ABES Engineering College, Ghaziabad

DEPARTMENT OF ELECTRONICS AND COMMUNICATIOIN ENGINEERING

SEC-A, Final Year Project List Odd/Even Sem **2024-25**

Poject Incharge: Dr. Ritu Agarwal, Mr. Manish

SN	Adm. No.	Univ. Roll. No.	Name of Students	Group		Guide	Project Title
1	2022B0313007	2200320319001	ANAS ALI	LE	A1	Ms. Upasana Sharma	LabVIEW and DAQ based data monitoring in realtime PV solar cell
2	2022B0313006	2200320319002	AYZAD KHAN	LE	A1		
3	2022B0313008	2200320319003	DEVANG KUMAR SINGH	LE	A1		
4	2021B0311004	2100320310061	ISHITA BHATNAGAR	R	A2	Mr. Kamal Bhatiya	Design and implementation of higher order FIR filter.
5	2021B0311063	2100320310063	JHANVI ANAND	R	A2		
6	2021B0311052	2100320310066	KHUSHI MISHRA	R	A2		
7	2021B0311010	2100320310020	ANUSHA AGRAWAL	R	A3	Dr. Raman Kapoor	Design & implementation of VGA Control using FPGA
8	2021B0311033	2100320310036	CHAHAK	R	A3		
9	2021B0311064	2100320310046	DIVYANSH AGARWAL	R	A3		
10	2021B0311006	2100320310057	HIMANSHU PRASAD SINGH	R	A4	Dr. Shivam Singh	Surface plasma resonance based optical biosensors for refractometric sensing
11	2021B0311150	2100320310059	INDRANIL SUBIR MUKHERJEE	R	A4		
12	2021B0311061	2100320310062	JAI SINGH	R	A4		
13	2021B0311041	2100320310049	GAURANG	R	A5	Dr. Manidipa Roy	Design and implementation of 32 Bit using Verilog HDL
14	2021B0311046	2100320310055	HARSHIT JAISWAL	R	A5		
15	2021B0311008	2100320310064	KAVYA KUMAR TAYAL	R	A5		
16	2021B0311044	2100320310005	ADITYA ASTHANA	R	A6	Ms. Ranjeeta Yadav	Greetech biogas generation & monitoring system
17	2021B0311071	2100320310031	AYUSH KUMAR RAI	R	A6		
18	2021B0311122	2100320310044	DIVYA GUPTA	R	A6		
19	2021B0311082	2100320310002	ABHISHEK SHARMA	R	A7	Mr. Deepak Garg	Design of vending machine using verilog HDL
20	2021B0311131	2100320310004	ADARSH SINGH	R	A7		
21	2021B0311127	2100320310023	ARJUN SINGH	R	A7		
22	2021B0311136	2100320310047	DIVYANSH KUMAR UPADHYAY	R	A8	Dr. Shailendra Bisariya	Design & Verification of FIFO synchronizer for efficient clock domain crossing using Veilog HDL
23	2021B0311036	2100320310058	INDR SHARMA	R	A8		
24	2021B0311113	2100320310065	KESHAV SHARMA	R	A8		
25	2021B0311105	2100320310025	ARPIT VASHISHTHA	R	A9	Dr. Ajay Suri	Color Sorting conveyor belt using Arduino
26	2021B0311085	2100320310041	DHAIRYA VASHISHTHA	R	A9		
27	2021B0311002	2100320310043	DHEERAJ KUMAR SHARMA	R	A9		
28	2021B0311100	2100320310015	ANNUSHKAA SHUKLA	R	A10	Ms. Kavita Chaudhary	Voting Machine using verilog
29	2021B0311014	2100320310045	DIVYANK CHAUHAN	R	A10		
30	2021B0311077	2100320310060	ISHAN JINDAL	R	A10		
31	2021B0311051	2100320310011	AKSHAT AGRAWAL	R	A11	Dr. Manish Zadoo	Smart shoping chart with automatic billing system using RFID
32	2021B0311092	2100320310038	DEEPANSHI TRIPATHI	R	A11		
33	2021B0311094	2100320310039	DEEPANSHI UPADHYAY	R	A11		

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34	2021B0311065	2100320310021	ANUSHKA VERMA	R	A12	Dr. Manish Zadoo	Low power non-volatile SRAM design using memristor hybrid architecture
35	2021B0311055	2100320310030	ASTHA CHANDEL	R	A12		
36	2021B0311148	2100320310008	AISHWARYA SONI	R	A13	Mr. Hitesh Tomar	Design of high speed ADC
37	2021B0311107	2100320310009	AKANSHA BHARDWAJ	R	A13		
38	2021B0311098	2100320310010	AKASH SINGH	R	A13		
39	2021B0311090	2100320310050	GUFRAN ALI	R	A14	Ms Upasana Sharma	Design the layout of DRAM 3T using Cadence Virtuoso.
40	2022B0313011	2200320319008	RITIK	LE	A14		
41	2021B0311059	2100320310048	DRIPENDRA PRATAP GAUTAM	R	A14		
42	2021B0311005	2100320310006	ADITYA KAUSHIK	R	A15	Ms. Rakhi Kumari	Smart soil irrigation system using microcontroller AT89C51DR2
43	2021B0311031	2100320310017	ANUBHAV NATH PANDEY	R	A15		
44	2021B0311017	2100320310018	ANUJ RAGHAV	R	A15		
45	2021B0311035	2100320310001	AAYUSH GOYAL	R	A16	Ms. Rakhi Kumari	Smart wheel chair
46	2021B0311138	2100320310014	ANKIT PANDEY	R	A16		
47	2021B0311080	2100320310024	ARNAV MEHTA	R	A16		
48	2021B0311073	2100320310013	ANIKET GIRI	R	A17	Dr. Ritu Aggarwal	Bluetooth and voice controlled robotic car with obstacle avoidance using arduino
49	2021B0311130	2100320310028	ASHISH RAI	R	A17		
50	2021B0311114	2100320310029	ASIF JAMAL	R	A17		
51	2021B0311066	2100320310056	HARSHITA SISODIA	R	A18	Ms. Geetanjali Raj	Weather monitoring system using LORA
52	2021B0311022	2100320310067	KHUSHI SHARMA	R	A18		
53	2021B0311043	2100320310069	KRISHNA MITTAL	R	A18		
54	2021B0311099	2100320310032	AYUSH KUMAR SHUKLA	R	A19	Mr Hitesh Tomar	Smart water monitoring system
55	2021B0311118	2100320310052	HARSH JADOUN	R	A19		
56	2021BO311092	2100320310035	BHAVYA PRATAP SINGH	R	A20	Dr. Navneet Sharma	Design and development of flexible MIMO antenna for 5G application
57	2021B0311102	2100320310068	KM SHOBHA	R	A20		
58	2021B0311115	2100320310007	ADITYA PANDEY	R	A21	Dr. Ajay Suri	Orbitracker: Ball chasing robot car
59	2021B0311025	2100320310022	ARCHIT SHARMA	R	A21		
60	2021B0311015	2100320310033	BADAL SINGH	R	A21		
61	2021B0311103	2100320310026	ARYAN GARG	R	A22	Ms. Shilpa Srivastava	Communication using Li-Fi technology
62	2021B0311123	2100320310027	ARYAN UPADHYAY	R	A22		
63	2021B0311042	2100320310016	ANSHUMAAN SINGH	R	A23	Ms. Shilpa Srivastava	Partical accelerator as coil gun
64	2021B0311001	2100320310053	HARSH KAUSHIK	R	A23		
65	2021B0311057	2100320310040	DEVANSH MISHRA	R	A23		
66	2021B0311032	2100320310073	MANISHA CHAUDHARY	R	B1		IoT based health monotoring

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Poject Incharge: Dr. Ritu Agarwal, Mr. Manish

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67	2021B0311084	2100320310084	NITESH AGRAWAL	R	B1	Dr. Raman Kapoor	IoT based health monotoring system using FPGA
68	2021B0311056	2100320310090	PRAGATI	R	B1		
69	2021B0311093	2100320310123	SHUBH GOEL	R	B2	Dr.Shivam Singh	Design of photonic crystal fiber based plasmonic biosensors
70	2021B0311149	2100320310124	SHUDDHATM GAUR	R	B2		
71	2022B0313001	2200320319006	MONAL SHARMA	LE	B2		
72	2021B0311110	2100320310139	YASHARTH RAI	R	B3	Mr. Kamal Bhatiya	Security for voting machine controller using FPGA
73	2022B0313002	2200320319009	SHELLY	LE	B3		
74	2022B0313005	2200320319011	YASH SAINI	LE	B3		
75	2021B0311060	2100320310118	SHIVAM GUPTA	R	B4	Ms. Pooja Pathak	Smart Vacumm Cleaner ROBOT
76	2021B0311030	2100320310135	VANSHITA	R	B4		
77	2021B0311038	2100320310136	VIPUL NISHAD	R	B4		
78	2022B0313012	2200320319004	ISHAAN	LE	B5	Ms. Anupam Singh	Footstep based mobile charging system
79	2022B0313004	2200320319012	YASH SHARMA	LE	B5		
80	2021B0311020	2100320310111	SAKSHAM SRIVASTAVA	R	B6	Ms. Anupam Singh	Arduino based Landslide Detection System
81	2021B0311135	2100320310114	SAURABH PANDEY	R	B6		
82	2022B0313010	2200320319007	MOUSAM SINGH CHAUHAN	LE	B6		
83	2021B0311132	2100320310070	KUNAL GUPTA	R	B7	Ms. Ranjeeta Yadav	WIRELESS IOT METERING SOLUTION WITH ESP32
84	2021B0311049	2100320310074	MAYANK SONI	R	B7		
85	2021B0311147	2100320310081	NIKHIL MANDOLI	R	B7		
86	2021B0311013	2100320310095	PUSHKAR JAIN	R	B8	Ms Pooja Pathak	IOT controlled musical Instrument
87	2021B0311079	2100320310107	RUDRANSH PATHAK	R	B8		
88	2021B0311078	2100320310132	UDBHAV SHARMA	R	B8		
89	2021B0311058	2100320310100	RIA SINGH	R	B9	Ms. Unnati Mehta	UART COMMUNICATION SYSTEM
90	2021B0311026	2100320310105	ROHAN CHAUHAN	R	B9		
91	2021B0311108	2100320310130	TANU RAI	R	B9		
92	2021B0311047	2100320310071	MAAHI TYAGI	R	B10	Ms. Unnati Mehta	Secured charging of EV at unattended stations using VERILOG
93	2021B0311040	2100320310076	NANDINI BHARDWAJ	R	B10		
94	2021B0311089	2100320310079	NIDHI KAUSHIK	R	B10		
95	2021B0311050	2100320310133	UTKARSH GOEL	R	B11	Dr. Navneet Sharma	Microstrip patch antenna for

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96	2020B0311136	2000320310099	MANAS BHADAURIA	RE	B11	Dr. Navneet Sharma	IoT application
97	2021B0311120	2100320310078	NEERAJ KUMAR	R	B12	Mr. ARPITA JOHRI	FAULT DIAGNOSIS AND SMALL WIND TURBINE USING ARDUINO
98	2021B0311124	2100320310086	NITISH CHATURVEDI	R	B12		
99	2021B0311069	2100320310091	PRASHANT Kr MISHRA	R	B12		
100	2021B0311083	2100320310109	SAHEJ CHHABRA	R	B13	Mr.Mudit Saxena	Facial recognition door lock
101	2021B0311034	2100320310110	SAHIL SHARMA	R	B13		
102	2021B0311121	2100320310115	SAWAN BISHT	R	B13		
103	2021B0311053	2100320310108	RUPALI RASTOGI	R	B14	Mr. Shahbaz Alam	RISC-V PROCESSOR DESIGN AND IMPLEMENTATION USING VERILOG
104	2021B0311128	2100320310116	SELISH SACHAN	R	B14		
105	2021B0311003	2100320310134	VAISHNAVI ASTHANA	R	B14		
106	2021B0311112	2100320310125	SNEHA GUPTA	R	B15	Dr. Rajnesh Kr. Singh	AIS140 NAVIC BASED VEHICLE TRACKING SYSTEM WITH 4G GPRS
107	2021B0311144	2100320310126	SNEHA PODDAR	R	B15		
108	2021B0311039	2100320310082	NILAJ MAJUMDER	R	B16	Mr. Manish	object detection and path tracking using mean shift techniques
109	2021B0311145	2100320310087	PALAK PRIYANSHI	R	B16		
110	2021B0311134	2100320310098	RATAN SAXENA	R	B17	Dr. Arti Sharma	Role of smart farming through IOT and Cyber Physical System
111	2021B0311072	2100320310106	ROUNAK KUMAR SINGH	R	B17		
112	2021B0311074	2100320310131	TUSHAR RAGHAV	R	B17		
113	2021B0311068	2100320310094	PRIYANSHU TYAGI	R	B18	Ms. Geetanjali Raj	IOT based waterproof system for water quality and level monitoring
114	2021B0311028	2100320310096	RADHIKA GOYAL (NOC)	R	B18		
115	2021B0311062	2100320310099	RAUNAK SAXENA	R	B18		
116	2021B0311021	2100320310092	PRATIBHA JHA	R	B19	Dr. Ritu Agarwal	Solar wireless electrical vehicle charging system
117	2021B0311117	2100320310102	RITIKA YADAV	R	B19		
118	2021B0311023	2100320310128	SUYASH JOSHI	R	B19		
119	2021B0311106	2100320310103	RITU RAJ	R	B20	Dr. Rajnesh Kr. Singh	Smart air curtain system
120	2021B0311142	2100320310121	SHREYA SINGH	R	B20		
121	2021B0311109	2100320310104	RIZWAN KHAN	R	B21	Dr. Manidipa Roy	Car parking SYSTEM using FPGA board
122	2021B0311140	2100320310112	SANEEBA KHAN	R	B21		
123	2021B0311070	2100320310122	SHRUTI MISHRA	R	B21		
124	2021B0311126	2100320310097	RAJNEESH KUMAR	R	B22	Ms. Sonam Tyagi	Ultraminiaturised SPIRAL antenna for BIOMEDICAL

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125	2021B0311096	2100320310120	SHIVYANA JOSHI	R	B22	Ms. Sonam Tyagi	antenna for BIOMEDICAL DEVICES
126	2021B0311081	2100320310080	NIKHIL GAUTAM	R	B23	Dr. Arti Sharma	Stress and Health management system using IOT
127	2021B0311024	2100320310088	PIYUSH	R	B23		
128	2021B0311137	2100320310089	PRABHAV JAIN	R	B23		
129	2021B0311054	2100320310129	Swati SHARMA	R	B24	Dr.Shivani Sharma	IOT based Home Automation System
130	2021B0311018	2100320310101	RITIK YADAV	R	B24		
131	2021B0311146	2100320310117	SHIKHA	R	B24		
132	2021B0311125	2100320310119	SHIVANSHU YADAV	R	B25	Ms. Aakriti Chhabra	Air Canvas application using Python
133	2021B0311027	2100320310093	Priya SHARMA	R	B25		
134	2021B0311111	2100320310138	YASH GAUR	R	B25		