

Department of: Electronics

List of UG projects 2018-19

Total no of projects: 59 Total no of internal projects: 52 Total no of external projects: 02 Total no of interdisciplinary projects: 05 Total financial assistance received: KJSCE Rs. 000 External agency : Rs.000

Project Group No.	Names of group members	Roll No.	Title of Project	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External / Interdisciplinary
1.	Jainam B Jain Nishit P Pabari Yash P Shah	1412084 1622019 1622022	Automatic diabetic retionopathy detection using gabor filter with local entropy threshold	SP	Dr. J H Nirmal	Internal
2.	Saad Ansari Disha Saraiya	1512062 1512102	Intelligent mood detection & music recommendation	CS	Dr. J H Nirmal	Internal
3.	Anuj Mishra	1622033	PLC Based car parking system	P&C	Dr. Samidha Kulkarni	Internal
4.	Raj D. Bhatt Ruchik Thakkar Khanjan Kundalia	1622002 1622004 1622005	Automization of Seeding and fertilization in agricultural process	DS	Dr. Samidha Kulkarni	Internal
5.	Sanjana Dhulla Jitun Mishra	1512011 1512030	Design and fabrication of battery bank & its BMS (Battery management system) for a formula student Electric Vehicle	EC P&C	Mr.A S Thosar	Interdisciplinary
6.	Jay Mistry Saurabh Palde Vidhi Satra	1512093 1512095 1512103	Speed Gun-Vehicle speed measurement system	P&C	Mr. A S Thosar	Internal
7.	Shweta Patel Saurabh Vohra Yash Gulve	1512035 1622018 1622016	Home Automation using image processing	CS	Mr. U P Chhatre	Internal
8.	Harshal Y Bhole Ajay B Chauhan Vatsal Bavishi	1412019 1412 1622009	myRio based robotic system with vision and path finder	P&C	Mr. U P Chhatre	Internal
9.	Soham S Kulkarni	1622012	Design of harmonic analyzer and graphic visualization for power protection and control application using Zynq SoC	DS,EC,P&C	Ms. Arati Phadke	External
10.	Kunj Haria Smit Shah	1512016 1512046	Actuation & control system for water surface vehicle	DS	Ms. Arati Phadke	Internal
11.	Nainil Maladkar Vishrut Desai Suyash Joshi	1512027 1512010 1512021	FPGA based implementation of DNN using onchip memory	DS	Ms. Arati Phadke	Internal
12.	Rushabh Oswal Polingam Ponrathnam Kaushal Mahuvarkar		Design and fabrication of converter circuit for PMS motor, programmed control unit and safety circuit of a formula car	EC P&C	Mr. M S Marathe	Interdisciplinary
13.	Mayuresh Auti Ninad Mulay Akshat Dave	1622030 1622035 1622025	Design & development of 500 watts pure sine wave inverter	P&C	Mr. M S Marathe	Internal

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14.	Dhwani Vichhi Shreya Suvarna	1512114 1512109	Developing Power electronics Laboratory	P&C	Mr. M S Marathe	Internal
15.	Arya Ambardekar Leena Kesarkar Ayesha Sayyad	1512003 1512025 1512041	Network Security in SVV using NAC	SP	Dr. Sudha Gupta	Internal
16.	Sauma Kamde Jay Kariya	1512022 1512023	Green Building Automation: Designing of an automated system optimized to make it resource efficient	CS	Dr. Sudha Gupta	Internal
17.	Arat Gouda Kevin Zatakia Zubin Pandya	1412028 1412060 1522006	Network Security is SVV using NAC	CS	Dr. Sudha Gupta	Internal
18.	Deep H.Haria Rehan Mistry	1412082 1412094	4 Degree of freedom Scara Robot for pick & place application	P&C	Ms. Annu Abraham	Internal
19.	Het Manek Adithya Nambiar Devashish Patel	1512028 1512032 1512034	Servo arm using IoT	P&C	Ms. Annu Abraham	Internal
20.	Adwait P Naik	1512057	Arduino based robotic arm with speech recognition	EC	Ms. Annu Abraham	Internal
21.	Harshada Benke Ragini Gharat	1622029 1622032	IoT based weather monitoring system using particle photon	CS	Ms. R T Daryapurkar	Internal
22.	Harsh V Patel Omkar R Karande Harish Chendwankar	1622024 1622031 1622036	Design of smart electricity monitoring system	CS	Ms. R T Daryapurkar	Internal
23.	Umed Jadhav Manthan Gajra Yash Jain	1622037 1412081 1412083	Microcontroller based automated food preparation unit controlled using android app	DS	Ms. Lekha Das	Internal
24.	Parth V Kataria Parva M Shah Neel B Shah	1512024 1512045 1622001	GSM based farm irrigation	DS	Mr. S A Hanumante	Internal
25.	Anshul Mehta Adithya Mukesh Deepak Pore	1512029 1512031 1512037	Dam operation based on water level	DS	Mr. S A Hanumante	Internal
26.	Vignesh Joshi Jugal vaja Akash Mehta	1512084 1512113 1512091	GSM based Energy meter billing system	DS	Mr. S A Hanumante	Internal
27.	Maitri Shah Mehanshi Patel	1622003 1622008	Intelligent energy saving system	DS	Ms. Kirti Sawlani	Internal
28.	Nikhil Shah Parin Shah Sakshi Trivedi	1512106 1512107 1512112	Construction & development of an automated greenhouse system	DS	Ms. Kirti Sawlani	Internal

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29.	Nishad Joshi Nikita Virkud	1512020 1512115	GSM based security automation system for building entry management	CS DS	Mr. M G Kulkarni	External
30.	Rhea Gupta Hitendra Karotiya Dhruv Kotecha	1512177 1512086 1512088	Bluetooth Controlled Robot	EC	Mr. M G Kulkarni	Internal
31.	Abhay Nadkarni Ashish Phadatare Aditya Shah	1512094 1512099 1512104	Automated measurement of AVR feature in fundus using image processing & ML	SP	Ms. Sushma Kadge	Internal
32.	Ankita Deshmukh Anuja Barve	1622011 1622013	Home Automation using Raspberry Pi	SP	Ms. Sushma Kadge	Internal
33.	Karan Harjai Jay Shah	1512079 1512043	Diagnosis of disease using machine learning algorithm	SP	Ms. Sushma Kadge	Internal
34.	Gayatri Gandhi Hitvena Shah	1512076 1512105	Co ordination of group of Robots using Artificial Intelligence	CS	Ms. Seema Talmale	Internal
35.	Sachin Chavan Rishi N Mistry Drashti Gokalgandhi	1412073 1522022 1312102	Fingerprint based bank locker system	CS	Ms. Seema Talmale	Internal
36.	Taral Mehta Jeet Khunt Vikram sagar	1622021 1622020 1622027	IOT based Irrigation monitoring	CS	Ms. Seema Talmale	Internal
37.	Nikita Ramachandran Anuradha Verma Shreela Nair	1512038 1512051 1512063	Automatic water level detector using IoT	CS	Ms. A Y Naiksatam	Internal
38.	Sunitha Rajgopalan Srinidhi Gunjekar	1512064 1512078	Synthesizing a RISC Processor on FPGA	DS	Ms. Shoba G	Internal
39.	Karan Chhadwa Rutuja Mehta Ankita Thikekar	1512070 1512092 1512122	IoT based sound pollution monitoring system	CS	Ms. Shoba G	Internal
40.	Chirayu Marathe Sarathak Rathod Raghunath Gangi	1512116 1512120 1512121	Automated Traffic Control System	DS	Ms. Shoba G	Internal
41.	Meet S Paradia Dhaval V Shah Milan H Dave	1512033 1512042 1412013	Smart weather monitoring system (IoT weather station)	P&C	Ms. Shila Dhande	Internal
42.	Dhaval Bhanushali Yash Bhanushali	1512005 1512006	Smart water monitoring using IOT	P&C	Ms. Shila Dhande	Internal
43.	Jagnoor Parmar Nikita Patil Shivam Singh	1512096 1512098 1512111	IoT based vehicle emission monitoring system	CS	Ms. Bharati Khedkar	Internal

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44.	Navneet Desai Parth Jani Viral Mamaniya	1512072 1512082 1512090	Automatic Smart parking system using IoT	CS	Ms. Bharati Khedkar	Internal
45.	Nayan Antiya Karan Siddhapura	1622007 1622028	Design of IOT based Data Logger for temperature controller	EC	Ms. Deepa Jain	Internal
46.	Apeksha Shinde Rachana Dandekar Revati Anawardekar	1512047 1512048 1512058	Automated masking system	P&C	Ms. Megha Sharma	Internal
47.	Pinak Panchal Rajat Patel Pratik Sapariya	1412098 1412101 1522025	Smart Lighting system using IOT	CS	Mr. Nilesh Lakade	Internal
48.	Anil Guruprasad Akshat Kacheria Vinit Todai	1512002 1511081 1511116	Brain computer interface based automation device	SP	Ms. Pritam Salankar	Interdisciplinary
49.	Ojas Pethe Aditya Bhabhe Saurabh Ambardekar	1512036 1512060 1512066	Smart parking system using IoT	SP	Ms. Pritam Salankar	Internal
50.	Sachin D Soneria Gaurav V Kadam	1622006 1622010	Automatic Street Light Control using IoT	EC	Ms. Pritam Salankar	Internal
51.	Jinali Dedhia Urva Doshi Vijen Gala	1512009 1512012 1512013	Ethernet based industry automation using FPGA	DS	Ms. Pragya Gupta	Internal
52.	Fatima Hitawala Manan Raval Shamli Bharmal	1512017 1512055 1512059	IOT based Real time weather monitoring system	DS,CS	Ms. Pragya Gupta	Internal
53.	Shubham Balsaraf Nitin Lalwani Shubhada Shetti	1622014 1622015 1622017	Design & implementation of floating point ALU	DS	Ms. Pragya Gupta	Internal
54.	Pratyaksha Inani Shraddha Joshi Sagarika Barde	1512080 1512083 1512067	Automating process of stock trading based on ML	SP	Ms. Ankita Modi	Internal
55.	Siddhesh J Chavan Pritesh Surana Harsh J Vyas	1512007 1512049 1512053	Stock price prediction based on machine learning	SP	Ms. Ankita Modi	Internal
56.	Arati Mule Mansi Gori Bhumika Kava	1622034 1622023 1612087	Projection of keyboard on opaque surface using image processing	SP	Mr. Inderjit Singh Dhanjal	Internal

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57.	Shail Maroo Paras Mehta Rahul Jethwa	1312101 1312094 1312083	Haptic Robotic Arm driven vehicle	EC	Mr. U P Chhatre	Internal
58.	Veenadharini Shukla Neha Tandon Aishwarya Shetty Arnab Panda	1513115 1513118 1513114 1513099	Text Independent Speaker Verification System	SP	Dr. J H Nirmal	Interdisciplinary
59.	Priyal Thakkar Anushka Chhadva Mahir Dave	1511115 1511069 1511071	Multimodel Emotion Detection	AI	Dr. J H Nirmal	Interdisciplinary