Sheikh</b>	<b>202011049571</b>	<b>PERFORMANCE EVALUATION OF CRYPTOGRAPHIC ALGORITHM USING IOT BASED HARDWARE PLATFORM</b>	<b>27-11-2020</b>	<b>Indian Patent (Published)</b>
14.	<b>Md. Firdos Alam Sheikh</b>	<b>202041045939</b>	<b>INTELLIGENT TRACKING SYSTEM FOR VEHICLES</b>	<b>30-10-2020</b>	<b>Indian Patent (Published)</b>
15.	<b>Md. Firdos Alam Sheikh</b>	<b>202041046673</b>	<b>IOT BASED PROCESS CONTROL FOR COPPER METAL COATING ON STEEL</b>	<b>06-11-2020</b>	<b>Indian Patent (Published)</b>
16.	<b>Md. Firdos Alam Sheikh</b>	<b>202041047751</b>	<b>IOT BASED MUNICIPAL GARBAGE MONITORING SYSTEM FOR THE SMART CITIES</b>	<b>13-11-2020</b>	<b>Indian Patent (Published)</b>
17.	<b>Jyoti Raghav</b>	<b>202141048336</b>	<b>AN APPROACH BASED ON GRAPH THEORY TO REDUCE MATHEMATICAL COMPLEXITY</b>	<b>05-11-2021</b>	<b>Indian Patent (Published)</b>
18.	<b>Shiv Kumar</b>	<b>202111009357</b>	<b>SECURE PRINTING OF THE DOCUMENT ON SHARED RESOURCES</b>	<b>12-03-2021</b>	<b>Indian Patent (Published)</b>
19.	<b>Chetali Agarwal</b>	<b>202022100884</b>	<b>DATA SCIENCE IN SUPPLY CHAIN ANALYSIS IS USING BLOCK CHAIN TECHNOLOGY</b>	<b>23-02-2022</b>	<b>Deutsches Patent (Published)</b>



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20.	Jyoti Raghav Sarottam Dixit	202211032842	CLOUD-BASED HUMAN RESOURCE BIG DATA ANALYSIS AND DECISION MAKING FOR GROUP ENTERPRISES	24-06-2022	Indian Patent (Published)
21.	Nikhil Garg	202211017462	GESTURE CONTROL WHEEL CHAIR USING ARDUINO, ACCELEROMETER AND RF WIRELESS TRANSMISSION	08-04-2022	Indian Patent (Published)
22.	Sarita Sharma B L Pal Umesh Garu Ravindra Kumar Verma	202211050161	A SYSTEM BASED ON ANN & ML TO MAP CANCER DATA TO THE BIOMEDICAL RESEARCH INTEGRATED DOMAIN IN A SEMI-AUTOMATED MANNER	09-09-2022	Indian Patent (Published)
23.	Kapil Nahar Samir Khan Sunil Kumar Katheria	202211036489	A SOLAR-POWERED ELECTRIC BI-HYBRID VEHICLE WITH ARTIFICIAL INTELLIGENCE (AI) WILL BE ABLE TO COMPETE WITH INTERNAL COMBUSTION ENGINE (IC) VEHICLES BY USING GRAPH ANALYTICS	08-07-2022	Indian Patent (Published)
24.	Mayank Dixit Soniya Tyagi Gulzar Ahmed Sarvottam Dixit Sanju Chauhan	202211034329	DISTRIBUTED OPTIC-FIBER SENSORS WITH HIGH SPATIAL RESOLUTION AND A WIDE MEASUREMENT RANGE FOR THE INTERNET OF THINGS	11-12-2022	Indian Patent (Published)



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25.	Ankit Navalakha	202211016033	A SYSTEM FOR AD HOC MODEL BUILDING AND MACHINE LEARNING SERVICES FOR RADIOLOGY QUALITY DASHBOARD AND METHOD THEREOF	01-04-2022	Indian Patent (Published)
26.	Ankit Navalakha	202241024064	WEARABLE BRAIN COMPUTER INTERFACE SYSTEM TO RECOGNIZE HUMAN EMOTIONS AND GESTURE USING SUPERVISED MACHINE LEARNING	06-05-2022	Indian Patent (Published)
27.	Neelu Jain Arpana Sharma Gautam Singh Dhaked Y. Sudarshan	202211054132	PAPER PREPARATION FROM PULP OF UNPRODUCTIVE STEM(S) OF PAPAYA	30-09-2022	Indian Patent (Published)
28.	Deepak Kumar Joshi	202231046196	A SYSTEM AND METHOD BASED ON CONVOLUTIONAL NEURAL NETWORK FOR EVALUATING ELECTRIC VEHICLE ENERGY DEMAND	26-08-2022	Indian Patent (Published)
29.	Kapil Nahar	202211019953	A MACHINE LEARNING BASED SYSTEM FOR CHILLER PLANTS MODELLING, OPTIMIZATION DIAGNOSIS AND EVALUATION	08-04-2022	Indian Patent (Published)



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30.	Suraj Kumhar Nirma Kumari Sharma Deepak Kumar Joshi Bhagya Shree Sharma	202211051814	AN ANN BASED SOLAR POWER FORECASTING SYSTEM FOR SOLAR GRID- CONNECTION GENERATED POWER	16-09-2022	Indian Patent (Published)
31.	Sayed Arif Ali	202221007543	SMART IOT BASED RECHARGING POINTS FOR ELECTRIC VEHICLES	15-04-2022	Indian Patent (Published)
32.	Sayed Arif Ali	202241006214	A SMART IOT BASED APPLICATION TO SUPPORT AND MONITOR BANK ACCOUNTS OF AN ORGANIZATION	11-02-2022	Indian Patent (Published)
33.	Nirma Kumari Sharma	202211049045	A CNN BASED SOLAR POWER SYSTEM FOR FORECASTING OF POWER IN A WIND-SOLAR HYBRID POWER GENERATION PLANT	02-09-2022	Indian Patent (Published)
34.	Hari Singh Chauhan Arpana Sharma Prashant Dixit Ankita Mathur	202211054131	PREPARATION OF BIOPLASTICS FROM CUSTARD APPLE FRUIT WASTE	30-09-2022	Indian Patent (Published)