

BHARATI VIDYAPEETH
(DEEMED TO BE UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE.
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.Tech Final Year Project List
Academic Year: 2020-21

Sr. No	Guide	PRN	Name of Student	Project Topic	
1	Dr. A.A. Shinde	1714110446	Muskan Thakur	Home automation using Raspberry pi and Python	
		1714110502	Rashi Trisholiya		
		1714110412	Aayushi Mohindru		
2		Dr. A.A. Shinde	1714110484	Shreshth Shukla	IOT Embed Smart Alarm Clock
			1714110402	Deepak Singh	
			1714110889	Anshu Jha	
3	Dr.S.P.Gaikwad		1714110485	Shreya Gupta	Designing the VFD and Embedded software for HV Transformer winding machine
			1714110466	Sakshi Agrawal	
			1714110495	Sonal Mandal	
4		Dr.S.P.Gaikwad	1714110427	Chanchal Kumari	Designing the VFD and Embedded software for HV Transformer winding machine
			1714110027	Smriti Gupta	
			1714110418	Aman Gupta	
5	Dr. N.T.Markad		1614110577	Harsh Dubey	Gender and age detection using deep learning techniques.
			1614110594	Umang Satija	
			1614110448	Ansh Manchanda	
6		Dr. N.T.Markad	1714110480	Shivang Sharma	Red light alert system for train.
			1714110453	Pratham Gupta	
			1714110479	Shivam Vyas	
7	Dr. M.V.Patil		1714110423	Anupriya Mandal	IoT based Automatic toll collection system
			1714110433	Divyansh Singh	
			1714110457	Rachel Shukla	
8		Dr. M.V.Patil	1714110496	Subhawna	AI based Healthcare Chatbot System
			1714110454	Priya Shree	
			1714110456	Puneet Singh	

9	Dr. Meena Chavan	1714110441	Amit Kumar	Face mask detection using Deep learning
		1714110434	Gaurav Kale	
		1714110437	Hitesh Saini	
10		1714110469	Yashodhara Samadhiya	Credit card fraud detection
		1714110461	Rishika Sushil	
		1714110411	Aayushi Gosain	
11	Mrs. S.P.Tondare	1714110429	Shambhavi Chaturvedi	Air pollution and Noise pollution detector
		1714110451	Ojasvitaa Verma	
		1714110491	Siddhi Nagar	
12	Mr.S.V.Dhole	1714110425	Ashish Jaiswal	“Solar tracker using Arduino”
		1714110422	Anuj Kumar	
		1714110421	Anshal Tripathi	
13		1714110445	Kabeer Azeem	RF ID based security System.
		1714110476	Shreya Saxena	
		1614110537	Kriti Dhanwaria	
14	Mrs.S.K.Pawar	1714110463	Riya Singh	Underground Cable Fault Detection using Arduino
		1714110464	S. Akshay Subramanian	
		1714110478	Shivam Bhardwaj	
15		1500000808	Ekansh Gupta	Dry Handwashing Machine using Fog Disinfection
		1500000646	Shainan Srivastava	
		1614110547	Jayant Kumar	
16	Mrs. P.R.Naregalkar	1714110468	Saloni Kothari	Automatic Attendance System using Face Recognition
		1714110481	Shivangi Dubey	
		1714110462	Ritu Gour	
17		1714110488	Shubham Jaiswal	Time Control machine using Arduino
		1714110450	Nimit	
		1714110439	Kevin Vijay	
18	Mr.V.P.Kaduskar	1714110487	Shubh Gupta	Fuzzy based DC motor control.
		1714110499	Sumit Jharbade	
		1714110888	Nishant Khandelwal	
19		1714110426	Ayush Patel	Car over speeding detection.
		1714110444	Ismail	
		1714110419	Ankit Anand	

20	Mr. S.R.Madkar	1714110501	Upasna Tripathi	Heart disease prediction
		1714110438	Jitendra Tripathi	
		1714110435	Sanchi Goel	
21		1614110568	Abhyudai Singh Thakur	IOT based Home automation
		1614110575	Himanshu Singh	
		1614110023	Kumar Hrithik	
22	Mrs.A.S. Nigade	1714110449	Nihar Das	RISC-V ISA based CPU
		1500000429	Sanket Ghosh	
		1500000937	Abhijeet Banerjee	
23	Mr. H.S. Hemane	1714110413	Abhinash Barman	Portable Automation System Design with Wireless Connectivity and Operation Control through Various Modules.
		1714110431	Devyu Mehrotra	
		1714110497	Suket Gera	
24		1614110584	Aditya Singh	Red light alert System for Train.
		1400000755	Mohith Tummala	
25	Mrs. J.S. Morbale	1714110448	Neha Sharma	Atmospheric water generator with the concept of Peltier effect.
		1714110458	Rachit Khandelwal	
		1714110489	Shubhani Kapoor	
26	Mr. P.A. Chougale	1714110506	Avijeet Singh	EVM based finger print
		1714110500	Devesh Tripathi	
		1714110018	Mayank Dubey	
27	Mr. A.R.Patil	1714110470	Sankalp Jain	Arduino Based smart helmet for safety of bike rider.
		1714110473	Tanmay Sharma	
		1714110452	Sai Kaushik	
28	Mrs. H.V. Mehtre	1714110430	Debarati Sen	“Traffic assistant: A differently abled system”
		1500001020	Swarnima Shaily	
		1500000985	Pranav Tripathi	
29	Mrs. S.M.Khatavkar	1714110490	Siddhartha Sharma	Biometric Authentication
		1714110003	Aditya Sharma	
		1714110363	Harsh Vardhan Mishra	

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Sr. No.	Name of Guide	PRN No.	Name of Student	Project Title	
1	Dr. Prof.A.A.Shinde	1614110603	Gaurang Bajpai	Curve tracer using ATMEGA 2560	
		1614110605	Sandhya Narendran		
		1614110490	Aman Dwivedi		
2		1614110604	Rakesh Kumar	Automation using Backhoof PLCA	
		1614110600	Gaurav Rastogi		
		1614110812	Yashasvi Singh		
3	Prof.Dr.S.P.Gaikwad	1614110533	Ayushi Nigam	Heart Attack Detector using Heartbeat sensor	
		1614110565	Aditi Gupta		
		1614110560	Nimish Mathur		
4		1614110595	Nishtha Agarwal	Optical router for optical network on chip	
		1614110586	Yash Malik		
		1614110570	Anushree Chandra		
5	Prof.Dr.N.T.Markad	1400000744	Shrey Talreja	Design and modulling of microstrip anteena	
		1500001000	Sharib Ahsan Mallick		
		1614110607	Rajat Srivastava		
		1614110579	Kumar Vaibhav		
6		1614110529	Abhishek Singh	RF and RFID based object identification and nevigation system	
		1614110534	Aakash Chaudhary		
		1614110008	Akash Dey		
7		Mrs. M.V.Patil	1614110591	Diksha Singh	Arduino based automated aquaero purifier
			1614110598	Digvijay Singh	
			1614110585	Lucy	
8	1614110593		Shaurya Srivastava	Short circuit protection system	
	1614110601		Rishabh Sharma		
	1614110587		Parag Fadnis		

9	Mrs.M.S.Chavan	1614110597	Jyoti Srivastava	UART IP design using VHDL
		1614110578	Kishti Jain	
		1614110589	Kumar Anant	
10		1614110536	Maanvendra Singh	Footstep power generation using Piezoelectric sensor and distribution using RFID
		1614110514	Archie Tripathi	
		1614110500	Sachin Chauhan	
11	Mrs.S.P.Tondare	1614110610	Ram Mishra	Vital Health Parameters Monitoring through Wireless Communication System.
		1614110590	Siddhant Kr Mishra	
		1614110527	Harsh Singh	
12	Mr.S.V.Dhole	1614110582	Srishti Upadhyay	IOT based Air Pollution meter
		1614110557	Rishabh Dev Khare	
		1614110040	Shivani Mishra	
13		1614110523	Rishabh Arora	Wireless IOT based Biometric lock
		1614110532	Mayank Gupta	
		1614110531	Akshay Kumar	
14	Mrs.S.K.Pawar	1614110019	Paarth Goel	Smart Shoe
		1614110773	Shivam Harjai	
		1500000975	Neeraj	
15	Mrs.P.R.Naregalkar	1614110028	Rohan Gaur	Railway Track Crack detection system
		1614110016	Vedsagar	
		1614110021	Aditya Raj Mishra	
16		1614110550	Ritu Chaudhary	Emotions recognition using speech
		1614110546	Shreya Saraswat	
		1614110580	Siddhant Chaturvedi	
17	Mrs.V.P.Kaduskar	1614110549	Aditi Singhal	Fault detection in railway signaling using machine learning
		1614110561	Ramesht Shukla	
18		1614110510	Raviraj Singh	Machine learning based speed control of AC motor
		1614110566	Shalini	
		1614110574	Vineet Sharma	
19		Mr.S.R.Madkar	1614110573	Sahil Khan
	1614110564		Mitesh Kumar	
	1614110558		Anand Kumar	

20	Mr.S.R.Madkar	1614110515	Ravindra Shukla	Robot automated imaging on hard surface/Line tracer, Obstacle avoider,self controller
		1614110509	Jayalakshmi Iyer	
		1614110540	Kushagra Singh	
21	Mrs.A.S.Nigade	1614110544	Devesh Kumar	Arduino based fire fighting car
		1614110571	Yash Pandey	
		1614110517	Ashutosh Kumar	
22	Mr.H.S.Hemane	1614110484	Arundhati Singh	Raspberry pi based smart navigation system for blind people
		1614110751	Sagar Pandey	
		1614110592	Sneha Shree	
23	Mrs. J.S.Morbale	1614110530	Akash Kumar Jha	Weather monitoring system using IoT
		1614110518	Nikhil Ahlawat	
		1614110511	Manish Arora	
24	Mr.P.A.Chougule	1614110596	Abhimanyu Singh Rathore	Agricultural automation using embedded system
		1614110535	Ankur Kumar	
		1614110542	Prashuk Jain	
25	Mr.A.R.Patil	1614110567	Kunal Jain	Face recognition using Image Processing.
		1614110556	Raunak Gupta	
		1614110553	Jitendra Kr Choudhary	
26	Mrs.H.V.Mhetre	1614110608	Vaibhav Singh	Intelligent two wheeler manage and control by mobile
		1614110513	Ankit Kumar Singh	
		1614110588	Arjun Singh	
27	Mrs.S.P.Khatavkar	1614110528	Anurag Sharma	Identifying gender from facial features using deep learning algorithm
		1614110545	Abhinav Banerjee	
		1614110543	Hemanka Sarma	

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1	Dr.Prof. A.A.Shinde	1500001024	Vishal Bharadwaj	Rangeless Robot	
		1500000990	Rajneesh Ray		
		1500000828	Prabhat Pathak		
2		1500000981	Pankaj Dahiya	Arduino Based Wireless Power Meter	
			1500000972		Mayank Singh
			1500000995		Sachin Kumar
3		1500001003	Shashwat Mishra	Measurement of PH and absorbance of solution using Arduino Uno	
			1500001001		Shashank Verma
			1500000992		Rishabh Dwivedi
4	Dr.Mrs.S.P.Gaikwad	1500000643	Sanjoli Omar	Air Pollution and Noise Pollution	
		1500000954	Aayushi Goel		
		1500000946	Anshika Mishra		
5		1500000640	Rishabh Anand	Finger gesture vocalizer	
			1500000950		Ashutosh Sharma
			1500001023		Vidit Rustogi
6		1500000832	Rishav Kumar	5 – Port Router for Optical Network on Chip	
			1500000969		Madhur Singh
			1500000801		Akshay Srivastava
7	Mrs. M.V.Patil	1500001021	Tanvi Kulshrestha	Power Generation on Opening & Closing of Door	
		1500000965	Kushal Chauhan		
		1500000964	Kamal Kishor Gour		

8	Mrs. M.V.Patil	1400000762	Suruchi Yadav	Vehicle starter by using fingerprint
		1500000978	Nikhil Kumar	
		1500000997	Samiksha Maheshwari	
9		1500000947	Anurag Mishra	A music identification system based on Audio fingerprinting
		1500000649	Vishal	
		1500000650	Yashwant Singh	
10		1500000645	Saurabh Kumar	Automated Railway Crossing
		1500000642	Sai Mohak Mishra	
		1500001022	Udit Dhurve	
11	Mrs. M.S.Chavan	1500000996	Saksham Jain	Haptic Shoes using GPS for Blind People
		1500000648	Vijay Singh Latwal	
		1500000941	Aditya Mattu	
12		1300000790	Devanshu Saxena	Biometric based EVM using Aadhar Database
		1100000295	Udhav Verma	
		1300000389	Mayank Mukherjee	
13		1500000970	Mallika Uppal	Implementation of Fuzzy logic based speed control for AC Motor using Arduino platform.
		1500000960	Isha Jha	
		1500000983	Pooja Deole	
14	Mr.V.P.Kaduskar	1500000952	Atal Tiwari	Fruit ripeness detection with Machine learning using Raspberry Pi
		1500000945	Anmol Sharma	
		1500000953	Avinash Patil	
15		1500000961	Jatin Kumar	Wireless Monitoring of Drivers Pulse Rate and Temperature using hand glove approach
		1500001010	Shivansh Singh	
		1500001012	Shruti Mishra	
16	Mrs. S.P.Tondare	1400000686	Arshdeep Singh	Bluetooth Controlled Home Appliances
		1400000748	Shubham Mishra	
		1400000737	Satyam Chourey	