



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT, DISTT. SOLAN (H.P.) - 173234
Department of Electronics and Communication Engineering

B. Tech. (Final Year) MAJOR PROJECT TITLES 2019-20

Sl.	Roll No.	Name	Group Code	Supervisor	Title of the Project
1	161046	Narendra Jangid	ALK-1	Dr. Alok Kumar	Effects of PUEA on Cognitive Radio Networks
2	161118	Prashant Kumar			
3	161023	Parthsarthi Bassi			
4	161834	Bhashit Aggarwal	ALK-2	Dr. Alok Kumar	Security Analysis in Cognitive Radio
5	161116	Kanwar Singh Riat			
6	161005	Samson Shukla	ALK-3	Dr. Alok Kumar	Voice Focus
7	161030	Himanshu Walia	EMP-1	Dr. Emjee Puthooran	Smart water quality monitoring system using IoT
8	161028	Yash Porwal			
9	161003	Akshay Som	EMP-2	Dr. Emjee Puthooran	Non-invasive blood glucose monitoring system using IoT
10	161006	Sumit Thakur			
11	161015	Siddharth Singh	EMP-3	Dr. Emjee Puthooran	Automatic safe drive assistance
12	161063	Alok Shekhar Bhardwaj			
13	161059	Rahul Singh			
14	161098	Yatharth Gautam	HSL-1	Dr. Harsh Sohal	FPGA based signal generation and acquisition
15	161092	Ashish Kumar Verma	HSL-2	Dr. Harsh Sohal	ECG data acquisition & wireless transmission
16	161021	Himanshi Singh			
17	161014	Anushka Sharma			
18	161073	Surbhi Garg	MSD-1	Mr. Munish Sood	Mind controlled drone
19	161679	Prachi Bekta			
20	161648	Uday Sood			
21	161041	Manthan Thakur	MSD-2	Mr. Munish Sood	Pulse signal processing for analysis of cardiovascular diseases
22	161106	Sahil Rana			
23	161107	Shubham Jamwal			
24	161060	Abhinav Sharma	NVN-1	Dr. Naveen Jaglan	Design and analysis of compact UWB antenna
25	161102	Archit Sugha			
26	161011	Sarthak Kaushik	NVN-2	Dr. Naveen Jaglan	Multiplexing based displaying of data in a 3D matrix of LEDs
27	161062	Abhishek Jha			
28	161056	Kriti Verma	NFK-1	Dr. Nafis uddin Khan	Detection of driver's drowsiness
29	161645	Pragati Srivastava			
30	161069	Mehak Beakta			
31	161035	Aditya Mohan	NFK-2	Dr. Nafis uddin Khan	Plant disease detection using clustering-based segmentation and neural network
32	161040	Arjun Sharma			
33	161097	Utkarsh Sharma			
34	161115	Sarthak Srivastava	PDG-1	Mr. Pardeep Garg	Driving assistant platform for self driving vehicles
35	161038	Shashwat	PDG-2	Mr. Pardeep Garg	Multiple organ failure detection using Machine Learning
36	161081	Utkarsh Gupta	NTJ-1	Dr. Nishant Jain	Vehicle accident automatic detection & informing system
37	161093	Aditya Tiwari			
38	161087	Shikhar Srivastava	NTJ-2	Dr. Nishant Jain	Intruder detection system using IoT
39	161104	Abhishek Koundal			
40	161078	Tarun Gupta			
41	161101	Divyansh Parmar	NTJ-3	Dr. Nishant Jain	Automatic number plate recognition system
42	161641	Aman Dhir	SRU-1	Lt. Pragya Gupta	Person-Following autonomous robotic car
43	161114	Nitin Rahi			
44	161113	Ayush Goel			
45	161042	Sonia Jain	RKU-1	Dr. Rajiv Kumar	Development of tools & technology for visually impaired
46	161032	Tanya Gupta			
47	161034	Nilesh Kishor	RKU-2	Dr. Rajiv Kumar	IoT based smart mirror
48	161099	Somya Chaturvedi			
49	161082	Shikhar Srivastava			
50	161090	Deepak Kumar	RKU-3	Dr. Rajiv Kumar	Epileptic patient care
51	161047	Suresh Arora			
52	161045	Shailu Srivastava	SHR-1	Dr. Shruti Jain	Design & simulation of optimum digital filters using windowing technique
53	161027	Garima Malhotra	SHR-2	Dr. Shruti Jain	Liver cancer detection and classification based on optimum feature fusion
54	161033	Kushagra Srivastava			
55	161117	Manthan Chauhan			

56	161683	Uday Sharma	SLD-1	Dr. Sunil Datt Sharma	Promoter recognition in human DNA sequence using Deep Learning
57	161080	Ayshika Kapoor			
58	161017	Kanika Choudhary			
59	161070	Rushmika Singh	SLD-2	Dr. Sunil Datt Sharma	Structural health monitoring using signal processing & deep learning
60	161009	Satyam Kumar	SWT-1	Dr. Shweta Pandit	Robotic vehicle metal detector
61	161025	Shivansh Gusain			
62	161075	Bhavya Chadha	SWT-2	Dr. Shweta Pandit	Wireless surveillance robot
63	161068	Inderpreet Singh	VBL-1	Dr. Vikas Baghel	Optical Character Recognition
64	161083	Apurva Padiyal			
65	161086	Devashish Dimri			
66	161110	Hardik Sharma	VBL-2	Dr. Vikas Baghel	Gesture control robotics arm

B. Tech. (3rd Year) MINOR PROJECT TITLES 2019-20

Sl.	Roll No.	Name	Group Code	Supervisor	Title of the Project
1	171033	Ritwik Sood	SLD-1	Dr. Sunil Datt Sharma	Intelligent alcohol system for car
2	161029	Akhilesh Sapehia			
3	171008	Sanket Saxena			
4	171019	Shivam Sinha	SHR-1	Dr. Shruti Jain	Computer Added Diagnostic System for Diabetic Retinopathy based on Fundus images using Deep Neural Network
5	171057	Bandana Pal	SHR-2	Dr. Shruti Jain	An Analysis of efficient Bio Medical Image Fusion based on Discrete Wavelet Transform
6	171060	Surya Mahajan			
7	171009	Kritik Verma	NVN-1	Dr. Naveen Jaglan	Design of bandstop filter using Frequency Selective Surface
8	171016	Keshav Vohra			
9	171042	Ramit Bawa	NVN-2	Dr. Naveen Jaglan	Smart security surveillance camera
10	171050	Ananya Sharma			
11	171001	Abhishek Bundel	EMP-1	Dr. Emjee Puthooran	Autonomous car
12	171039	Rajnikant Yadav			
13	171052	Shubham Singh	EMP-2	Dr. Emjee Puthooran	Implementation of vending machine algorithm using FPGA
14	171080	Nikunj Rastogi			
15	171002	Ayush Kumar Jaiswal	NSA-1	Dr. Neeru Sharma	IOT based street light Energy Saving system
16	171015	Soham Ahuja			
17	171038	Ananya Shukla	NSA-2	Dr. Neeru Sharma	Automaali: Autonomous plant monitoring system
18	171041	Sushant Singh			
19	171040	Piyush Kumar Singh	NSA-3	Dr. Neeru Sharma	Piezoelectric Power Generation
20	171076	Sudhanshu Mishra			
21	171004	Diwakshu Katoch	VKB-1	Dr. Vikas Baghel	IOT based smart city
22	171025	Kshitij Katoch			
23	171056	Prachi Pal	VKB-2	Dr. Vikas Baghel	Synthetic aperture RADAR imaging
24	171075	Aadhya Bajpai			
25	171005	Akhil Chauhan	NFK-1	Dr. Nafis uddin Khan	Smart irrigation monitoring system
26	171018	Rohit Behl			
27	171010	Sangharsh Singh	NFK-2	Dr. Nafis uddin Khan	Text recognition using morphological operation
28	171029	Sarthak Bisht			
29	171058	Ojasvi	NVN-3	Dr. Naveen Jaglan	Enhancement of life time of wireless sensor networks using clustering
30	171605	Amisha Kumari			
31	171070	Anupam Srivastava	SLD-2	Dr. Sunil Datt Sharma	Bone fracture detection
32	171073	Saumya Jajodia			
33	171012	Tushar Agarwal	HSL-1	Dr. Harsh Sohal	Auto Balancing machine
34	171079	Kartikey Bindal			
35	171006	Prerna Kanwar	PRG-1	Lt. Pragya Gupta	Object Detection For Visually Impaired
36	171049	Shachi Sharma			
37	171034	Tarun Arora	HSL-2	Dr. Harsh Sohal	Credit card fraud Detection
38	171035	Ishan Goyal			
39	171027	Sheetanshu Saurabh	NTJ-1	Dr. Nishant Jain	Zig Bee based home automation
40	171043	Saurav Anand			
41	171032	Shivansh Suhane	NTJ-2	Dr. Nishant Jain	Fall detection System for The Elderly
42	171047	Mehul Bandlish			
43	171014	Ujjwal Jain	ALK-1	Dr. Alok Kumar	Initial coin offering
44	171020	Sanyam			
45	171031	Shubham Kumar	ALK-2	Dr. Alok Kumar	Cooperative Spectrum Sensing based on two stage Detectors With multiple Energy Detectors and Adaptive Double Threshold in Cognitive radio Networks
46	171065	Shruti Singh			

47	171021	Archita Gupta	SWT-1	Dr. Shweta Pandit	Wireless power transmission
48	171051	Shruti Sharma			
49	171023	Abhishek Malik	SWT-2	Dr. Shweta Pandit	Light Fidelity and wireless communication
50	171046	Utkarsh Srivastava			
51	171026	Spardha Kapil	PDG-1	Mr. Pardeep Garg	IOT Based smart wristband
52	171053	Nikita Pandey	PDG-2	Mr. Pardeep Garg	Stock forecasting using Machine Learning model
53	171062	Vishal Srivastava			
54	171074	Akshat Gupta			
55	171030	Alok Pandey	RKU-1	Dr. Rajiv Kumar	SMS Spam Filtering Using Machine Learning
56	171048	Prashant Jaiswal			
57	171059	Anushka Dixit	RKU-2	Dr. Rajiv Kumar	Agriculture system for developing farmer using IOT and AI
58	171069	Anshul Deorane			
59	171037	Shaurya Rajput	SRU-1	Dr. Salman Raju	Creating sound effects using electrical circuits
60	171078	Nikhil Tanwar			
61	171007	Sahitya Bhalaik	SRU-2	Dr. Salman Raju	RF Filter
62	171013	Karan Malik			
63	171003	Mukul Bhatia	MSD-1	Mr. Munish Sood	Fire hazard system with smart unlocking
64	171028	Hitesh Thakur			
65	171024	Pankaj Singh Rathour	MSD-2	Mr. Munish Sood	IOT Smart Parking system
66	171036	Dhananjai Bhalaik			