

### Major Project Detail 2020-24

Group No.	Name of Student	Enrollment No.	Project Title	Name of Project Guide	POs	PSOs	SDGs
1	Anurag Sheoran	2114804920	Enhancing safety in IOT systems : Machine Learning Approaches for robust anomaly detection	Dr. Monika Gupta	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	Aryan Mishra	2614804920					
	Anuj Bharadwaj	1914804920					
2	Ashwani Kr Sharma	3014804920	Driver Drowsiness Detection System Using Arduino	PROF. UK Jha	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	ANAY RASTOGI	1614804920					
	ASHISH KUMAR	2814804920					
3	DEEPAK	1514807821	GSM Based Smart Dustbin	MR. Sheesh Kumar Garg	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	BHASKAR PANDEY	2114807821					
	VISHAL	1014807821					
4	Mayank Prajapati	1414807821	Overload & Short Circuit Protection S	Prof. Rajveer Mittal	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12		SDG4, SDG8 SDG9
	Ashwani Kumar	2514807821					
	Faiz Raza	2614807821					
5	Rohan kumar	2014807821	Solar Automatic Irrigation System	Prof. Poonam Juneja	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG2, SDG4, SDG8 SDG9
	BHUPESH VARDHAN	914807821					
	KAJAL	1314807821					
6	SUKRITI	514807821	Auto Power Switching Mains, Solar OR Inverter	PROF. Lalit Agarwal	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	PREETI KUMARI	814807821					
	ANIKET JHA	1714804920					
7	Amit Kumar Pandey	1314804920	Fuzzy Energy Mangement in grid Connected PV battery system	Mr. Ravi Sharma	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO3	SDG4, SDG7,SDG8 SDG9
	Anmol Sharma	1814804920					
	Aditya Kumar Yadav	714804920					
8	Deepak Saini	214807821	Automatic Vehicle Accident Detection and Rescue System	Mr. Ashok Goyal	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	Ruchi	414807821					
	Laxman Bhandari	2214807821					
9	Anuj Dubey	1614807821	48 Volt Battery Pack for Electric Bike	Mr. Ravi Sharma	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO1	SDG4, SDG8 SDG9
	Kuldeep Singh	1714807821					
	Deepak Sharma	1914807821					
10	Akshat Jain	1214804920	Solar Power Generation Forecasting	Asst. Neha Aggarwal	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO1	SDG4, SDG7, SDG8 SDG9
	Bhumika Attri	3414804920					
	Bhumika Bansal	3514804920					
	Aayushi Mishra	114804920					
11	Anurag yadav	2214804920	Digital Bank Locker system	Mr. Govind Gupta	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	Amol pratap singh	1414804920					
	Ashish kumar rai	2914804920					
12	neeraj	314807821	atmospheric ionic plasma thruster	Dr .laxya	PO1, PO2, PO3, PO4., PO5, PO8,		SDG4, SDG8 SDG9
	shivam bhartiya	1814807821					

	dheeraj kumar	2414807821			PO9, PO10, PO11, PO12		SDG9
13	Adarsh Kumar Jha	414804920	RoofTop Solar Installation		PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO3	SDG4, SDG7, SDG8 SDG9
	Aditya Rawat	914804920		Dr. L.P. Singh			
	<b>Aayushi Mishra</b>	114804920					
14	tanmay	2814807821	IoT based smart energy meter using IoT	Ms. Shashibala aggarwal	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	vishwajeet	714807821					
	akshit gusain	2314807821					
15	Azizur Rehman	3214804920	Trasnformer overloading using Adrinc	Ms. Poonam Juneja	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12		SDG4, SDG8 SDG9
	Ayush Kumar	3114804920					
	Abhay Kumar	314804920					
16	Aryan Chaudhary	2414804920	IOT based indoor farm monitoring sys	Dr. S.K. Pandey	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG2, SDG4, SDG8 SDG9
	Abhash	214804920					
	Chaitanya Shah	3714804920					
17	Sourav dagar	1214807821	voice controlled robotic subsystem		PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG4, SDG8 SDG9
	Supreety Saini	1114807821		Dr. L.P.Singh			
	Aryan Sindhav	2714804920					
18	Aryamon Chattopadhyay	2314804920	IoT based Solar Powered Indoor Air Quality Monitoring System	Dr. L.P. Singh	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG3,SDG4, SDG8 SDG9
	Vicky Kumar	614807821					
19	Shariq	114807821	Greenhouse monitoring and controlling system using IoT	Prof(Dr) Rajveer Mittal	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG3, SDG4, SDG8 SDG9
	Akash Sharma						
	Faishal Perwez	3014807821					
20	Guddu Prasad	2714807821	IoT Based Heart Attack Detection and Hear Rate Monitoring System	Mr. Jitender Lather	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG3, SDG4, SDG8 SDG9
	Binu Kumari	3614804920					
	Ragib Equbal	2914807821					
21	Aditya Mohan Vashistha	814804920	Grid Inter Connection - Analysis Using	Dr. Neelam Kassarwani	PO1, PO2, PO3, PO4., PO5, PO8, PO9, PO10, PO11, PO12	PSO3	SDG4, SDG8 SDG9
22	Hrishank	6014804920	Vending Machine Prototype	Ms. Supriya	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Narendra Deo	8814804920					
	Kinshuk Jha	6514804920					
	Milan Sood	7914804920					
23	Keshav Goyal	6414804920	Air Quality Monitoring System	Ms. Poonam Juneja	PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG3,SDG04, SDG09
	Kislaya Gupta	6614804920					
	Krishi Jain	6714804920					
24	Mayank Singhal	7714804920	Monitor And Control of Greenhouse	Mr. Lalit	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09, SDG11
	Dev Dahiya	3914804920					
25	Manav Sharma	7514804920	App Based Solution To Identify And	Dr. Monika Gupta	PO1, PO2, PO3, PO4	PSO2	SDG02, SDG04

	Devinder Singh	4414804920			PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG04, SDG09
	Honey Aggarwal	5914804920					
	Junnaid Ibrahim	6214804920					
26	Hiya Gulati	5814804920	Development of AI-based Web	Ms Aayushi	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG04, SDG09
	Pranav Sharma	9814804920					
27	Raghav Gupta	10114804920	Real-Time Traffic Density Estimation	Dr. Monika Gupta	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09, SDG11
	Madiha	7414804920					
28	Parth Gupta	9414804920	Fault Detection in Power Microgrid	Dr. Neelu Nagpal	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Piyush Singh	9614804920					
	Priyanshu Jha	10014804920					
29	Hardik Singh	5314804920	Solar-powered wireless EV Charging	Mr Sheersh	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2, PSO3	SDG04, SDG09, SDG11
	Pranav Garg	9714804920					
	Ritik Umang+	10514804920					
	Navratan	8914804920					
30	Kritik Bhatia	6914804920	Advanced Vehicle Security System	Mr Jitender	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Mansi Kumari Roy	7614804920					
	Lokesh Melkani	7314804920					
	Lakshay Goel	7214804920					
31	Mridul Shukla	8314804920	IOT & GSM-based Fault Finder in	Mr Rahul	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Nishtha Lakhapal	9014804920					
	Muskaan Mangla	8414804920					
32	Ravi Kumar	10314804920	Multipurpose Solar Agrobot	Mr. Ashok Goyal	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Paras khurana	9314804920					
	Priyamvada pandey	9914804920					
33	Devyansh Pandey	4514804920	Dual (active and standby) Lithium-ion battery charger for continuous non-interrupted power supply to critical loads	Dr. Laxya	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2, PSO3	SDG04, SDG09
	Harsh Baisoya	5514804920			PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Ritik Jain	10414804920					
34	Hanish Kumar Kandoi	5214804920	Women and Child Security System	Ms Supriya	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Harsh Anand	5414804920					
	Kanishk Aswal	6314804920					
35	Dharam Raj Verma	4614804920	Monitoring System	Dr Sunil Pandey	PO1, PO2, PO3, PO4, PO5, PO9.	PSO2	SDG03, SDG04, SDG09
	Dev Joshi	4014804920					

	Dev Varat Bali	4114804920	Electricity Cost Forecasting using		PO10, PO11, PO12		
36	Harsh Goswami	5614804920		Dr Neelu Nagpal	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG04, SDG09
	Hitesh Gaba	5714804920					
	Kunal Malhotra	7014804920					
	Akshaj Jain	1114804920					
37	Gautam Goyal	5114804920	Panel Using Ardino	Ms Shashibala	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Dipansh Gupta	4714804920					
	Draun Mehta	4914804920					
38	Nitesh Tiwari	9114804920	Fault	Mr UK Jha	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG04, SDG09
	Rajnish kumar	10214804920					
	Narendra Singh Bisht	8714804920					
39	Parth Sharma	9514804920	Autonomous holonomic drive robot with object detection	Ms Neha	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
40	Isha Jain	6114804920	Solar Energy Measurement System	Dr LP Singh	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG04, SDG09, SDG11
	Mehak Goel	7814804920					
	Gaurav Pandey	5014804920					
41	Kriti Sighal	6814804920	Production Technologies	Prof Rajveer Mittal	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG7, SDG04, SDG09, SDG11
42	Aditya Chaurasia Panshul Sigh Kaim	00614804920 9214804920	Machine Learning Based Fault Diagnosis of Electric Drives in Smart Grids	Dr Chadakesh Shukla	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG03, SDG04, SDG09
43	Naman Acharya	8514804920	Cellphone Signal Booster	Dr. Monika Gupta	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG03, SDG04, SDG09
	Naman Kashyap	8614804920					
44	Lakshay	7114804920	Initial Design & Development of Retrofitting Electric Two-wheelers	Dr. Neelu Nagpal	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
45	Dishant Nagpal	4814804920	Health Connect: Bridging the gap between patients and doctors through innovation and compassion	Dr. Monika Gupta	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12		SDG03, SDG04, SDG09
46	Mohit Pal	8114804920	Grid Interconnections: Power System Analysis From Transmission 220/66kV to Distribution Using ETAP	Dr. Neelam Kassarwani	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO1	SDG04, SDG09
47	Manish Das, Amrit Chaudhary	35914804920 35214804920	Voice Controlled Wheel chair with GPS Location Tracking Using	Ms. Neha Aggarwal	PO1, PO2, PO3, PO4,	PSO2	SDG04, SDG09
48	Harsh Goyal	36814804920	Smart Gas Safety System: Load Cell Enhanced Detection & Shut-off with SMS Alerts	Mr. Rahul Garg	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	
	Anmol madan	35814804920					
	Naman Pahwa	36014804920					
49	Sarang	11514804920	tracker for Solar Panel	Ms. Monika Bhardwaj	PO1, PO2, PO3, PO4, PO5, PO8.	PSO2	SDG04, SDG7, SDG09
	Siddharth Jha	12114804920					

	Toukeer Khan	13314804920			PO9, PO10, PO11, PO12		
	Tejaswi	13214804920					
50	Manish Mandal	20514804920	Learning	Dr. Neelam	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Prince Pundir	20214804920					
	Vaibhav Jha	13814804920					
	Tushar Bhardwaj	13414804920					
51	Sourabh Ghosh	12414804920	Hub	Ms. Jyoti Gupta	PO1, PO2, PO3, PO4, PO5, PO8	PSO2	SDG04, SDG09
	Udit Kumar Sharma	13614804920					
52	Rituresh Kumar Rai	10614804920	meminductor Emulator	Dr. Laxya	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO1	SDG04, SDG09
	Udit Dixit	13514804920					
	Vinayak Bhardwaj	14114804920					
	Sunny Kumar	12714804920					
53	Stuti Kapoor	12514804920	application as low pass filter	Dr. Laxya	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO1	SDG04, SDG09
	Vrinda Gupta	14214804920					
	Himanshu Dutt	50114804920					
54	Aryan Arora	21214804920	using RASPBERRY PI	Mr. Ashok Goyal	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG04, SDG09
	Tushar Sreekumar	21114804920					
	Prateek Saini	50514804920					
55	Yash Jain	14314804920	Keylogger Detector using Python	Mr. Lalit Agarwal	PO1, PO2, PO3, PO4, PO5, PO8, PO9,	PSO1	SDG04, SDG09
	Vidhi Mago	51014804920					
	Vaibhav Jaiswal	13714804920					
56	Zamirul Haque	14414804920	RFID based smart Shopping cart	Ms. Shashibala	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG04, SDG09
	Krishna Prajapati	20714804920					
	Uday Singh Mawri	20914804920					
57	Shreya	12014804920	Web Pulse Meter	Mr. Govind Gupta	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,		SDG04, SDG09
	Anjali Gupta	20314804920					
	Rohan Singh	10714804920					
58	Shrutika Garg	36214804920	system	Prof.(Dr.)Rajveer	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG04, SDG09
	Aditya Gupta	20614804920					
	Jyoti Sharma	50914804920					
59	Vaishnavi Sharma	13914804920	which only operates on availability	Mr. Sheersh Garg	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG04, SDG09
	Aryan Agrawal	21314804920					
	Lakshya	20414804920					
60	Anish Sharma	21014804920	Monitoring and GPS Tracker	Ms. Monika Bhardwaj	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG3,SDG4, SDG9
	Santosh Kumar	50814804920					
	Vaibhav Dixit	20814804920					
61	Shiv kumar mishra	11914804920	Monitoring System	Dr. Neelam	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG3,SDG04, SDG09
	Sahil Adhikari	11014804920					
	Tanishq Jain	12914804920					
62	Shivam Gulati	35514804920	to Priority and Load	Mr. Ravi Sharma	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO2	SDG04, SDG09
	Tarun Kumar	50614804920					
	Ayush Choubey	35414804920					
	Chanchal Aggarwal	36614804920					
63	Sanmay Prakash	11314804920	Detection System using GSM	Dr. Chandrakesh	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10,	PSO2	SDG04, SDG09
	Sarthak Gupta	11614804920					
	Sanskar Singh Sisodia	11414804920					
64	Simran	12314804920	Transformer using Python	Ms. Ayushi Agarwal	PO1, PO2,	PSO2	SDG04,

	Saksham Goyal	11114804920			PO3, PO4, PO5, PO8		SDG09
65	Sarvesh Sharma	11714804920	Machine Prototype	Dr. Neelu Nagpal	PO1, PO2,	PSO2	SDG04, SDG09
	Saurabh Sharma	11814804920			PO3, PO4, PO5, PO8,		
	Bhawna Bisht	50714804920			PO9, PO10,		