



G.L.BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROJECT GROUPS AND GUIDES (Batch: 2020-2024)

GROUP	ROLL NO	STUDENT NAME	TITLE OF PROJECT	PROJECT GUIDE	TYPE	RELEVANCE	MAPPING WITH POs & PSOs
G1	2001920310130	SAHIL VERMA	DEVELOPMENT OF 2-BIT ALU FOR PROCESS SIMULATION	Dr. Satyendra Sharma	Application	System Design	PO1, PO3, PO4, PO5, PO6, PO8, PO10, PO12, PSO1
	2001920310126	ROHAN KAMAT					
	2001920310122	RISHABH SINGH					
	2001920310121	RISHABH KHUGSHAL					
G2	2001920310047	AVNISH SINGH CHAUHAN	FUNCTION GENERATOR WITH AMPLIFIER	Dr. Satyendra Sharma	Research	Problem Analysis	PO1, PO2, PO4, PO5, PO8, PO12, PSO2
	2001920310023	ADITYA SHARMA					
	2001920310046	ASHU GOSWAMI					
	2001920310014	ABHIT LUGUN					
G3	2101920319007	SUBODH KUMAR	IMAGE AND TEXT TRANSMISSION USING LI-FI	Dr. Satyendra Sharma	Research	Problem Analysis	PO1, PO2, PO4, PO5, PO8, PO12, PSO2
	2001920310142	SHIVAM SINGH					
	2001920310141	SHIVAM KUMAR					
	2001920310063	GAURI SHANKAR JHA					
G4	2101920319001	ASHISH KUMAR	SILENCE SENSOR	Dr. Dinesh Kumar Singh	Research	Problem Analysis	PO1, PO2, PO4, PO5, PO8, PO12, PSO2
	2101920319006	SHOBHAM SAINI					
	2101920319008	VISHWJEET SAROJ					
	2001920310139	SHISHIR YADAV					
G5	2001920310016	ADITYA	MINIMIZING ELECTRICITY THEFT USING IoT	Dr. Shilpa Chaudhary	Application	Society	PO1, PO3, PO5, PO6, PO8, PO12, PSO1
	2001920310006	ASHISH					
	2001920310041	ANURAG					
	2001920310002	AAKARSH					
G6	2001920310012	ABHISHEK SHARMA	IMPROVING FREQUENCY STABILITY OF RF OSCILLATOR	Dr. Shilpa Chaudhary	Application	Cost	PO1, PO2, PO4, PO5, PO8, PO12, PSO1
	2001920310015	AADESH MISHRA					
	2001920310001	AADESH KUMAR					
	2001920310085	KUSH DIXIT					
G7	2001920310109	PRASHANT SRIVASTAVA	DESIGN AND DEVELOPMENT OF SUN TRACKING SOLAR PANNEL WITH IMPLEMENTATION IN IRRIGATION SYSTEMS USING IOT	Dr. Shivesh Tripathi	Review	Safety/Society	PO1, PO5, PO6, PO8, PO12, PSO1
	2001920310115	RACHIT JAIN					
	2001920310119	RAJNISH KUMAR CHAUBEY					
	2001920310104	PRANJAL GUPTA					
G8	2001920310033	AMISHA RAJ	IOT BASED AUTOMATED HEALTH MONITERING SYSTEM USING AURDINO AND GSM	Dr. Shivesh Tripathi	Application	Society	PO1, PO3, PO6, PO8, PO9, PO10, PO12, PSO1
	2001920310036	ANAMIKA SINGH					
	2001920310044	AVYAN MEHTA					
G9	2001920310113	PRIYANSHU KUMAR SINGH	CONTROL PROCESSING UNIT USING DIGITAL ELECTRONICS HEALTH MONITORING SYSTEM	Dr. Shivesh Tripathi	Review	Society	PO1, PO5, PO6, PO8, PO12, PSO1
	2001920310123	RISHI YADAV					
	2001920310117	RAHUL YADAV					
G10	2001920310054	BHUVNESH SHARMA	DESIGN AND CHARACTERIZATION OF MICROSTRIP PATCH ANTENNA FOR 5G APPLICATION	Dr. Shivesh Tripathi	Review	Society	PO1, PO5, PO6, PO8, PO12, PSO1
	2001920310039	ANUJ KUMAR SHARMA					
	2001920310034	AMIT KUMAR					
	2001920310056	DEVENDRA MANI TRIPATHI					
G11	2001920310058	DHANANJAY GUPTA	DESIGN AND DEVELOPMENT OF VIRTUAL FENCING INTRUSION DETECTION (VFID)	Dr. Krishanu Kundu	Research	Problem Analysis	PO1, PO3, PO4, PO5, PO8, PO12, PSO2
	2001920310052	AYUSHMAAN SRIVASTAVA					
	2001920310074	HIMANSHU MISHRA					
	2001920310071	HARSHITA SHINGH					
	2001920310185	VISHAL KUMAR					

G12	2001920310187	YASH KUMAR	OPTICAL BASED REAL TIME VEHICLE TO VEHICLE COMMUNICATION FOR SELF-DRIVING VEHICLES	Dr. Krishanu Kundu	Review	Problem Analysis	PO1,PO3,PO4,PO5, PO8, PO12, PSO2
	2101920319005	SHOBHIT RAUTELA					
	2001920310183	VINAYAK PANDEY					
G13	2001920310114	PRIYANSHU PANDEY	SIMULATING LAN WITH CISCO PACKET TRACES - A COMPREHENSIVE IP PACKET SWITCHING NETWORK DEMOSTARATION	Dr. Krishanu Kundu	Review	Problem Analysis	PO1,PO3,PO4,PO5, PO8, PO12, PSO2
	2001920310135	SAUMYA CHAURASIA					
G14	2001920310089	MANSI TYAGI	LI-FI BASED UNDERWATER COMMUNICATION SYSTEM	Dr. Krishanu Kundu	Research	System Design	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310112	PRIYANSHIKA SRIVASTAVA					
	2001920310144	SHIVANI					
	2001920310075	JAHNAVI SONI					
G15	2001920310101	OJAS SINGH	RFID AND FACE RECOGNITION BASED SMART ATTENDANCE SYSTEM USING IoT	Dr. Purnendu Shekhar Pandey	Review	Ethics	PO1, PO2, PO3,PO5, PO8, PO12, PSO2
	2001920310106	PRASHANT PAL					
	2001920310131	SAMARTH VERMA					
G16	2001920310128	SACHIN DHAKAREY	DESIGN AND DEVELOPMENT OF AUTOMATIC ACCIDENT PRONE VEHICLE	Dr. Purnendu Shekhar Pandey	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310057	DHAIRYA KUMAR SINGH					
	2001920310127	ROHIT KUMAR					
	2001920310009	ABHISHEK JAISWAL					
G17	2001920310022	ADITYA SHARMA	DETECTION OF VEHICLE THEFT BY GSM AND GPS	Dr. Richa Tiwari	Research	Problem Analysis	PO1,PO3,PO4,PO5, PO8, PO12, PSO2
	2001920310093	MILI KARMOKAR					
	2001920310017	ADITYA BHUSAN					
	2001920310025	ADITYA SINGH					
G18	2001920310108	PRASHANT SAGAR	LORA WAN BASED PATIENT HEALTHCARE MONITORING	Dr. Richa Tiwari	Review	Ethics	PO1,PO3,PO4,PO5,PO8, PO12, PSO1
	2001920310099	NIMISH MISHRA					
	2001920310129	SACHIN SINGH					
	2001920310078	KARTIK VERMA					
G19	2001920310156	SIDDHARTHA MALIK	SMART HOME ENERGY MANAGEMENT SYSTEM USING IOT	Dr. Richa Tiwari	Review	Cost	PO1,PO3,PO4,PO5,PO8, PO12, PSO1
	2001920310102	PANKAJ RAWAT					
	2001920310110	PRERNA BHARDWAJ					
G20	2001920310003	AKASH RAJ	AUTOMATED OTP-BASED RATION DISTRIBUTION WITH RFID AND GSM	Dr. Richa Tiwari	Application	Cost/Safety	PO1,PO2,PO4,PO5,PO8, PO12, PSO1
	2001920310004	AARNAV SNGH					
	2001920310035	AMIT SINGH CHAUHAN					
	2001920310098	NAITIK GIRI					
G21	2001920310149	SHRIJA KUKSAL	DESIGN AND PERFORMANCE ANALYSIS OF NOVEL HIGH EFFICIENT FREE PEROVSKITE TRMDUM SOLAR CELL	Mr. Dharmender Nishad	Application	Society	PO1,PO3,PO5,PO6, PO8, PO9, PO12, PSO1
	2001920310168	TUSHAR PARASHAR					
G22	2001920310011	ABHISHEK PATEL	SMART HELMET BASED ON IoT FOR SAFETY AND ACCIDENT DETECTION	Dr. Mohan Singh	Application	Environmental	PO1, PO2, PO4, PO5, PO6, PO8, PO12, PSO1
	2001920310045	ASHISH KUMAR PANDEY					
G23	2001920310146	SHREYANSH SRIVASTAVA	SOLDIER HEALTH POSTION MONOTORING SYSTEM	Dr. Mohan Singh	Research	Problem Analysis	PO1,PO3,PO4,PO5, PO8, PO12, PSO2
	2001920310181	VIKRAM SINGH					
	2001920310152	SHUBHAM SHARMA					
	2001920310155	SIDHARTH OJHA					
G24	2001920310125	RIYA SINGH	WEATHER IMAGING CUBESAT WITH TELEMETRY TRANSMISSION	Mr. Amiya Prakash	Application	System Design	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310124	RISHITA GUPTA					
	2001920310118	RAJEEV PRATAP SINGH					
	2001920310067	HARSH KUMAR JAIN					
G25	2001920310077	JAY BHATI	DESIGN AND IMPLEMENTATION OF SMART OPENING APPLIANCE USING EMBEDDED SYSTEM	Mr. Amiya Prakash	Research	System Design	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310072	HIMANSHU GAUR					
	2001920310073	HIMANSHU GUSAIN					
	2001920310062	GAGAN VARSHNEY					

G26	2001920310103	PRAKHAR SHARMA	AURDINO BASED FIRE FIGHTING ROBOT	Mr. Amiya Prakash	Application	Cost	PO1,PO2,PO4,PO5,PO8, PO12, PSO1
	2001920310111	PRINCE VARSHNEY					
	2001920310100	NISHI RAI					
G27	2001920310160	SUHANİ SRIVASTAVA	DESIGN AND IMPLEMENTATION OF BIOMETRIC SYSTEM FOR START AUTOMOBILE VEHICLE USING RASPBERRY PI	Mr. Amiya Prakash	Review	Problem Analysis	PO1,PO3,PO4,PO5,PO8, PO12, PSO1
	2001920310174	VAISHALI RIYA					
	2001920310136	SOUMYA SRIVASTAVA					
	2001920310157	SOUMYA KUMARI					
G28	2001920310153	SHUBHAM SINGH	SPEAKING SYSTEM FOR MUTE PEOPLE USING HAND GESTURES	Dr. Rahul Dev	Application	Society	PO1,PO2,PO4, PO5, PO6, PO8, PO12, PSO1
	2001920310172	UTKARSH PRAKASH SINGH					
	2001920310186	VISHAL SHARMA					
	2001920310188	YASH SAGAR					
G29	2001920310066	HARENDRA	DRIVER DROWSINESS DETECTION WITH ALARM SYSTEM	Dr. Rahul Dev	Research	Ethics	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO2
	2001920310060	DIVYANSHU SOLANKI					
	2001920310083	KRISHNA KUMAR SINGH					
	2001920310091	MAYANK KUMAR					
G30	2001920310165	TARANG AGARWAL	TRANSFORMER HEALTH MONITORING DISPLAYING PARAMETER	Dr. Rahul Dev	Application	Cost	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310164	TANNU UPADHYAY					
	2101920319004	OM PARICHHA					
	2001920310138	SHAMS ALAM					
G31	2001920310010	ABHISHEK PANDEY	CLOUD ENABLED WHETHER FORCASTING FOR SUSTAINABLE PERCISION AGRICULTURE	Dr. Vivek Kumar Gupta	Review	Safety	PO1,PO2,PO4,PO5, PO8, ,PO6, PO12, PSO1
	2001920310065	HARE KRISHNA TRIPATHI					
	2001920310169	UDAY RAJ SINGH					
	2001920310158	SOURAV VIKRAM SINGH					
G32	2001920310031	AMAN KUMAR SINGH	AGRICULTURE MONOTORING SYSTEM USING IOT	Dr. Vivek Kumar Gupta	Review	Safety	PO1,PO2,PO4,PO5, PO8, ,PO6, PO12, PSO1
	2001920310024	ADITYA SHEKHAR					
	2001920310040	ANUJ YADAV					
	2001920310037	ANISH TIWARI					
G33	2001920310154	SHUBHESH DUBEY	IOT ENABLED AUTONOMOUS FIRE FIGHTING ROBOT	Dr. Vivek Kumar Gupta	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310148	SHRI KRISHNA SHARMA					
	2001920310008	ABHINAV ANAND					
	2001920310048	AYUSH BARANWAL					
G34	2001920310064	GHIZAL HAIDER	SOLOR INVERTOR WITH VOLTAGE MEASURMENT	Dr. Vivek Kumar Gupta	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310032	AMIR QURESHI					
G35	2001920310080	KHUSBOO CHAUHAN	REAL-TIME POSITION AND VERTUAL MONITORING USING IOT	Dr. Dipti Ranjan Pattanayak	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310079	KARTIKAY JINDAL					
	2001920310051	AYUSHMAAN KUMAR					
G36	2001920310180	VIKASH SHARMA	DATA TRANSMISSION USING LIGHT FIDELITY(Li-Fi)	Dr. Dipti Ranjan Pattanayak	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310007	ABHIJEET SINGH					
	2001920310145	SHRASTI GUPTA					
G37	2001920310050	AYUSH GAUTAM	SMART WASTE MANAGEMENT SYSTEM USING IOT	Dr. Vinay Kumar	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310178	VIDHI SRIVASTAVA					
G38	2001920310163	SWAPNIL SONI	AN ENERGY EFFICIENT HETEROGENEOUS RING CLUSTERING ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORK	Mr. Rishabh Yadav	Review	Safety	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310166	TARIT JOHARI					
	2001920310167	TARUN VASHISHTHA					
G39	2001920310038	ANUBHAV SRIVASTAVA	LEAF DISEASE DETECTION USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. Rishabh Yadav	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	1901920310017	AMIR MUSTAFA KHAN					
	2001920310055	BRJESH KUMAR					
G40	2001920310027	AKSHAT VERMA	FRAMEWORK FOR SUSTAINABLE ENVIRONMENTAL MONITORING BASED ON WSN USING SOLAR CELL.	Mr. Rishabh Yadav	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310019	ADITYA PANDEY					

	2001920310092	MEDHA RAI	MONITORING DISEASE ON FERTILISERS USING SENSORS				
G41	2001920310191	YURAJ SINGH	DEESING AND DEVELOPMENT OF FOREST FIRE AND ANIMAL DETECTION USING LORA TECHNOLOFGY	Mr. Rishabh Yadav	Application	Environmental	PO1, PO2, PO4, PO6, PO7, PO8, PO12, PSO1
	2001920310171	UTKARSH PATHAK					
	2001920310159	SREESH TIWARI					
	2101920319003	MANALI KATIYAR					
G42	2001920310076	JATIN THAWANI	ELECTONIC DEVICES AND CIRCUITS (SMART SHOPPING TROLLEY THAT FOLLOWS CUSTOMER)	Ms. Shaina Suresh	Review	Safety	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310070	HARSHIT SHRIVASTAVA					
	2001920310094	MOHAMMAD ARSALAN					
	2001920310029	AMAN KUMAR PANDEY					
G43	2001920310030	AMAN KUMAR RAI	DESIGN AND ANALYSIS OF RF POWER AMPLIFIER FOR A 5G COMMUNICATION USING 18 nm FINFET TECHNOLOGY	Ms. Shaina Suresh	Research	Ethics	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO2
	2001920310028	ALOK SINGH					
	2001920310043	ARPIT GOSWAMI					
	2001920310088	MANIK BHARTIYA					
G44	2001920310150	SHRUTI DWIVEDI	LOW POWER HIGH PERFORMANCE AMPLIFIER FOR BIOMEDICAL APPLICATIONS [VLSI]	Ms. Shaina Suresh	Research	Ethics	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO2
	2001920310087	MANIKANT MISHRA					
	2001920310189	YASH SAXENA					
G45	2001920310162	SUPRIYA	ATM USING MICROCONTROLLER WITH FINGER PRINT SENSOR	Ms. Deeksha Sankrit	Review	Safety	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310176	VAISHNAVI SHUKLA					
	2001920310175	VAISHNAVI MISHRA					
G46	2001920310190	YUKTA EDIKAR	IMPROVING THE QUALITY OF ECG SIGNAL USING FULLY CONVOLUTIONAL DENOISING AUTOENCODERS : A NOISE REDUCTION	Ms. Deeksha Sankrit	Review	Safety	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310170	UTKARSH GUPTA					
	2001920310151	SHUBHAM KUMAR					
G47	2001920310182	VIMAL KUMAR	SOLOR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM	Ms. Deeksha Sankrit	Research	Ethics	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO2
	2001920310179	VIKAS BHATI					
	2001920310173	VAIBHAV BALIYAN					
	2001920310161	SUMIT GUPTA					
G48	2001920310184	VIPUL RAI	AUGMENTED REALITY GLASSES USING RASBERRY PI ZERO 2 W	Dr. Deepti Sharma	Review	Safety	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310177	VASU YADAV					
	2001920310105	PRASHANT KUMAR					
G49	2001920310132	SANDEEP KUMAR	SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM (NON STOP)	Dr. Deepti Sharma	Research	Ethics	PO1, PO2, PO3,PO4,PO5, PO6, PO8, PO12, PSO2
	2001920310137	SAURABH SINGH					
	2001920310133	SATYAM KUMAR					
	2001920310020	ADITYA PRATAP SINGH					
G50	2001920310021	ADITYA RATHOUR	AGRITECH GUAEDIAN EMPOWERING FARMERS WITH SOLAR IOT FOR EFFICIENT IRRIGATION SYSTEM, CROP PROTECTION AND FIRE DETECTION	Dr. Deepti Sharma	Review	Safety	PO1,PO2,PO4,PO5, PO6, PO8, PO12, PSO1
	2001920310053	BHARGAV GARG					

Dr. Shivesh Tripathi
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