



Sardar Patel Institute of Technology
Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-
400058, India
(Autonomous College Affiliated to University of Mumbai)

1.3.3 Research Project / Field Projects

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Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology
 Munshi Nagar, Andheri (West), Mumbai - 400 058
 Department of Computer Engineering
 B.Tech Computer Project AY 2022-23

Major
 22-23
 Comp

Sr. No	UID	Student Name	Project Title	Project Guide	Expert
1	2019130012	Sakshi Gadegaonkar	Job Recommendation System	Prof. Abhijeet Salunke	Prof. Ananad Godbole
	2019130033	Darsh Lakhwani			
	2019130036	Sahil Marwaha			
2	2019130049	Param Patil	A novel AI based Prognostic approach using PET-CT and pathology images for advanced stage Hodgkin Lymphoma	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2019130009	Abhishek Chopra			
	2019130040	Aditya Motwani			
3	2020301072	Sanskriti Badhe	Synopsis creation from multiple Research papers	Prof. Reeta Koshy	Dr. Preetida Jani
	2020301076	Mubashshira Hasan			
	2020301077	Vidhi Rughwani			
4	2019130025	Ameya Jangam	Agent profiling using Spatio-Temporal Attention Models	Dr. Anant V. Nimkar	Dr. Sudhir Dhage
	2019130045	Deep Nayak			
	2019130038	Atharva Mohite			
5	2019130057	Divya Shah	Proposing Investments based on Fundamnetal Analysis	Prof. Ananad Godbole	Prof. Abhijeet Salunke
	2019130055	Hrushheekesh Sawarkar			
	2019130059	Manan Shah			
6	2019130024	Rishabh Jain	Simplify- Smart Intelligent system that can code like human being	Dr. D. R. Kalbande	Prof. Surekha Dholay
	2019130026	Vedant Jolly			
	2019130058	Jaiwin Shah			
7	2019130065	Shubham Thakar	Assistant for Criminal Forensic	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2019130056	Bhavya Shah			
	2019130060	Samkit Shah			
8	2019130018	Sumeet Haldipur	Moody AI	Prof. Jyoti Ramteke	Prof. Nataasha Raul
	2019130013	Pritam Gaikwad			
	2020301074	Aryan Dhami			
9	2019130070	Prathmesh Waghmode	Yoga AI	Prof. Pramod Bide	Prof. Sunil Ghane
	2019130062	Atharva Shitole			
	2019130064	Mayur Telrandhe			
10	2019130032	Madhav Lahoti	Finding Missing Person usinh AI	Prof. Nataasha Raul	Prof. Jyoti Ramteke
	2018130011	Sanchit Gajam			
	2019130030	Aditya Kasat			
11	2019130066	Ashish Todi	Eazy Trading	Prof. Reeta Koshy	Dr. Preetida Jani
	2019130053	Shashank Sarma			
	2019130041	Vatsa Nagaria			
12	2019130027	Manvita Joshi	Mental Health Companion	Prof. Nataasha Raul	Prof. Jyoti Ramteke
	2019130031	Traividya Korgaonkar			
	2019130035	Chetashri Mahajan			
13	2019130004	Harshad Banate	Decentralised Application for Health Insurance Management using Blockchain	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2019130011	Divesh Choudhary			
	2019130020	Yash Jagtap			

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Project Coordinator: Prof. Sunil Ghane



HOD: Dr. Prasenjit Bhavathankar

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14	2019130023	Naitik Jain	System for Monitoring Driver Awareness and Alertness	Prof. Ananad Godbole	Prof. Abhijeet Salunke
	2019130061	Samveg Shah			
	2019130069	Vedanth Raja			
15	2019130005	Malhar Bangdiwala	Quickbook	Prof. Abhijeet Salunke	Prof. Ananad Godbole
	2019130034	Sakshi Mahadik			
	2019130037	Yashvi Mehta			
16	2018130055	Akshay Tarde	Sign Language- Speech/Text-Translator	Prof. Jyoti Ramteke	Prof. Nataasha Raul
	2018130042	Ashish Rajguru			
	2019130054	Apurv Sarode			
17	2019130010	Rutvik Choudhari	Road Duty- Helmet detection and Penalising	Prof. Sunil Ghane	Prof. Pramod Bide
	2019130015	Shubham Goel			
	2019130047	Yash Patel			
18	2019130022	Kashish Jain	Surveillance based Garbage dumping action detection and Parallel active tracking for Face detection for creating an	Dr. Anant V. Nimkar	Dr. Sudhir Dhage
	2019130021	Jash Jain			
	2019130028	Manthan Juthani			
19	2019130001	Manas Abhyankar	DDOS Detection and Classification using SMOTE	Prof. Anand Godbole	Prof. Abhijeet Salunke
	2020301078	Roban Shinde			
20	2019130052	Pooja Sable	Smart Kisan- An Mobile application for farmers assistance in Agriculture activities	Dr. D. R. Kalbande	Prof. Surekha Dholay
	2019130071	Tejal Yadav			



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22-23



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Mini Project II Groups TE Computer AY 2022-23

Sr No.	UID	Student Name	Project Title	Project Guide
1	2020300016	Parth Gujarathi	Psychological Distress Detection, Classification and Assistance	Prof. Sunil Ghane
	2020300040	Kartik Mexon		
	2020300052	Jai Patel		
2	2020300051	Dhru Patel	Garbage Collection Route Optimization	Prof. Sunil Ghane
	2020300071	Akshay Vhatkar		
	2020300072	Arun Warner		
3	2021301080	Danish Sheikh	AR + IOT (Indoor navigation & Smart Appliance Control)	Prof. Pramod Bide
	2021301078	Nishita Sharma		
	2021301073	Amareesh Baranwal		
4	2020300053	Chirnay Pichad	Agricultural Product supply Chain using Blockchain	Prof. Jyoti Ramteke
	2020300059	Roshan Sawant		
	2020300068	Ganesh Supe		
5	2020300042	Shantanu Milkhe	Crowdfunding in Blockchain	Prof. Jyoti Ramteke
	2020300043	Prince Mishra		
	2020300044	Nikhil Naik		
6	2020300005	Madhura Chitale	Sentimizer	Dr. Sudhir Dhage
	2020300018	Aakanksha Dhawale		
	2020300010	Monalisa Dubey		
7	2020300013	Chirag Gindhar	Graphy (ML based Personality Prediction)	Prof. Pramod Bide
	2020300022	Yash Jain		
	2021300077	Siddharth Revankar		
8	2020300027	Noman Khan	Student documentation Administration using Blockchain	Prof. Anand Godbole
	2020300030	Varun Kesarne		
	2020300064	Suyog Shah		
9	2020300065	Vatsal Shah	Music generation using AI	Prof. Anand Godbole
	2020300015	Shubham Golwal		
	2020300062	Kratik Shah		
10	2020300018	Srushti Haryan	ChainCare: Pharmaceutical Supply Chain Management using Blockchain Technology	Prof. Abhijeet Salunke
	2020300035	Rupin Malik		
	2020300058	Prathamesh Redij		
11	2020300034	Kunal Madrecha	TestPal-AI based Q&A generation and Evaluation	Prof. Varsha Hole
	2020300038	Paras Mehta		
	2020300048	Sakshi Pandey		
12	2020300004	Dhaval Chheda	Objectify	Prof. Abhijeet Salunke
	2020300009	Vynn Doshi		
	2020300012	Shubham Ghuge		
13	2020300014	Vatsal Golai	Healthsense Disease detection system	Prof. Surekha Dholay
	2020300017	Arya Gupta		
	2020300036	Prabhakar Maitoo		
14	2020300023	Jay Jani	Speech Emotion Recognition Audio sentiment analyser	Prof. Reeta Koshy
	2020300026	Shubhan Kadam		
	2020300033	Aniket Kudarkar		

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 Dr. Prasenjeet Bhavathankar

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15	2020300045 2020300056	Seema Padghan Pranali Raghavwan	Healthcare Chatbot	Prof. Dr. Kalbande
16	2020300060 2020300067 2020300063	Divyesh Shah Meet Shrimankar Shubh Shah	Waste Management	Prof. Varsha Hole
	2020300069	Sumeer Vedpathak		
	2018130009	Harshal Dahat		
17	2020300003 2020300069 2018130009	Eshant Chandak Sumeer Vedpathak Harshal Dahat	Fake Product Identification	Prof. Kiran Gawande
	2020300002 2020300039 2020300001	Atman Airopure Shlok Mehta Taran Agrawal		
	2020300029 2020300047 2020300050	Aditya Kharote Keyur Pancholi Rutik Parab		
18	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele	GANerator	Dr Sudhir Dhage
	2020300029 2020300047 2020300050	Aditya Kharote Keyur Pancholi Rutik Parab		
	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele		
19	2020300029 2020300047 2020300050	Aditya Kharote Keyur Pancholi Rutik Parab	Educhain- Decentralized Examination record system	Dr. Anant Nimkar
	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele		
	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele		
20	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele	Data Analytics in Health: Covid-19	Prof. Aparna Halbe
	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele		
	2020300028 2020300032 2020300070	Aditya Khandekar Parasn Kothari Jay Vele		
21	2021301074 2021301075 2021301079	Pratham Maner Srushi Patil Kenil Shah	FinTracker- your Comprehensive Financial Dashboard	Prof. Natasha Raul
	2021301074 2021301075 2021301079	Pratham Maner Srushi Patil Kenil Shah		
	2021301074 2021301075 2021301079	Pratham Maner Srushi Patil Kenil Shah		
22	2020300007 2020300019 2020300020	Khushal Dhanuka Kashish Hemrajani Naman Himmatramka	Driver Drowsiness Detection	Prof. Pramod Bide
	2020300007 2020300019 2020300020	Khushal Dhanuka Kashish Hemrajani Naman Himmatramka		
	2020300007 2020300019 2020300020	Khushal Dhanuka Kashish Hemrajani Naman Himmatramka		
23	2020300037 2020300021 2020300049	Smit Meghani Vidhita Jagwani Krishna Pai	Resume Grader	Prof. Sudhir Dhage
	2020300037 2020300021 2020300049	Smit Meghani Vidhita Jagwani Krishna Pai		
	2020300037 2020300021 2020300049	Smit Meghani Vidhita Jagwani Krishna Pai		
24	2020300024 2020300025 2020300031	Aditya Jikamade Sahil Kadam Mahesh Kothalkar	Image Caption Generation using Deep Learning	Prof. Swapnali Kurhade
	2020300024 2020300025 2020300031	Aditya Jikamade Sahil Kadam Mahesh Kothalkar		
	2020300024 2020300025 2020300031	Aditya Jikamade Sahil Kadam Mahesh Kothalkar		
25	2020300049 2020300011	Shivalik Pandita Sakshi Gaikwad	Easy vision	Dr. Dhananjay Kalbande
	2020300049 2020300011	Shivalik Pandita Sakshi Gaikwad		


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Project Coordinator: Prof. Swapnali

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HOD: Dr. Prasenjit Bhavathankar


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Mini Project I Groups SE Computer AY 2022-23

Sr.No	AID	Student Name	Project Title	Project Guide
1	2021300040	Prakhar Gupta	Chronic disease detection and cure	Prof. Anand Godbole
	2021300033	Parth Gandhi		
	2021300031	Shaan D'Souza		
2	2021300023	ameya dabholkar	Disease and injury detection	Prof. Rupali Sawant
	2021300025	vandan deshmukh		
	2021300023	kevin doshi		
3	2021300119	Krutika Shinde	Temperature Monitoring System	Prof. Sunil Ghane
	2022301001	Jyoti Bagal		
	2021300098	Nikita Pawar		
4	2021300091	Vanshika Parmar	Auto completion tool	Prof. Swapnali Kuchade
	2021300094	Aakriti Patil		
	2021300096	Sakshi Patil		
5	2021300002	Deepanshu Aggarwal	Student - College Interactive Portal	Prof. Jignesh Sisodia
	2021300018	Ishavesh Chaudhari		
	2021300029	Neerja Doshi		
6	2021300045	Sunil Iyer	A.I. Powered E-Learning Website	Prof. Sunil Ghane
	2021300060	Adrika Khurut		
	2022301007	Shivam Kamble		
7	2021300015	Ayush Bodade	Healthcare Advisory	Dr. Sudhir Dhage
	2021300001	Shaan Agarwal		
	2021300064	Siddhesh Kirdat		
8	2021300026	Anshuman Dhere	Red Traffic Light Violation Detection	Dr. Kailas Devadkar
	2021300024	Dewyani Deshmukh		
	2021300034	Gitanjali Gangurde		
9	2021300036	Hardik Garg	Campus Connect: Clubs and Committees Hub	Dr. Kailas Devadkar
	2021300056	Akshaya Karande		
	2021300035	Deepak Gorwani		
10	2021300079	ishubham more	Face recognition based attendance system	Dr. Anant Nimkar
	2021300082	pranav Nalawade		
	2021300137	yash waghskar		
11	2021300109	Kaif Ali Sayyad	Face recognition based attendance system	Prof. Pramod Bide
	2021300116	Swapnil Shah		
	2021300113	Dhruv Shah		
12	2021300126	Priyanshu Singhvi	Virtual Driving Assistant	Prof. Kiran Gawande
	2021300122	Mutaddal Shiriyaji		
	2021300117	Aryan Shunkhapal		
13	2021300129	Rishabh Srinivasan	Personal Finance Management	Prof. Swapnali Kuchade
	2021300120	Vignesh Shinde		
	2021300114	Harditya Shah		
14	2022301003	Om Bhutki	Driver Drowsiness Detection System	Dr. D. R. Kalbande
	2022301014	Priyavi Singh		
	2022301008	Adrian Khan		
15	2021300115	Sahil Shah	Home Automation System	Prof. Pramod Bide
	2021300118	Vinanchi Shettigar		
	2022301009	Maryada Lodha		

(Signature) *(Signature)*
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Project Coordinator: Prof. Sunil Ghane

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HOD: Dr. Prasenjit Bhavathankar

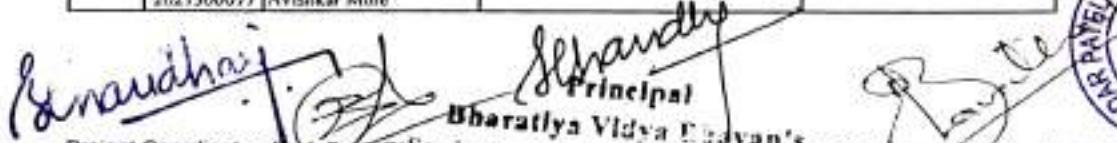


16	2021300089 2021300095 2021300100	Akash Panicker Mahesh Patil Rohit Phalke	Examix - A secure and proctored online exam application	Prof. Anand Godbole
17	2021300063 2021300059 2021300061	Aarush Kumbkar Varada Khadake Aditya Khuman	Donate things to orphanage	Dr. Natasha Raul
18	2021300102 2021300103 2021300108	Omkar Rao Udit Rao Hatim Sawai	Reliable Review Generator using NLP	Prof. Anand Godbole
19	2021300121 2021300123 2021300106	Aditya Shirodkar Haridas Singh Onam Sarode	OTI FIT - a lifestyle app for students	Prof. Jignesh Sisodia
20	2021300058 2021300057 2021300055	Ayush Kedare Harshey Kaur Soi Abhimanyu Kapoor	MEAL BOX	Prof. Nawal Dandekar
21	2022301011 2021300021 2021300069	Pooja Patil Darshana Chothave Sakshi Lonare	Pomodoro Timer	Prof. Kiran Gawande
22	2021300130 2021300125 2021300133	krishnam subramanian yoshita singh adarsh tripathi	Traffic Congestion prediction	Prof Abhijeet Salunke
23	201300138 2021300099 2022301010	Amey Wani Pratiksha Pawar Soniya Nandwani	Credit Card Fraud Detection	Dr. Kailas Devadkar
24	2021300051 2021300046 2021300038	Pratham Jain Chinmay Jadhav Atharva Gite	Credit Risk Analysis	Dr. Sudhir Dhage
25	2021300010 2021300009 2021300016	Kunal Bhatia Saniya Bangare Vaishnavi Borkar	Music Entertainment Website	Dr. Sudhir Dhage
26	2021300092 2021300110 2021300112	Vineet Parmar Dev Shah Tathagat Sengupta	Auto Answer Generation	Prof. Vansha Hole
27	2021300005 2021300006 2021300020	Utsav Avaiya Allen Andrew Aryaman Chokhani	Website to tackle mental health problems	Prof. Khushbu Chauhan
28	2021300062 2021300065 2021300066	Anmol khy Pranav kore Anand Krishna	Stock price predictor	Prof. Pramod Bide
29	2022301006 2022301015 2022301004	Tejas Jadhav Shubham Solanki Yash Burad	Music Streaming Web Application	Prof. Sunil Ghane
30	2022301012 2022301002 2021300111	Sanket Pingale Viveaj Bhalerao Anant Shah	Startup success prediction	Dr. D. R. Kulkarni
31	2021300004 2021300048 2021300050	Shanouf Ansari Harsh Jain Palash Jain	Online pharmaceutical platform for comparing medicines	Dr. Natasha Raul
32	2021300076 2021300127 2021300131	Ankit Mishra Yusuf Sodawala Saad Surve	The Swift Reader - NLP & Web Scraping based News Summarizer	Prof. Jignesh Sisodia
33	2021300093 2021300128 2021300105	Kunal Pasad Khushi Soni Rahul Ruke	Social Media App	Prof. Sunil Ghane

Project Coordinator: Prof. Sunil Ghandar Patel Institute of Technology, Dr. Prashant Bhavathankar
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34	2021300067	Rucha Kulkarni	Weather Forecasting tool	Dr. Anant Nimkar
	2021300052	Priyanka Kadam		
	2021300032	Apurvi Dubey		
35	2021300039	Neha Gode	Sales Forecasting	Dr. D. R. Kalbande
	2021300041	Heramb Haridas		
	2021300047	Divya Jagtap		
36	2021300049	Krish Jain	Car Pooling Application	Dr. Sudhir Dhage
	2021300003	Rahil Ankhad		
	2021300043	Vishakha Hole		
37	2021300017	Mihika Chachad	Facial Recognition for security	Dr. Sudhir Dhage
	2021300011	Urmang Bhatt		
	2021300012	Basuri Bhujade		
38	2021300070	Vinit Madhyam	Movie recommendations web application	Prof. Khushboo Chauhan
	2021300068	Harshith Kunder		
	2022301016	Pratiksha Patil		
39	2021300135	Sahil Vedpathak	Blockchain based voting system	Dr. Anant Nimkar
	2021300132	Varosh Tambi		
	2021300104	Sheshasai Reddy		
40	2021300042	Vijesh Hingu	Sentimental analyser embedded in a social media clone	Dr. Prasenjit Bhavathankar
	2021300044	Aman Hekstone		
	2021300054	Sandikar Kamble		
41	2021300081	Jay Nadkarni	Personalized suggestion system for Films with additional features (using Filtering techniques)	Dr. Anant Nimkar
	2021300083	Sahil Narinaware		
	2021300101	Adwait Pursoo		
42	2021300097	Shivam Patil	Symptom Analysis and Disease Identification Chatbot (DocBot)	Prof. Jyoti Ramteke
	2022301005	Yash Gajewar		
	2021300087	Rajyavardhan Padvi		
43	2021300074	Krish Mehta	Image recognition (Sign Language to text to Audio Translator)	Prof. Abhijeet Salunkhe
	2021300078	Sanika More		
	2021300080	Vinesh Nadar		
44	2021300019	Harshal Chawan	Colab+ (Collaboration tool)	Dr. Surekha Dholay
	2021300022	Adiya Choudhary		
	2021300027	Dhruvil Deshi		
45	2021300007	Rajas Baikar	GroceryMe	Prof. Anand Godbole
	2021300008	Naman Baulani		
	2021300014	Akshat Biniwale		
46	2021300073	Deep Mehta	Rubik's cube solver using Open cv	Prof. Jignesh Sisodia
	2021300084	Utkarsh Narayan		
	2021300107	Pranav Sati		
47	2021300071	Vaibhav Mahale	Plant disease Detection	Prof. Swapnali Kurhade
	2021300072	Ronak Matolia		
	2021300134	Riti Vakil		
48	2022301013	Vanshil Shah	Extractive summarisation of text using NLP and Deep Learning	Dr. Anant Nimkar
	2021300088	Vedant Panchal		
	2021300139	Dhruv Yadav		
49	2021300075	Jayraj Menon	Transparent and Genuine Charity Application	Prof. Renuka Pawar
	2021300085	Mohit Narwaiye		
	2021300086	Dhanashree Otari		
50	2021300053	Humanshu Kamble	Restaurent Website	Dr. Surekha Dholay
	2021300030	Om Vipul Doshi		
	2021300013	Eshan Prashant Bhuse		
51	2021300037	Sahil Pramod Gavande	Twitter sentimental analysis	Prof. Nawal Dandekar
	2021300136	Harsh Verma		
	2021300124	Rohit Singh		
	2021300077	Avishkar More		



 Project Coordinator: Prof. Sunil Ghanshankar Patel Institute of Technology, Munshi Nagar, Andheri (W), Mumbai-400 058.
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Department of Computer Engineering
B.Tech Project Details for AY 2021-22

Credit 13.3
Computer
2021-22

Group Id	UID	Name	Project Guide	Project Title	Category
1	2018130001	Prathamesh Bagekari	Dr. Preetida V-Jani	Securing Blood Distribution Systems Using Blockchain	1
	2018130012	Raj Gantekar			
	2019230064	Afreen Ansari			
2	2018130033	Rohit Pai	Dr. Preetida V-Jani	Strengthening deep learning based malware detection models against adversarial attacks	1
	2018130041	Mahinaz Parashar			
3	2019230066	Siddhi Lahange	Dr. Dhananjay Kalbande	Multi disease prediction and Expert Recommendation	1
	2019230067	Fradilance Nalawade			
4	2019230068	Tanay Bagarkar	Prof. Kiran Gawande	Virtual Smart Canines System	1
	2019230069	Ishvaram Patkar			
	2019230070	Vijayal Sahu			
5	2018130012	Anikwarya Ghaiwate	Prof. Kiran Gawande	AI Fitness Tracker	1
	2018130054	Harishwarshan Pandeshi			
	2018130056	Ankeet Thongile			
6	2018130051	Kunal Nalawade	Prof. Jyoti Rautela	Land Use and Land Cover Classification from Satellite Images using Deep Learning	1
	2018130052	Jithulian Koyande			
	2018130027	Ishvam Mehta			
7	2018130046	Chaitanya Shah	Prof. Natasha Raul	Remote Employee Supervision and Performance Analyzer	1
	2018130063	Vineeti Shah			
	2019230070	Jinal Shah			
8	2018130010	Ebrahim Gabajiwala	Prof. Reena Koshy	Quiz Maker: Automatic Quiz Generation from Text using NLP	1
	2018130020	Privav Mehta			
	2018130052	Rithik Singh			
9	2017130013	Apeksha Chavan	Prof. Abhijeet Salunkhe	Covid-19 Resource Aggregator System	1
	2017130051	Manav Sanghani			
	2018130037	Shreyas Patel			



Project Coordinator Prof. Sunil Ghane

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10	2018130001 Ishita Badole 2018130005 Sakshi Chileda 2018130007 Cijasa Chitre	Dr. Dhananjay Kalbande	Performance Analyzer for Blue Chip companies	2
11	2018130003 Akshat Bhat 2018130054 Trushna Talati 2018130058 Soham Vaidya	Dr. Sudhir N. Dhage	Road Accident Prediction for Indian cities	2
12	2018130032 Rucha Nagundre 2018130036 Shashank Patel 2018130062 Swapnil Verma	Dr. Sudhir N. Dhage	Summarization and simplification of medical Literature using NLP	2
13	2018130024 Jay Mehta 2018130016 Jainam Jain 2018130060 Vaidehi Vatsaraj	Dr. Anant V. Nimkar	Categorical Crime Rate Analysis and Prediction	2
14	2018130014 Arka Haldi 2018130017 Khushi Jashnani 2018130019 Rishi Kaul	Dr. Anant V. Nimkar	Computer Vision based mechanism for detecting Fire and its classes using YOLOv5	2
15	2018130051 Jitendra Sidhpura 2018130061 Rudresh Veerkhare 2019230071 Purshwa Shah	Prof. Anand Godbole	FedSpam: Privacy Preserving SMS Spam Detection	2
16	2018130049 Yash Shah 2018130053 Sarika Singh 2018130059 Yug Vajani	Prof. Anand Godbole	Personality Trait Prediction from Asynchronous Video Interviews	2
17	2018130029 Rishita Mote 2018130040 Bhargavi Povekar 2018130047 Jahnvi Shah	Prof. Surekha Dholay	Face Recognition based Attendance system for online classes	2
18	2018130004 Namrata Bhorade 2018130006 Nikita Chitre 2018130057 Pradnya Topale	Prof. Jyoti Ramteke	Speech Emotion Recognition to assist Autistic Children	2
19	2018130008 Abhir Singh 2018130015 Ebahum Hirani 2018130050 Shubham Shetty	Prof. Reeta Kesly	Real Time sign Language translator plugin for video conferencing application	2

Project Coordinator: Prof. Sunil Ghane



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HOD: Dr. Anant V. Nimkar

20	2018130018	Neha Kale	Prof. Sunil Ghane	Auto survey of Research papers using Deep Learning	2
	2018130020	Shivangi Kochrekar			
	2018130023	Darsh Mehta			
21	2018130043	Chirag Rana	Prof. Sunil Ghane	Automation of Nuclei Segmentation using Deep Learning algorithms	2
	2018130044	Pritam Rao			
	2018130050	Ashutosh Naik			
22	2018130075	Prachi Mehta	Prof. Pramod Bide	Natural Language Interface to databases	2
	2018130078	Vedant Mehta			
	2018130079	Priyak Parekh			
23	2018130022	Varun Magotra	Prof. Pramod Bide	Fakequipo: Deep Fake Detection	2
	2018130038	Gaurav Patil			
	2018130039	Sakshi Patil			
24	2017130008	Darshak Bali	Prof. Abhijeet Salunkhe	Mental health wellness Application	2
	2018130045	Harsh Sandesara			
	2018130048	Karan Shah			



Project Coordinator: Prof. Sunil Ghane


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Department of Computer Engineering

Mini Project II Details TE Computer AY 2021-22

Sr.No.	UID	Student Name	Project Title	Guide Name	Expert Name
1	2019130001	Masas Abhyankar	Vad-Anuvad: A Speech to Sign language translator App	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2019130008	Yash Brid			
	2019130042	Pranav Nair			
2	2019130006	Soham Belurkar	Street Smart	Prof. Anand Godbole	Prof. Jyoti Rantekar
	2019130019	Adwait Hegde			
	2019130048	Cjas Patil			
3	2019130071	Tejal Yadav	Satark Nari (Women Security Application)	Prof. Surekha Dholay	Dr. D. R. Kalbande
	2019130052	Pooja Sable			
4	2019130017	Sejal Gurkhe	Fraud Web Page Detection using Machine Learning	Prof. Kiran Gawande	Prof. Reeta Kesly
	2019130039	Ishita More			
5	2019130044	Sudhanshu Narsude	Face Mask Detection	Prof. Jyoti Rantekar	Prof. Anand Godbole
	2019130067	Vishal Tonde			
	2019130068	Himanshu Vaatari			
6	2019130002	Arbaz Ahmed Addewala	AI Voice Assistant Desktop App for Visually Impaired	Prof. Natasha Raul	Prof. Abhijeet Salunke
	2019130051	Sanyam Rai			
	2019130043	Amiket Narhariya			
7	2019130003	Netal Asawa	Crime News Analysis using Machine Learning Techniques	Prof. Sunil Ghane	Prof. Abhijeet Salunke
	2019130029	Vedant Kadhane			
	2019130050	Vivek Poojari			
8	2019130046	Omkar padir	Image Editor	Prof. Pranod Bide	Prof. Sunil Ghane
	2019130063	Rahul Tandel			
	2020301079	Sumit Thakare			
9	2020301073	Sahil Chorgie	DOC-CHAIN	Prof. Abhijeet Salunke	Prof. Sunil Ghane
	2020301075	Keval Dhanani			
	2020301078	Rohan Shinde			

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Project Coordinator: Prof. Sunil Ghane

HOD: Dr. Anant V. Nimkar



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Department of Computer Engineering
Mini Project ISE Computer AY 2021-22

Sr No	UTD	Student Name	Project Title	Guide Name	Expert Name
1	2020300008	Aakanksha Dhawale	Online Voting System	Dr. D. R. Kalbande	Prof. Surekha Dholay
	2020300011	Sakshi Gaikwad			
	2020300045	Seema Padghan			
2	2020300062	Krutik Shah	E-Companion Website for Farmers	Dr. D. R. Kalbande	Prof. Surekha Dholay
	2020300065	Vatsal Shah			
	2020300068	Ganesh Sape			
3	2020300018	Srushti Haryan	ExpressAbled	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2020300035	Rupin Mahik			
	2020300058	Prathamesh Redij			
4	2021301075	Srushti Patel	Book Exchange Management System (BookBuddy)	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2021301077	Siddharth Revankar			
5	2021301073	Amareesh Boramwal	Gameholic-Best place to refresh your mind	Dr. Sudhir Dhage	Prof. Sunil Ghane
	2021301074	Pratham Maner			
	2021301079	Kenil Shah			
6	2020300066	Trisha Shishodiya	SignSpeak	Dr. Preeti Jani	Prof. Jyoti Ramteke
	2020300057	Omkar Rane			
	2020300059	Roshan Sewant			
7	2020300031	Mallesh kothalkar	Fraud Detection using Graph Theory	Dr. Preeti Jani	Prof. Jyoti Ramteke
	2020300069	Simran Vedpathak			
8	2020300061	Krish Shah	Logo Uniqueness using CBIR	Dr. Anant Nimkar	Prof. Abhijeet Salunke
	2020300063	Shubh Shah			
	2020300072	Arun Warrier			
9	2020300009	Vyom Doshi	Online Chess Platform	Dr. Anant Nimkar	Prof. Swapnali Kshetre
	2020300064	Suyog Shah			
10	2020300030	Varun Koranne	File management DAPP	Prof. Anand Godbole	Prof. Jyoti Ramteke
	2020300015	Shubham Golwal			
	2020300012	Shubham Ghuge			
11	2020300046	Krishna Pai	Foodify	Prof. Anand Godbole	Prof. Jyoti Ramteke
	2020300051	Dilip Patel			
	2020300054	Pratik Pugari			
12	2020300028	Aditya Khandekar	AI Based Assistant	Prof. Anand Godbole	Prof. Jyoti Ramteke
	2020300055	Aaryan Purshot			
13	2020300036	Prabhav Mattoo	Mental Health Tracker app	Prof. Surekha Dholay	Dr. D. R. Kalbande
	2020300017	Arya Gupta			
	2020300049	Shivalik Pandita			


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14	2020300003	Eshan Chandak	E-Learning Website	Prof. Suerka Dholey	Dr. D. R. Kalbande
	2020300004	Dhaval Chheda			
	2020300014	Vansal Gehl			
15	2020300005	Madhura Chitale	Comestibles Plus - Emerging E-Sustainability	Prof. Kiran Gawande	Prof. Reeta Koshy
	2020300010	Manushree Dubey			
	2020300021	Vidhita Jagwani			
16	2020300002	Akman Ainsapure	Handgesture Detection for Automation	Prof. Kiran Gawande	Prof. Reeta Koshy
	2020300039	Shlok Mehta			
	2020300037	Smit Meghani			
17	2020300042	Sharatnu Milkhe	Blood Donation Management Portal	Prof. Jyoti Ramteke	Prof. Anand Godbole
	2020300043	Prince Mishra			
	2020300044	Nikhil Naik			
18	2020300053	Chinmay Pichad	Hangman - The Word game and AI solver	Prof. Jyoti Ramteke	Prof. Anand Godbole
	2020300056	Pranali Raghavwan			
19	2020300001	Tanin Agarwal	Freelancing WebApp	Prof. Nataasha Raul	Prof. Abhijeet Salunke
	2020300006	Shreyash Dhamane			
	2020300027	Norman Khan			
20	2020300050	Rhutik Parab	Stock Prediction WebApp	Prof. Nataasha Raul	Prof. Abhijeet Salunke
	2020300052	Jai Patel			
	2020300070	Jay Vele			
21	2020300019	Kashish Hemnajani	E-Commerce Website for the Visually Impaired	Prof. Reeta Koshy	Prof. Kiran Gawande
	2020300032	Param Kothari			
	2020300040	Kartik Menon			
22	2020300013	Chirag Girdhar	One Plate Food Finder	Prof. Reeta Koshy	Prof. Kiran Gawande
	2020300007	Khushal Dhamaka			
	2020300022	Yash Jain			
23	2020300060	Divyesh Shah	Seva-Satva App	Prof. Sunil Ghane	Prof. Pramod Bide
	2020300067	Meet Shrimankar			
	2020300071	Akshay Vhatkar			
24	2021301078	Nishitha Sharma	Smart Hospital Assistant	Prof. Sunil Ghane	Prof. Pramod Bide
	2021301080	Danish Sheikh			
25	2020300023	Jay Jani			
	2020300024	Aditya Nikamade	MovieStat Web Application	Prof. Pramod Bide	Prof. Sunil Ghane
	2020300025	Sahil Kadam			
26	2020300020	Naman Himmatramka			
	2020300026	Shubhan Kadam	Software for Exercise form Correction	Prof. Pramod Bide	Prof. Sunil Ghane
	2020300033	Aniket Kudarkar			
27	2020300038	Paras mehta			
	2020300047	keyur pancholi	Junk fit	Prof. Abhijeet Salunke	Prof. Nataasha Raul
	2020300048	sakshi pandey			
28	2020300029	Aditya Khorote			
	2020300016	Parth Gujarathi	OneHub	Prof. Abhijeet Salunke	Prof. Nataasha Raul
	2020300034	Kunal Madrecha			

Project Coordinator: Prof. Sunil Ghane

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HOD: Dr. Anant V. Nimkar

Sehanshi
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Sehanshi
Co-ordinator

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 Department of Computer Engineering
 B.Tech Project Guide for AY 2020-21

Major P

2020-21

Group id	UID	Name	Project Guide	Project Title	Category
1	2017130020	Sarah Gawde	Dr. D. R. Kalbande	Psychological distress detection, classification and assistance using AI	I
	2017130021	Arnab Ghomi			
	2017130038	Jeet Mishra			
2	2017130050	Abhisek Revadekar	Dr. D. R. Kalbande	Bidirectional Sign Language Translation	I
	2017130030	Anjali Kanvinde			
	2017130064	Maheesh Tamse			
3	2017130054	Dipam Shah	Dr. Sudhir Dhage	Cosmetic Skin Type Classification Using CNN With Product Recommendation	I
	2017130061	Takshi Soni			
	2017130034	Arya Kothari			
4	2017130001	Haresh Agarwal	Dr. Sudhir Dhage	Customer Adaptive Automated Trading System with Capital Risk Analysis using Machine Learning	I
	2017130003	Bhavya Ahir			
	2017130028	Aditi Kandoli			
5	2017130019	Jinang Gandhi	Dr. Preeti Jani	Non-Invasive Prediction of Parkinson's Disease	I
	2017130023	Aumkar Gadekar			
	2017130047	Tania Rajabally			
6	2018230066	Swati Bamble	Dr. Preeti Jani	Iris Biometric And Blockchain in Healthcare System	I
	2017130042	Anmol Pandita			
	2017130043	Pogal Shrikantreddy			
7	2017130022	Rishika Gupta	Dr. Anant V. Nimkar	Prosodic Speech Synthesis of Narratives Depicting Emotional Diversity using Deep Learning	I
	2017130027	Parth Jardosh			
	2017130056	Shloka Shah			
8	2017130039	Shreya Oak	Dr. Anant V. Nimkar	Vehicle Trajectory Tracking and Lane Change Prediction based on Driver Action Tracking	II
	2017130018	Anish Dixit			
	2017130036	Shaney Mantri			

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9	2017130026	Somil Jain	Prof. Anand Godbole	Desox: An NLP Based Euphemistic Text Substitution for Toxic Comments	I
	2017130032	Gorima Kaushik			
	2017130045	Pulin Prabhu			
10	2017130002	Aman Agarwal	Prof. Anand Godbole	RAAH.ai : An interactive chatbot for stress relief using Deep Learning and NLP	I
	2017130009	Harshit Barce			
	2017130029	Romit Kankaria			
11	2017130049	Rahul Rantekar	Prof. Surekha Dholay	Malware Detection in Banking and Financial Sector using Light Gradient Boosting Model	I
	2017130040	Anav Padhye			
	2017130005	Amandeep			
12	2017130015	Monil Dand	Prof. Surekha Dholay	Profanity Detection and Removal in Videos using Machine Learning	I
	2017130012	Apoorva Chaudhari			
	2018230068	Palak Davda			
13	2016130061	Tanishq Sharma	Prof. Kiran Gewande	MOVIEBUZZ - Movie Success Prediction System	I
	2017130017	Riya Dicholkar			
	2017130037	Sakshi Milkhe			
14	2017110020	Nikhil Jagtap	Prof. Kiran Gewande	Raga Recognition in Indian Classical Music using Deep Learning	I
	2017130053	Devansh Shah			
	2017130063	Prathmesh Talekar			
15	2017130035	Ajinkya Kudoo	Prof. Jyoti Rantekar	Real-Time Compression Artifact Reduction for Low Bandwidth Video Conferencing	I
	2017130041	Aman Paharkar			
	2017130046	Umang Prajapati			

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16	2017130052	Pooja Sangle	Prof. Jyoti Ramteke	Swindle: Predicting Loan Defaults & Personalising Loans	1
	2018230067	Sujov Banerjee			
	2018230076	Leena Shinde			
	2018230070	Divya Gavandhi			
17	2017130062	Nehal Seerti	Prof. Nataasha Raul	Maximo: A Goal Based Financial Assistant	1
	2017130011	Saumitra Chaskar			
	2017120053	Muskan Sahu			
18	2017130033	Rushabh Khara	Prof. Nataasha Raul	Police Complaint Management System using Blockchain	1
	2017130024	Ishwarlal Hingorani			
	2017130044	Deepika Pomendkar			
19	2018230071	Anisha Bharat	Prof. Reeta Koshy	Pocket Fashionista - a Complexion based Outfit Color Advisor using Neural Networks	1
	2018230077	Tejaswari Wagh			
	2017130059	Siddesh Sonawane			
20	2017130004	Amodhi Akhelikar	Prof. Reeta Koshy	Attention Detection Of Participants During Digital Learning Sessions using Edge Computing	1
	2017130058	Shyam Sodhani			
	2017130065	Dhaval Umarale			
21	2017130048	Shruti Rampure	Prof. Sunil Ghane	Autonomous Parking System with Optimized Parking Space Tracker	1
	2017130016	Tanvi Dhopre			
	2017130014	Pranav Chitale			
22	2017130006	Nishit Badve	Prof. Sunil Ghane	An Intelligent System for Evaluation of Descriptive Answers	1
	2017130007	Vinal Bagaria			
	2017130010	Manasi Beldar			
23	2018230072	Siddesh Kamble	Prof. Pramed Bide	Engagement and Emotion Analysis in Theatre using Thermal Imaging	1
	2018230073	Jayram Nandagiri			
	2018230074	Om Rajpurkar			
24	2018230069	Manan Doshi	Prof. Soni Bhambhani	Adore: Personalized Salon Experience using Machine Learning and Image Processing	1
	2018230075	Jimil Shah			
	2017130060	Rahul Soni			

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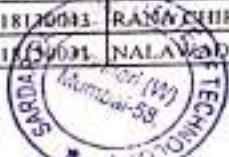
Department of Computer Engineering

Minor Project Lab TE Computer AY 2020-21



Laboratory Incharge: Prof. Surekha Dholay

Sr. No.	UID	Student Name	Project Title
1	2017130008	BALI DARSHAK S.	Women Security App
	2017130013	CHAVAN APEKSHA	
	2018130009	DAHAT HARSHAL BALRAJ	
2	2018130001	DADOLE ISHTA PRAVEEN	Tackling the Covid-19 youth employment crisis
	2018130005	DEHUDA SAKSHI JAYESH	
	2018130012	GHAIWAT AISHWARYA RAJESH	
3	2018130002	BAGEKARI PRATHAMESH	Analysis of Satellite Data for Disaster Relief
	2018130003	BHAT AKSHAT SHIYAMSUNDER	
	2018130014	HALDIA RAKA DIBYENDU	
4	2018130004	BIHORADE NAMRATA MOHAN	Vaccination Tracker
	2018130006	CHITRE NIKITA AJIT	
	2018130007	CHITRE OJASA ANAND	
5	2018130008	DADWAL ABHIR SINGH	Bed Availability Tracking in the hospitals
	2018130010	GABAJWALA EBRAHIM HUZEFA	
	2019230065	BAGAYATKAR TANAY SHRIKANT	
6	2018130013	RAJ GORIYEKAR	Fake news and profile detection
	2019230064	ANSARI MOHAMMED AFAAN	
7	2018130015	HIRANI EDRAHIM SALIM	Biased news identification
	2018130022	MAGOTRA VARUN VINOD KUMAR	
	2018130028	MEHTA VEDANT VINAY	
8	2018130016	JAIN JAINAM DEEPAK	Asse: Tracking System using Blockchain
	2018130024	MEHTA JAY DINESH	
	2018130023	MEHTA DARSHI RAJU	
9	2018130019	KAUL RISHI NILESH	Health bot
	2018130026	MEHTA PRIYAV PRAVEEN	
	2018130017	JASHNANI KHUSHI VIJAY	
10	2018130018	KALE NEHA RAJESHI	Detection of Phishing Phone Calls
	2018130020	KOCHIREKAR SHIVANGI DATTATREY	
	2018130029	MOTE RISHITA BAPU	
11	2018130027	MEHTA SHYAM JIGNESH	COVID-19
	2018130021	KOYANDE BHUSHAN PUNDALIK	
12	2019230066	LAHANGE SIDDHI ANIL	Investment recommending system
	2019230067	NALAWADE PRASHANTA PANDURANG	
	2018130025	MEHTA PRACHI NITIN	
13	2018130030	NAIK ASHUTOSH VINAYAK	A safety app
	2018130033	PAI ROHIT RAJARAM	
	2018130045	SANDESARA HARSH NIMESH	
14	2018130035	PAREKH PRERAK MANOJ	Credit card fraud detection system
	2018130043	RANA CHIRAG JITESH	
	2018130031	NALAVADE KUNAL ROHDAS	
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15	2018130032	NARGUNDE RUCHA PARAG	Automatic counterfeit currency detector
	2018130036	PATEL SHASHANK AJIT	
	2018130046	SHAH CHAITYA NIKESH	
16	2018130038	PATIL GAURAV RAVI	Animal Veterinary Care
	2018130039	PATIL SAKSHI KOMAL	
	2018130034	PARDESHI HARSHWARDHAN R.	
17	2018130037	PATEL SHREYAS NILESH	IoT based Health Monitoring System
	2019230069	SALVI VISHAL SHASHIKANT	
	2019230068	PAWAR SHIVAM ASHOK	
18	2018130040	POYEKAR BHARGAVI SUNIL	Soil analysis using IP and suggesting fertilizers and crop
	2018130041	PUROHIT MAHIPAL MOHANLAL	
	2018130044	RAO PRITAM MAHENDRA PRASAD	
19	2018130047	SHAH JAHNVI RAJESHKUMAR	Decentralised document holder
	2018130060	VATSARAJ VAIDEEJI ANANT	
20	2018130048	SHAH KARAN BHAVESH	App for people to connect with NGO's to prevent food wastage
	2019230070	SHAH JINAL KAMLESH	
	2018130054	TALATI TRUSHYA SURESH	
21	2018130049	SHAH YASH CHIRAG	Automatic Paper Evaluation system for hand written answer sheet
	2018130053	SINGH SARIIKA HIRA	
	2018130059	VAJANI YUG VIJAY	
22	2018130050	SHETTY SHUBHAM BHARAT	Mobile app for waste segregation and management
	2018130052	SINGH RITIK RAKESH	
	2018130063	VOHERA VIRAJ JIGNESH	
23	2018130051	SIDHPURA JITEN HASMUKH	Face to BMI: Facial based BMI prediction
	2018130061	VEERKHARE RUDRESH PUNYASHIL	
	2019230071	SHAH PARSHWA PRAKASH	
24	2018130056	THONGIRE ANKEET ANIL	Housing Society management
	2018130057	TOPALE PRADNYA VINU	
	2018130058	VAIDYA SOHAM JAYANT	
25	2017130051	SANGHAVI MANAV NIRAV	Fake news detection
	2018130062	VERMA SHOBHIT ATUL	



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Mini Project I Details

Group id	UID	Name	Mentor
1	2019130008	Yash Brid	Dr. D. R. Kalbande
	2019130009	Abhishek Chopra	
	2019130018	Sumeet Haldipur	
2	2019130001	Manas Abhyankar	Dr. D. R. Kalbande
	2019130002	Arbaz Ahmed Addewala	
	2019130020	Yash Jagtap	
3	2019130024	Rishabh Jain	Dr. Sudhir Dhage
	2019130026	Vedant Jolly	
	2019130058	Jniwin Shah	
4	2019130021	Jash Jain	Dr. Sudhir Dhage
	2019130022	Kashish Jain	
	2019130028	Manthan Juthani	
5	2019130055	Hrushikesh Sawarkar	Dr. Preeti Jani
	2019130057	Divya Shah	
	2019130059	Manan Shah	
6	2019130006	Soham Belurgikar	Dr. Preeti Jani
	2019130011	Divesh Choudhary	
	2019130004	Harshad Banate	
7	2019130070	Prathmesh Waghrmode	Dr. Anant V. Nimkar
	2019130064	Mayur Telrandhe	
	2019130044	Sudhanshu Narsude	
8	2019130015	Shubham Goel	Dr. Anant V. Nimkar
	2019130056	Bhavya Shah	
	2019130065	Shubham Thakar	
9	2019130047	Yash Patel	Prof. A. A. Godbole
	2019130048	Ojas Patil	
	2019130068	Himanshu Vatari	
10	2019130013	Pritam Gaikwad	Prof. A. A. Godbole
	2019130043	Aniket Narburiya	
	2019130051	Satyam Rai	
11	2019130052	Pooja Sable	Prof. Surekha Dholaj
	2019130071	Tejal Yadav	
	2018130055	Akshay Tardle	
12	2019130046	Omkar padre	Prof. Surekha Dholaj
	2020301073	Sahil Chorghe	
13	2019130003	Natal Asawa	Prof. Kiran Gawande
	2019130012	Sakshi Gadegaonkar	
	2019130029	Vedant Kadbane	

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2020 - 21



Project Coordinator: Prof. Sunil Ghane

HOD: Dr. Anant V. Nimkar



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14	2019130062	Atharva Shitole	Prof. Kiran Gawande
	2019130067	Vishal Tonde	
	2019130063	Rahul Tandel	
15	2019130017	Sejal Gurkhe	Prof. Jyoti Ramteke
	2019130039	Ishita More	
	2019130034	Sakshi Mahadik	
16	2020301072	Sanskriti Badhe	Prof. Jyoti Ramteke
	2020301074	Aryan Dhami	
	2020301077	Vidhi Rughwani	
17	2018130042	Ashish Rojguru	Prof. Jyoti Ramteke
	2020301079	Sumit Thakare	
18	2019130027	Manvita Joshi	Prof. Nataasha Raul
	2019130031	Traividya Korgaonkar	
	2019130035	Chetashri Mahajan	
19	2019130032	Madhav Lnboti	Prof. Nataasha Raul
	2019130030	Aditya Kasat	
	2018130011	Sanchit Gajam	
20	2019130036	Sahil Marwaha	Prof. Reeta Koshy
	2019130033	Daresh Lakhwani	
	2019130025	Ameya Jangam	
21	2019130050	Vivek Poojari	Prof. Reeta Koshy
	2019130053	Shashank Sarma	
	2019130054	Apurva Sarode	
22	2019130041	Vatsa Nagaria	Prof. Sunil Ghane
	2019130049	Param Patil	
	2019130040	Aditya Motwani	
23	2020301076	Mubashshira Hasan	Prof. Sunil Ghane
	2020301075	Keval Dhanani	
	2020301078	Rohan Shinde	
24	2019130042	Pranav Nair	Prof. Pramod Bide
	2019130038	Atharva Mohite	
	2019130045	Deep Nayak	
25	2019130023	Naitik Jain	Prof. Pramod Bide
	2019130061	Samveg Shah	
	2019130060	Samkit Shah	
26	2019130005	Malhar Bangdiwala	Prof. Soni Bhambar
	2019130010	Rutvik Choudhari	
	2019130037	Yashvi Mehta	
27	2019130019	Adwait Hegde	Prof. Soni Bhambar
	2019130066	Ashish Todt	
	2019130069	Vedanth Raja	

Project Coordinator: Prof. Sunil Ghane



HOD: Dr. Anant V. Nimkar

Sardar Patel Institute of Technology**Computer Engineering**

Final Year Project - VII 2019-20

Major Project-2 ISE and ESE Evaluation Marks

Project Information		Phase-3	Phase-4	ISE	ESE	Total	
Group ID	Guide	Dr. D. R. Kalbande					
2	Title	<i>Modelling Machine Learning For Analysing Crime News</i>					
	2016130022	Surabhi Ghankutkar	32.93	37.73	70.66	18	88.66
	2017230072	Pooja Gajbhiye	32.93	37.73	70.66	18	88.66
	2017230081	Sanyukta Yadav	32.93	37.73	70.66	17	87.66
	2016130059	Neelabh Sarkar	32.93	37.73	70.66	17	87.66
4	Guide	Dr. Preetida V-Jani					
	Title	<i>Sign language localisation for deaf mute people</i>					
	2016130029	Aman Kalsekar	18.66	27.4	46.06	15	61.06
	2017230074	Ankita Joil	18.66	27.4	46.06	15	61.06
5	Guide	Dr. S. N. Dhage					
	Title	<i>Image Enhancement in Security Systems using Machine Learning</i>					
	2016130047	Jinay Parekh	39	39	78	19	97
	2016130064	Poojan Turkhia	39	39	78	19	97
6	Guide	Dr. Anant Nimkar					
	Title	<i>An Approach for Social Media Sarcasm Detection based on Context</i>					
	2016130036	Anirudh Kamath	39.41	39	78.41	19.5	97.91
	2016130025	Rahul Guhekar	39.41	39	78.41	19.5	97.91
7	Guide	<i>Garbage Segregation using Image Processing</i>					
	2016130002	Vaibhav Bagri	38.84	39	77.84	19.5	97.34
	2016130050	Bhaktij Patil	38.84	39	77.84	19.5	97.34
	2016120060	Lekha Sharma	38.84	39	77.84	19.5	97.34
10	Guide	Prof. A. A. Godbole					
	Title	<i>AI based Interview Assessment</i>					
	2016130063	Divyaank Tiwari	38.26	36	74.26	19	93.26
	2016130051	Darshan Patil	38.26	36	74.26	19	93.26
11	Guide	Dr. Sudhir Jadhav					
	Title	<i>Voice-over Virtual Assistant For Personal Computers</i>					
	2017230070	Preet Dabre	39	38	77	19	96
	2016130010	Raj Chandanvaniya	39	38	77	19	96
12	Guide	Dr. Sudhir Jadhav					
	Title	<i>Predictive Crime Mapping for Smart City</i>					
	2016130033	Ira Kawthalkar	38.26	34	72.26	19	91.26
	2016130027	Siddhesh Jadhav	38.26	34	72.26	19	91.26
	Guide	Dr. Sudhir Jadhav					
	2016130028	Damnik Jain	38.26	34	72.26	19	91.26



13	Title	TRAP: Tool for Review Analysis of Product					
	2016130020	Ruchit Furia	35.94	37.03	72.97	19	91.97
	2016130021	Kaustubh Gaikwad	35.94	37.03	72.97	19	91.97
	2016130043	Kunal Mandalya	35.94	37.03	72.97	19	91.97
14	Title	<i>Recognition of Food ingredients and estimation of its nutrition value</i>					
	2016330068	Yash Trivedi	26.08	36.66	62.74	17	79.74
	2016330066	Lalit Kumawat	26.08	36.66	62.74	17	79.74
	2017230080	Nayan Pawar	26.08	36.66	62.74	16	78.74
16	Guide	Prof. Surekha Dholay					
	Title	<i>Real-Time Auto Detection of Vehicle Parking Vacancy and Pre-</i>					
	2016130032	Sarthak Kawade	35.94	38.7	74.64	17	91.64
	2016130031	Vaibhavi Kate	35.94	38.7	74.64	17	91.64
17	Title	<i>Polyphonic Music Generation using Deep Learning</i>					
	2016130004	Rushikesh Bangar	35.94	38.88	74.82	18	92.82
	2016130030	Rohit Kamble	35.94	37.73	73.67	17	90.67
	2017230071	Omkar Dongre	35.94	37.73	73.67	18	91.67
18	Title	<i>Superintendence Video Summarization</i>					
	2017230069	Tejal Chavan	35.94	37.73	73.67	17	90.67
	2017230079	Vruchika Patil	35.94	37.73	73.67	17	90.67
	2016130057	Priyanka Rokade	35.94	37.73	73.67	17	90.67
20	Guide	Prof. Kiran Gawande					
	Title	<i>Healthcare Conversational Chatbot for Medical Diagnosis</i>					
	2016330067	Rohan Jagtap	36	36	72	18	90
	2016130054	Kshitij Phulare	36	36	72	18	90
21	Guide	Prof. Jyoti Ramteke					
	Title	<i>Determining user behaviour using system calls to prevent internal</i>					
	2016130046	Piyush Pandita	31.88	36.11	67.99	18	85.99
	2016130013	Harshit Chheda	31.88	36.11	67.99	18	85.99
22	Title	<i>Hospital Finder and Evaluator</i>					
	2017230075	Pritesh Kamde	34.78	36.11	70.89	17	87.89
	2017230078	Bhavya Meghnani	34.78	36.11	70.89	17	87.89
	2016130001	Priyansh Acharya	34.78	36.11	70.89	17	87.89
23	Guide	Prof. Nataasha Raul					
	Title	<i>Intellectual text summarization using deep learning</i>					
	2016130017	Parth Dedhia	37.06	35.18	72.24	17	89.24
	2016130044	Hardik Pachgade	37.06	35.18	72.24	17	89.24
24	Guide	Prof. Reeta Koshy					
	Title	<i>Haematological Disease Identification using Image Processing and</i>					
	2016130016	Bhagyeshri Darane	36.5	34	70.5	18	88.5
	2016130055	Prathamesh Rajput	36.5	34	70.5	18	88.5

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10	2016130062	Yogesh Sondgar	36.5	34	70.5	18	88.5	
	Guide	Dr. D. R. Kalbande						
	Title	Skinred: A DermaBot based Genetic Model						
1	2.016E+09	Rebecca D'souza	37.68	38.89	76.57	18	94.57	
	2.016E+09	Ragini Patil	36.52	38.52	75.04	18	93.04	
	2.016E+09	Shubham Sahu	39.42	38.89	78.31	18	96.31	
	Title	Object Detection and Image Processing						
3	2.016E+09	Tejas Chheda	39.71	37.04	76.75	19	95.75	
	2.016E+09	Rithwika Iyer	39.13	37.04	76.17	19	95.17	
	2.016E+09	Soumya Koppaka	39.71	37.41	77.12	19	96.12	
	Guide	Dr. S. N. Dhage						
	Title	Portfolio Risk Mitigation and Assessment using Market Analysis						
8	2.016E+09	Mithil Dani	39.13	39.07	78.20	19	97.20	
	2.016E+09	Siddhesh Pai	39.13	39.07	78.20	19	97.20	
	2.016E+09	Chinmay Rane	39.13	39.07	78.20	20	98.20	
	Guide	Dr. Anant Nimkar						
	Title	Network based Approach						
9	2.016E+09	Balasubramanian	39.13	39.07	78.20	17	95.20	
	2.016E+09	Suyash Chavan	39.13	39.07	78.20	18	96.20	
	2.016E+09	Jai Puro	39.13	39.07	78.20	18	96.20	
	Guide	Prof. Surekha Dholay						
	Title	Learning						
15	2.016E+09	Kevin Doshi	37.68	37.78	75.46	17	92.46	
	2.016E+09	Shreya Gokhale	37.68	37.78	75.46	17	92.46	
	2.016E+09	Hemal Mamtora	37.68	37.78	75.46	17	92.46	
	Guide	Prof. Kiran Gawande						
	Title	Cross Language Application for Disease prediction						
19	2.016E+09	Shivani Butala	37.10	37.41	74.51	18	92.51	
	2.016E+09	Advait Lad	37.10	37.41	74.51	17	91.51	
	2.016E+09	Niket Parekh	37.10	36.67	73.77	17	90.77	
	Guide	Prof. Reeta Koshy						
	Title	Emotion and Depression detection from speech						
25	2.016E+09	Manpreet Chavan	37.68	37.96	75.64	15	90.64	
	2.016E+09	Shreya Patel	37.68	37.96	75.64	16	91.64	
	2.016E+09	Meghan Lendhe	36.81	37.22	74.03	15	89.03	
	2.016E+09	Yash Deshpande	37.68	37.96	75.64	16	91.64	

[Signature] Project Co-ordinator *[Signature]* Principal
 Sardar Patel Institute of Technology
 Bhayandar Campus,
 Munshi Nagar, Andheri (West),
 Mumbai - 400 058.

[Signature] HoD

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Bharatiya Vidya Bhawan's Sardar Patel Institute of Technology

Munshi Nagar, Andheri (West), Mumbai - 400 058

Department of Computer Engineering

Minor Project Lab TE Computer AY 2019-20



Laboratory Incharge: Dr. Anant V. Nimkar/Prof. Surekha Dholay/Prof. Sunil Ghane.

Sr. No.	UID	Student Name	Project Title
1	2017130035	Kudos Ajinkya Shirish	Drowsiness Detection System
	2017130041	Pahuskar Aman Praveen	
	2017130046	Prajapati Umang Vishnu	
2	2017130036	Mantri Shanty Pushkar	DeepFake Detection
	2017130039	Omk Shreya Vikrant	
	2017130048	Ramgure Shruti Santosh	
3	2017130037	Milkhe Sakshi Kisan	Technology 100 - An Application for Women Safety
	2017130047	Rajabally Tania Cassem	
	2017130044	Pomendkar Deepika Sitaram	
4	2017130049	Ramteke Rahul Yashwant	Application for Detection of Diabetic Retinopathy
	2017130040	Padhye Anay Nitin	
	2017130038	Mishra Jeet Kanhaiya	
5	2017130042	Pandita Anmol Ashish	Automated Irrigation and Nutrient Management System
	2017130043	Pugal Shrikantreddy R.	
	2017130045	Prabhu Pulim Pramod	
6	2017130006	Mohit Badve	Group Attendance Management System
	2017130007	Vinal Bagaria	
	2017130011	Saumitra Chaskar	
7	2017130004	Amodb Akhetkar	Smart Accident Detection and Alerting System
	2017130014	Pranav Chitale	
	2017130016	Tanvi Dhopre	
8	2017130001	Harsh Agarwal	SMART GARBAGE DISPOSAL SYSTEM
	2017130002	Aman Agrawal	
	2017130003	Bhavya Ahir	
9	2017130010	Manasi Beldar	Crop prediction and its optimal pricing
	2017130012	Apoorva Chaudhari	
	2017130017	Riya Dichwakar	
10	2017130009	Harshit	Smart Local Suburban Railway Ticket Checking System
	201730015	Monil	
	201730005	Amandeep	
11	2017130018	Anish Dixit	Detection of Flood Prone Areas by Flood Mapping of SAR Imagery
	2017130027	Porth Jardosh	
	2017130030	Anjali Kanvinde	
12	2017130023	Aumkar Gadekar	School Bus Tracking System
	2017130028	Aditi Kandoli	
	2017130032	Garima Kaushik	
13	2017130022	Rishika Gupta	Extraction of Useful Information from Unstructured Resumes Using Natural Language Processing
	2017130024	Ishwar Hingorani	
	2017130033	Rushabh Khara	

COMPS 2019-2020



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HOD: Dr. Anant V. Nimkar

14	2017130019	Jitang Gandhi	Flood Water Depth Classification Using Convolutional Neural Networks
	2017130020	Sarah Gawde	
	2017130021	Arnab Ghora	
15	2017130026	Sonali Jain	Smart Traffic Management System
	2017130029	Romit Kankaria	
	2017130034	Arya Kothari	
16	2017130050	Revadekar Abhishek Santosh	Pharma Quick: Instant Delivery system for Pharmacy
	2017130060	Soni Rahul Omprakash	
17	2017130052	Sangle Pooja Mahendra	E-Tender
	2017130054	Sonawane Siddesh Raju	
18	2017130053	Shah Devansh Parash	Speed repetition for Slow learner
	2017130056	Shah Shloka Sanjay	
	2017110020	Jagtap Nikhil	
19	2017130061	Soni Taksh Ashok	Electronic Health record system
	2017130054	Shah Dipam Hemant	
	2016130061	Sharma Tanishq Sushil	
20	2017130062	Surti Nehal Hitendra	In-bus Crowd Prediction for Public transport buses through E-Ticketing and real time Tracking
	2017130064	Tamse Mahesh Madhav	
	2017120053	Sohu Muskan	
21	2018230067	Bareja Sujoy	Personalizes Tourist places Recommender
	2018230068	Davda Palak	
	2018230070	Gavandi R Divya	
22	2017130058	Sudhani Shyam Rajesh	Interst analysis of students in class using face recognition
	2017130063	Talekar Pruthmesh Tushar	
	2017130065	Umarale Dhaval Bhurat	
22	2018230075	Shah Jimil	Analysing portfolio management system for the stock market: A quantitative research
	2018230069	Doshi Manan	
22	2018230072	Kamble Siddesh	Customer behaviour analysis for surveillance
	2018230073	Nandagiri Jayram	
	2018230074	Rajpurkar Om	
22	2018230071	Gharat Anisha	Pesticides detection from fruits, Vegetables and agriculture products
	2018230066	Bamble Swati	
22	2018230076	Shinde Leena	Food Poison Detection
	2018230077	Wagh Tejaswini	



Senthil

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HOD: Dr. Anant V. Nimkar

Sardar Patel Institute of Technology

Department of Computer Engineering

Title Submission (2018-19)

Project Guide	Group ID	Member 1	Sign	Member 2	Sign	Member 3	Sign
Dr. Prachi Gharpure	1	Sai Yerremreddy		Yash Kokate		Tejas Bhille	
	2	Jaideep Rao		Aditya Desai		Neil Daftary	
	3	Shrey Shah		Shubham Dubey		Rahul Paknikar	
Dr. S. N. Dhage	4	Aditya Gaikwad		Rutvij Mehta		Meet Gopani	
	5	Gurpreet Kaur Salmy		Abha Mutalik		Harsh Jain	
	6	Vishwa Pardeshi		Hasti Mehta		Royston D'mello	
Dr. D. R. Kalbande	7	Kamya Desai		Siddhant Parikh		Arth Patel	
	8	Madhura Gore		Ananya Navelkar		Ananya D. Ojha	
	9	Nishant Bakhrey		Riya Bakhtiani		Jainam Soni	
Dr. Anant Nimkar	10	Mandar Bhalerao		Aditya Bhave		Shlok Gujar	
	11	Priyanka Lubal		Miheer Mahadik		Simran Nayak	
	12	Kundan Patel		Tejaas Solanki		Swanand Pande	
Prof. Anand Godbole	13	Kiran Yadav		Pranav Nikam		Deepam Chavhan	
	14	Deepti Badki		Aditi Kharat		Nikita Surve	
Prof. Surekha Dholay	15	Kavita Waje		Prajakta Pawar		Pooja Jagdhane	
	16	Shubham Vishwakarma		Ankit Morajkar		Nikhil Sapa	
	17	Kunal Jain		Nishant Kabra		Shriya Khatri	
Prof. Kiran Gawande	18	Yash Gaba		Rutika Jadhav		Vaishnavi Sidhamshettiwar	
	19	Manas Shukla		Abhishek Rai		Ankur Chokhani	
Prof. Jyoti Ramteke	20	Sarvesh Patil		Chinmay Paradkar		Uthayakumar Nadar	
	21	Punit Ahuja		Rakshit Gupta		Yogesh Mahajan	
Prof. Nataasha Raul	22	Samriddha Basu		Raj Gite		Pratiksha Singh	
Prof. Reeta Koshy	23	Priya S Dhatrak		Saif Ali Kamal		-	
	24	Vinit Jain		Neha Nikam		Abhishek Padalkar	
Prof. Sunil Ghane	25	Rohan Dasharath Patil		Yadvika Mangesh Pawar		Hamsika Simki Shah	
	26	Advaitaa Shinde		Dhruv Trivedi		Shushmeni Chaudhari	

Prof. Abhijeet Salunke
Project Coordinator

Dr. Sudhir Dhage 20/11/2018
H.O.D.

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Department of Computer Engineering
Minor Project Lab TE Computer AY 2018-19



Laboratory Incharge: Dr. Anant V. Nimkar

Sr. No.	UID	Student Name	Project Title
1	2016130010	Chandvaniya Raj Suresh	Violence detection using Machine Learning
	2017230070	Dabre Preet	
	2016130009	Carvalho Ross Richard	
2	2017230069	Chavan Tejal	False Arrhythmia Alarm reduction using Machine Learning
	2016130011	Chavan Manpreet Milind	
	2016130004	Bangar Rushikesh Arjun	
3	2016130006	Bhinderwala Hussain Moiz	Diet & Health advisory Mechanism from Facial Features using machine learning
	2016130014	Chheda Tejas Jils	
	2016130001	Acharya Priyansh Ajay	
4	2016130002	Bagri Vaibhav Shyam	GPS based system for Management of Medical Emergency
	2016130003	Balasubramanian Janani B	
	2016130012	Chavan Suyash Surendra	
5	2016130007	Butala Shivani Sudesh	Special input enabled Handwriting Recognition
	2016130008	Bhat Mohit Dilip	
	2016130013	Chheda Harshit Ashish	
6	2016130020	Furia Ruchit Vipul	Garbage Detection using HAAR Cascade
	2016130021	Gaikwad Kaustubh Kishor	
	2016130017	Dedhia Parth Rajesh	
7	2017230071	Dongre Omkar	Interactive framework for Visually Impaired People
	2017230072	Gajbhiye Pooja	
	2016130025	Guhekar Rahul Hemant	
8	2016130016	Darane Bhagyeshri Madhukar	Crop Recommendation System
	2016330065	Deshpande Yash R.	
	2017230073	Ghope Pooja	
9	2016130015	Dani Mithil Nikunj	Diabetic Retinopathy Detection
	2016130018	Doshi Kevin Bhadresh	
	2016130023	Gokhale Shreya Shirish	
10	2016130019	Dsouza Rebecca Maryann L	NGO Rank Algorithm
	2016130022	Ghankutkar Surabhi Vijay	
	2016130024	Gonsalves Rohit Michael	
11	2016130029	Kalaskar Aman Ajay	Node Entities in Traffic Recognition
	2016130030	Kamble Rohit Prakash	
	2016330066	Kumawat Lalit Kumar Harish	
12	2017230075	Kamde Pritesh	Online Educational Forum with Content filtering
	2016330067	Jagtap Rohan Ramchandra	
	2017230074	Joil Ankita	
13	2016130026	Iyer Rithvika Ramesh	Smart Analysis of Medical Diagnosis using speech to Text conversion & Natural Language Processing
	2016130027	Jadhav Siddhesh Santosh	
	2016130028	Jain Damnik Mahendrakumar	

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HOD: Dr. Dhananjay Kalbande



14	2016130033	Kawthalkar Ira Sachin	Interactive Farm Scaling and Crop Planning
	2016130034	Koppaka Soumya Vasudev	
	2016130032	Kawnde Sarthak Sunil	
15	2016130031	Kate Vaibhavi Deepak	Prescription and Medical notes Analyzer
	2016130035	Kotasthane Chaitali Shrirang	
	2016130036	Kamath Anirudh Janardhan	
16	2016130041	Malani Aditya Pradip	Automatic Braking system in Train
	2016130043	Mandalay Kunal Vijay	
	2016130044	Pachgade Hardik Pradeep	
17	2017230078	Meghani Bhavya	Minimization of Noise in crowd source data for commuter safety
	2016130042	Mamtora Hemal Ketan	
	2016130047	Parekh Jinay Pankaj	
18	2016130049	Patel Shreya Girish	Genome and symptoms based Disease Prediction
	2016130037	Kurhade Mrunal Vivek	
	2016130039	Lendhe Meghan Mangesh	
19	2016130051	Patil Darshan Sudhir	Image recognition based cotton picking Bot
	2016130046	Pandita Piyush Anil	
	2016130040	Makwana Mihir Nitinbhai	
20	2016130050	Patil Bhaktij Sandesh	Crowd sourced real Time Navigation system
	2016130045	Pai Siddhesh Suresh	
21	2016130038	Lad Advait Tushar	Digital Railway checking using GPS
	2016130048	Parekh Niket Arun	
22	2016130053	Puro Jai Ramesh	ERPL: A language for Structuring Business Processes in ERP systems
	2016130056	Rane Chinmay Sushil	
	2016130060	Sharma Lekha Harishchandra	
23	2016130052	Patil Ragini Chandrakant	Assistance in Radiology using Machine Learning
	2017230079	Patil Vrushika	
	2016130058	Sahu Shubham Damodar	
24	2016130063	Tiwari Divyaank D	Qurious: A Model for spam filtering and sentiment analysis of user comments
	2016130064	Turakhia Poojan Ullas	
	2016130062	Sondagar Yogesh Jitendra	
25	2016130055	Rajput Prathamesh Pramod	Multi Pharmacy Inventory Management System
	2016130054	Phulare Kshitij Suresh	
	2016130057	Rokade Priyanka Rajiv	
26	2016330068	Trivedi Yashkumar M	Resource management using Lenear programming and Real time tracking
	2016130059	Sarkar Neelabh Tanmoy	
27	2017230080	Pawar Nayan	Live Blood search Engine
	2017230081	Yadav Sanyukta	



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Sardar Patel Institute of Technology
 Mumbra Nagar, Andheri (West), Mumbai - 400
 Department of ETRX
 B.Tech Project AY 2022-23

Group No.	Student Name	Category	Domain	Project Title	Mentor	Co-Mentor
1	Siddharth Deshpande Sumit Kulkarni Vishnavi Bhore	2	Deep learning, Image processing, IoT	Medical waste separation	RS	MRB
2	Vedant Bhangale Tirth Meghani Pukul Chaudhari	2 2 1	ML, AI, IoT, Embedded	Traffic Management for Emergency Vehicles	DCK	RRS
3	Sarvesh Bagaria Sayali Ayre Aditi Bagwe	2 1 1	Software, Mixed Reality	Immersive Gaming using Mixed Reality	NG	NAB
4	Chaitanya Padachh	2	Software, Stat Analysis, Finance	Research Paper on Impact Cost Analysis	GTH	RGS
5	Devansh Paliyath Rahul Parab Renuka Dyaawarkonda	2	Embedded, Control Sys	BLDC Motor Controller	GTH	RGS
6	Pratibha Kumar Varun Kamath Prathamesh Shelar	2	Hardware (VLSI, Power Electronics)	FPGA based digital Power supply	RRS	RGS
7	Pushkar Sutar Sruthi Shiveramakrishnan Siddhant Kamlaikar	2	Hardware & Software (Signal Processing)	Wearable Music Gloves	DCK	NG
8	Eeshaan Asodekar Arpan Nookala Aryan Solanki	2	Deep Reinforcement Learning & hardware	Intelligent Traffic Management Systems	NAB	DCK
9	Shivam Thakur Rani Tibdewal Manas Tiwari	1 2 2	Software (Computer Vision)	Violence detection early warning and control system	KTT	GTH
10	Arohi Shinde Shradha Bhagywant	2	Hardware (Microcontrollers and sensors)	Design and development of Steam Therapy Equipment	PVK	PD
11	Prathamesh Kadamb Suraj Kamtekar Dhwanik Makwana	2	Embedded Systems and Image Processing	Photographic recognition for Blind	PD	PVK
12	Hitanshu Jain Samay Gada Omkar Shinde	2	Blockchain	crowd funding using blockchain	NAB	NG
13	Chinmay Walunjkar Pooja Khismatrao Tejal Dadas	2	Software/data analysis	Automated Fault detection system for distillation columns	MRB	PS
14	Shubham Sawant Nihalika Mehta Bilal Sanj	2	Web Development & Data base Management	Web based course management system	KTT	GTH
15	Lokesh Patil Vivek Raput	2	IoT	IoT based real-time automation system	PD	PVK



Sr. No.	Name of Project	Team Leader	Team Members	Project Title	Supervisor	Co-supervisor
17	Tirth Patel Aniket Nadkarni	2	Jenil Dave Dhananjay Joshi Aditya Patwardhan	Power Electronics Single Phase Solid State Transformer Design	RGS	GTH
18	Sandeep Suthar Bhavika Vaishnavi Vinayak Tripathi	2	Analog VLSI & Neuromorphic Engineering	Bio-inspired Silicon Retina for Color Vision	PS	RS
19	Shahid Shaikh Param Mehta Malhar Varake		Data Analytics, IoT	Improving Food Supply Chain by reducing the food grain spoilage	NAB	KTT
20	Ronit Gandhi Mayur Kumar Janhavi Ramesh Dabholkar		Blockchain Development	CureChain -Blockchain based Supply Chain Solution of Medicines	PVK	PD
21	Aditya Umalkar Shivang Singh Manhas Imraz Chandiwala	2	Computer Vision	Speed Mapping for Indian Roads	MRE	KTT
22	Anushka Pilena Vaibhav Raina	2	Machine learning and embedded system	Estimation of the remaining useful life of roasting machines	PD	PVK
23	Shubham Hule Sarvesh Jare	1	Computer Vision	MPPT vs PWM	RGS	GTH
24	Apoorva Limaye Swaraj Salunkhe Ojas Patel	1	Blockchain, IoT and Web dev	Automated Fish Farming	NG	DCK
25	Aashish Jingar Nidhi Khanolkar Vinay Polewar	1	Communication	Blockchain based patient data management system	PD	PVK
26	Rahul Aishi Reeshav Guha Parth Lende	1	Analytics	Online Tiffin Services	PS	NAB
27	Pujan Soni Vivek Thakkar Danshan Taleri	1	App Development and Hardware Integration	Pollution Monitoring System	PVK	PD
28	Aastik Jadhav Divya Shringarpure Chaitana Kamalkar	2	Data Analytics	3-Step authentication of cab drivers	DCK	NAB
29	Ashutosh Sharma Sneha Ghuge	1		Strategies to improve NIRF ranking	NAB	DCK
				MEMS Based Sensor	PVK	PD

Prof. N. A. Bhaste
Project Co-ordinator

Dr. Reena Sonkusare
HoD, EXTC Dept.



Shambhu

Bharatiya Vidya Bhawan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 MUNSHI NAGAR, ANDHERI (WEST), MUMBAI - 400 058
 (Autonomous Institute Affiliated to University of Mumbai)
ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT
 Academic Year: 2022-2023 Class: T.E Electronics (Sem: VI) Course: ET308: Mini Project 2

Group	UCID No.	Name of the	PHASE - I EVALUATION	
			Title	Guide Co-Guide Marks
12	2020100037	Suruchi Madhavi	Design of Firmware for Smart Energy meter	PD/RS
	2020100039	Adriya Narayane		
	2020100047	Vedang Ranmale		
21	2020100045	Amith Prasanth	Remote Patient Monitoring Device	PVK/PHS
	2020100027	Tanisha Kalathil		
	2020100042	Kruthi Panchal		
9	2021101077	Saurabh Salvi	Water Filtration	PVK/PD
	2021101074	Om Mahukar		
	2021101075	Tejas Pardesi		
15	2020100055	Nikhil Singh	Motion and Gesture Control System	PD/PVK
	2020100007	Kundan Choudhary		
	2020100062	Aaryan Vaidya		
16	2020100010	Fenil Dodiha	Visual Recognition for the Blind and Visually Impaired	PVK/PD
	2020100026	Namita Kadam		
	2020100038	Shritiman		
5	2020100029	Teerthi Kanthe	Railway Concession Application System with Additional Features (Events Updates, Personalized Notes)	DCK/PHS
	2020100035	Sahil Lale		
	2020100048	Sono Sahu		
8	2020100011	Amresh Deshmukh	Hand Gesture Controlled Wheel chair	PHS/DCK
	2020100036	Aryam Machindar		
	2020100048	Aishwarya Sakre		
10	2021101079	Bhavesh Surve	Integrated CCTV and Gas Leak Alert System	DCK/PHS
	2020100022	Janhavi Jadhav		
	2020100006	Durvash Chaudhari		
14	2020100012	Adrika Dikshit	Sign Language to Text using ML	PHS/DCK
	2019110044	Omkar Pawar		
	2020100017	Kavatubh Girani		
3	2020100018	Kavatubh Gode	Suspicious Object Detection	KTT/MRB
	2020100025	Harshtita Jogi		
	2021101076	Nikita Patel		
13	2020100050	Shubham Upadhyay	Air Flow Detector	MRB/KTT
	2020100028	Sanket Kanjo		
	2020100019	Prathmesh Gorad		
17	2021101068	Shruni Bhosale	IoT based Solar Panel Monitoring System	KTT/MRB
	2021101069	Srushti Gavand		
	2021101070	Rahul Joshi		
18	2021101078	Sakshi Shelar	Resume Analyzer	MRB/KTT
	2021101070	Abhinav Hadole		
	2020100014	Hiba Fatima		
2	2020100034	Jay Kohi	Early detection of Parkinson's disease using DSP and ML	GTH/RGS
	2020100040	Devraj Panchal		
	2020100008	Vikram Choudhary		
4	2020100015	Gaurav Galbal	Concealed Wire Detector	RGS/GTH
	2020100054	Shreyes Shah		
	2020100032	Abhijit Khune		
7	2020100023	Wajid Jamadar	Thermal Management System	GTH/RGS
	2020100021	Amisha Jadhav		
	2020100065	Dipali Walde		
11	2020100067	Suyog Yadav	Helmholz Coil Magnetic Field	RGS/GTH
	2020100031	Sakshi Khanra		
	2020100002	Vaishnavi Arolekar		
1	2020100016	Raj Gandhi	PharmaBot	NG/NAB
	2020100064	Vyshnav Anil		
	2020100044	Jahanan Patil		
6	2020100052	Yash Sawai	Face Recognition based Door Lock System	NG/NAB
	2020100059	Shreyash Timpude		
	2020100057	Hrishikesh Tawde		
19	2020100058	Tejas Thakare	GSM Patient Health Monitoring	NAB/NG
	2020100061	Prathamesh Ursal		
	2020100001	Pranjal Agrawal		
20	2020100020	Arijan Hande	Flight Delay Predictor	NAB/NG
	2020100053	Namooh Shah		
	2020100043	Chetan Patil		
22	2020100024	Nikita Joby	RACE it	NAB/NG
	2020100056	Atharva Tadre		




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(Autonomous Institute Affiliated to University of Mumbai)
ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT
Academic Year: 2022-2023 Class: S.E (Sem: IV) Course: ET1001 Mini Project I

Group No	UCID No.	Name of the Student	Title	Mentor
B-21	2022201011	Sakshi Mehta		Dr. Y.S. Rao
	2022201016	Sanya Pathre	IoT based safety kit for mining workers	
	2022201014	Roshan Patel		
A-20	2021200079	Rohan Dholal		Dr. Rajendra Sawant
	2022201005	Vipul Chavas		
	2022201006	Jayesh Chavas		
B-18	2021200066	Milind Mali	Input Signal Conditioning Interface for Smart Energy Meter	Dr. Reena Sonkware
	2021200070	Suddhanth Mhaskar		
	2021200066	Aditya Parmerkar		
B-20	2022201015	Parth Patil	Control system design for pressure induction casting gold	Dr. Reena Sonkware
	2022201019	Anush Santhosh		
	2022201020	Anish Sechal		
B-11	2021200108	Akash Sharma	Smart Energy Meter	Dr. Reena Sonkware
	2021200109	Vash Shinde		
	2021200111	Aditya Seneani		
B-12	2021200105	Tanish Saldeo	Dual Axis Solar Tracking System	Dr. Reena Sonkware
	2021200104	Devansh Salvi		
	2021200103	Mihir Ruprai		
B-7	2021200069	Jyoti Mehta	Wireless Charger	Dr. Sakanya Kulkarni
	2021200079	Devanshi Padhye		
	2021200128	Mrunank Warkhade		
B-9	2021200083	Javalk Parikh	Smart waste segregation system	Dr. Sakanya Kulkarni
	2021200088	Om Patil		
	2021200083	Freyes Parikh		
B-3	2021200088	Neel Patel	Agricultural Drone	Dr. Sujata Kulkarni
	2021200090	Sejal Patel		
	2021200093	Malav Phadke		
B-5	2021200073	Avyash Naik	Earthquake and Damage detection System	Dr. Sujata Kulkarni
	2021200076	Gauri Narkar		
	2021200135	Siddhar Sontakar		
A-17	2021200023	Moksh Dalvi	Rubber Duckie Bed USB	Dr. Sujata Kulkarni
	2021200095	Jadeep Balde		
	2021200101	Abhishek Ratnay	single sign-on service	
B-1	2021200110	Shubham Sinha		Dr. Reena Sonkware
	2021200126	Ponniki Waghmode		
	2021200089	Sanchit Patel	LPG Monitoring system (includes leak detector)	
B-2	2021200092	Sayee Pendekar		

Group No	UCID No.	Name of the Student	Title	Mentor
A-2	2021200009	Vedant Bhagwat	Lyder in Dresses	Prof. Kiran Talek
	2021200060	Gundbir Kulkarni		
	2021200045	Rajivendra Joshi		
B-22	2022201021	Rishabh Suryawanshi	Weather Monitoring System	Dr. Rajendra Sutar
	2022201012	Rashikesh Mahale		
	2022201018	Vineet Pandpal		
A-4	2021200044	Aditya Ingolekar	Health monitoring using Robot	Dr. Rajendra Sutar
	2021200048	Kewal Kade		
	2021200046	Aditya Kadam		
B-17	2021200118	Sahil Tayde	Fabrication Of Robotic Arm For Fruit Harvesting	Dr. Deepak Karia
	2021200091	Sakshi Pawane		
	2021200177	Utkarsha Waghmode		
A-5	2021200009	Sarthak Bansal	Smart Security System	Dr. Deepak Karia
	2021200052	Soham Kapadi		
	2021200053	Prathamesh Kapodar		
B-14	2021200124	Swarnika Verma	IoT Based Bridge Health Monitoring & Alerting System	Dr. Narendra Bhagat
	2021200125	Tanmay Wadherkar		
	2021200129	Omkar Yadav		
A-8	2021200058	Atharv Bhagwat	Face recognition attendance system	Dr. Narendra Bhagat
	2021200027	Nimmyan Devadiga		
	2021200047	Sanyog Kadam		
A-24	2021200053	Govind Kalra	Smart AC Controller using IoT	Dr. Prashant Kasarwade
	2021200056	Aniket Kesarwani		
	2021200051	Aditya Kharat		
A-13	2021200029	Nidhika Deshpande	Portable IoT enabled Finger print based Attendance System for SE EXTC Club	Dr. Prashant Kasarwade
	2021200055	Shreya Chende		
	2021200034	Jasheri Choge		
A-15	2022201008	Rohit Hahlikar	Design and development of control system for ocean therapy equipment	Dr. Prashant Kasarwade
	2022201009	Vaibhav Jadhav		
	2022201011	Sailesh Kordle		
A-22	2021200051	Malavika Kanade	Telemetry system for F1 and F5 cars mapping for dvs	Prof. Govind Malankar
	2021200058	Esha Khot		
	2021200059	Hanshika Konwarne		
B-1	2021200073	Prachi Bhagat	Fruit raw and ripe detection using acoustic/vibration analysis	Prof. Govind Malankar
	2021200081	Vanya Athalye		
	2021200002	Hrushik Aglave		



*(Project sheet)
Mini Project-I Co-ordination*

Dr. Reena Sonkware

	2021200027	Akash Prasad	Prof. Manish Parmar				
B-13	2021200100	Aditya Katre					
	2021200106	Snapnil Sawant	Sign to voice converting glove for mute people				
	2021200113	Shubham Surve					
B-4	2021200116	Gavay Tariq	Use of drone for rescue mission	Dr. Anand Mane			
	2021200121	Varuna Vangala					
	2021200120	Yash Udgade					
B-15	2021200067	Rushabh Marwarkar	Wifi Controlled electric Appliance.				
	2021200081	Aloksh Pandey					
	2021200077	Jayan Nigunte					
B-16	2021200068	Siddhi Mardhekar	Speed detector Vehicle	Prof. Milind Patnayek			
	2021200071	Bhavini Mushe					
	2021200122	Mangesh Varma					
B-19	2021200078	Dev Oza	Smart Solar Tracking Irrigation system				
	2021200072	Mihir Malyal					
	2021200075	Vineesh Namnekar					
A-10	2021200016	Krunal Bundele	Lift	Prof. Pallavi Nair			
	2021200049	Kishore Kakade					
	2021200062	Sonal Kokare					
A-23	2021200017	Bhuwantha Chafekar	Contactless Attendance System				
	2021200026	Krito D'Costa					
	2021200063	Saket Lad					
B-24	2021200099	Adith Ramugade	Radio Frequency Anten	Dr. Amol Deshpande			
	2021200102	Rohit Raut					
	2021200107	Sujay Sanvedi					
A-15	2021200050	Tejas Kamble	River/Lake trash collector boat				
	2021200054	Sarthak Kashare					
	2021200045	Gomkar Lekne					
B-6	2021200119	Satyam Tiwari	Automatic Package Segregation Machine				
	2021200117	Rudra Talekar					
	2021200098	Pranav Raina					
B-9	2021200094	Mayuresh Pingle	Smart Agriculture Using IOT				
	2021200095	Dinesh Podar					
	2021200096	Shruti Prakku					
A-6	2021200011	Mheetesh Bhandarkar	ESP8266 based Smart Plug to Make Your Home Appliances IoT Enabled	Prof. Sneha Wealey			
	2021200013	Vedant Bhatre					
	2021200043	Aanya Jogalekar					
	2022201022	Oum Tipare	IOT based greenhouse monitoring and control system				
B-23	2022201023	Priyanka Waghmare					
	2022201017	Ankit Prajapati					
	2021200074	Ratanraj Narayankar	EVM				
	2021200081	Karan Panikatti					
B-25	2021200110	Sejal Zade					



Sneha Wealey

HEAD OF DEPARTMENT
Department of Electronic & Telecommunication
SARDAR PATEL INSTITUTE OF TECHNOLOGY
Mumbai Nagar, Andheri (W) Mumbai

Piyush Shah
(Piyush Shah)
Mr. A. Priy. I (co-ordinator)

Sneha Wealey
(Sneha Wealey)

Sardar Patel Institute of Technology

Class: BTech, Electronics

Category 1-BTech Project Topic Approval -Prephase Presentations-Sem VII-(Academic Year 2021-2022)

Group No	UID	Name of Student	Title of Project	Guide	Co-Guide	Dept.Expert
1	A 2019210070	Kunal Sanghvi	Universal E-Bike Portable Charger	Dr. Karia	Prof. Priya	Prof. Haldankar
	B 2019210073	Nisha Vasant				
	C 2018110060	Shichi Upadhyay				
2	A 2018110027	Vivek Mandal	Deep Learning based Self Driving Robotic Car	Prof. Talele	Prof. Priya	Prof. Manisha
	B 2018110017	Archis Gune				
	C 2018110024	Divit Kalathil				
3	A 2018110002	Shreetha Agarwal	Bioinspired Visual Processing system	Dr.Rathod	Prof. Payal	Prof. Bhagat
	B 2018110059	Netra Trivedi				
	C 2018110016	Shreya Gokhale				
4	A 2019210066	Adhik mewada	Healthtronics Ally: A Remote IoT Monitoring System	Prof. Priya	Dr. Karia	Prof. Haldankar
	B 2018110056	Shlok Tadilkar				
	C 2018110054	Vivek Shetty				
5	A 2018110050	Mohil Sarvankar	Smart contract for NGO's and Startups using Blockchain	Prof. Payal	Dr.Rathod	Prof. Bhagat
	B 2018110057	Aditya Tarade				
	C 2018110063	Viraj Wasnik				
6	A 2018110058	Niraj Thorat	AI based healthcare chatbot	Prof. Najib	Prof. Bhagat	Dr. Karia
	B 2019210064	Manali Berde				
	C 2019210065	Sayali Ghorpade				
7	A 2018110001	Harsh Agarwal	Self Driving Cars Simulation	Prof. Payal	Dr.Rathod	Prof. Bhagat
	B 2018110013	Navya Fadia				
	C 2018110014	Aakanksha Garg				
8	A 2018110022	Kush Jain	Smart Programmable IoT SwitchBox for Home Appliances	Prof. Haldankar	Prof.Kasamabe	Dr.Sutar
	B 2018110033	Akshay Pasari				
	C 2018110046	Karan Sanghavi				
	A 2018110043	Jyotil Patel	ERP for Course Outcomes Attainment	Prof.Kasamabe	Dr.Sutar	Prof. Haldankar
	B 2018110054	Rishi Mehta				

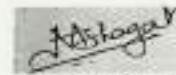


Group No	UID	Name of Student	Title of Project	Guide	Co-Guide	Dept.Expert
9 C	2017110037	Abhivyakti Parihar	SMART COVID-19 AUTOMATED DOOR OPENING SYSTEM			
	A 2018110034	Gaurav Patil		Prof. Talele	Prof. Manisha	-
	B 2018110035	Harshada Patil	Online Tiffin Services			
10 C	2018110048	Sanika Sankhe		Prof. Bhagat	Prof. Najib	Dr. Karia
	A 2018110004	Pranav Aher	Breast Cancer Detection using Digital Thermography			
	B 2018110006	Leena Badgujar		Prof. Priya	Prof. Talele	Prof. Manisha
11 C	2018110012	Laukik Deshmukh	Real-time College Enquiry Chatbot			
	A 2018110007	Chiraya Betkekar		Prof. Bhagat	Prof. Najib	Dr. Karia
	B 2018110049	Shriya Sansare	Solar Power Load Scheduling Using Predictive Analysis			
12 C	2018110062	Omkar Vanudkar		Dr.Sutar	Prof.Kasamabe	Prof. Haldankar
	A 2018110037	Pranjal Pimpale	Prosthetic Arm			
	B 2018110043	Kaushik Reddy		Dr.Sutar	Prof.Kasamabe	Prof. Haldankar
13 C	2018110044	Sanchit Rote	HEALTH MONITORING SMART WATCH			
	A 2018110015	Kushagra Gautam		Prof. Manisha	Prof. Talele	-
	B 2018110029	Krish Mankar	Computational Drug discovery using Cheminformatics			
14 C	2018110032	Vedang Natu		Prof.Kasamabe	Dr.Sutar	Prof. Haldankar
	A 2018110031	Isha Naik	Implementation of Retinal Pathway			
	B 2019210068	Trisha Patel		Dr.Rathod	Prof. Payal	Prof. Bhagat
15 C	2017110049	Divya Raut	IOT based Smart Parking System			
	A 2016110004	Tanmay Bhalerao		Prof. Haldankar	Prof.Kasamabe	Dr.Sutar
	B 2016310063	Satish Yadav				
16 C	2019210067	Aarti Nandurkar				
	A 2018110053	Prasheel Shah				
	B 2018110055	Shubham Shigavan				
17 C	2018110061	Kuldeep Vaishnav				
	A 201811028	Shauryavir Manhas				
	B 2018110041	Raviraj Randive				
	C 2018110051	Satvik Sawant				
	A 2018110018	Akash Hake				
	B 2018110045	Amolina Samanta				
19 C	2018110021	Snehil Kumar				

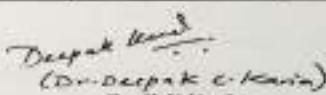


Braudhayan

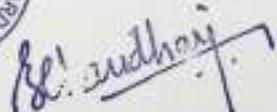
Group No	UID	Name of Student	Title of Project	Guide	Co-Guide	Dept.Expert
20	A 2018110038	Seniti Poddar	PhishGuard - An Automated Web Phishing Detection System			
	B 2018120001	Priya Agarwal		Dr. Karia	Prof. Bhagat	--
	C 2018120050	Harsh Salkar				
21	A 2018110003	Harsh Agrawal	Securitizing Micro-Credits using Blockchain.			
	B 2018110008	Arnav Chaudhari		Dr. Karia	Prof. Najib	Prof. Bhagat
	C 2018110047	Mohnish Sankhe				
22	A 2018110052	Aditya Shah	SMART APPROACH STUDENT RECORDS			
	B 2019210072	Prathamesh Talewar		Prof. Haldankar	Dr. Sutar	Prof. Kasamabe
	C					
23	A 2018110039	Shravani Rahise	CoMart: Daily Necessity Price Comparison Application			
	B 2018110009	Swapnil Dabre		Prof. Manisha	Prof. Talele	--
	C 2018110005	Ayush Ashok Asawa				
24	A 2019210071	Anjali Shinde	Day to Day Selfcare Mobile Assistant: A Professional Approach			
	B 2019210069	Krutika Patkar		Prof. Najib	Prof. Bhagat	Dr. Karia
	C 2018110021	Rhithik Jain				


Prof. N.A. Bhagat

co ordinator


(Dr. Deepak C. Karia)
Dr. D.C. Karia
HoD, ETRX Dept.




Dr. D.C. Karia

Sardar Patel Institute of Technology

Class: BTech. Electronics

Category 2-BTech Project Topic Approval -Prephase Presentations-Sem VII-(Academic Year 2021-2022)

Group No	UID	Name of Student	Title of Project	Guide	Co-Guide
I	A B C	2018110011 Rishona Daniel 2018110020 Aishwarya Jagare 2018110023 Radhika Joglekar	Design of 8 bit Flash ADC	Dr. Surendra Rathod <i>Ashtagat</i> Dr. Bhupika Karla M.E. Ph.D. (ECE) Assistant Professor Head of Department Sardar Patel Institute of Technology Mumbai, India, Author IIT, Mumbai - 400 098.	Prof. Payal Shah
		Prof. N A Bhagat co ordinator		Dr. D.C.Karia HoD, ETRX Dept.	



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SARDAR PATEL INSTITUTE OF TECHNOLOGY
 MUNSHI KAJAR, ANDHERI (WEST), MUMBAI - 400 054
 (Autonomous Institute Affiliated to University of Mumbai)
ELECTRONICS ENGINEERING DEPARTMENT

Academic Year: 2021-2022

Class: 5.E (Year: IV)

Course: ET200: Mini Project I

No.	Group No.	UCM No.	Name of Student/ Group members	Final Title of the Project	Monitor	Internal Expert
1	1	2021000491	Dinesh Patel	Wastage monitoring system for solid wastes	Prof. A. S. Patil	Dr. D. V. Kulkarni
2		2021000508	Nishant Mahadev			
3		2021000510	Sandeep Patel			
4	2	2021000512	Savita Mehta	Pulse, Medicine Design Device	Prof. A. S. Patil	Dr. D. V. Kulkarni
5		2021000514	Ashita Naikane			
6		2021000517	Vishal Bansode			
7		2021000519	Rakesh Patel			
8	3	2021000521	Snehal Patel	Temperature Controlled DC Fan using Microcontroller	Prof. A. S. Patil	Prof. D. V. Kulkarni
9		2021000522	Nikhil Patel			
10		2021000524	Nivedita Kapade			
11	4	2021000525	Rajesh Patel	Automatic Rice Boiler	Prof. A. S. Patil	Prof. D. V. Kulkarni
12		2021000527	Ashita Khatri			
13		2021000528	Snehal Patel			
14	5	2021000531	Parvat Patel	Solar based traffic light control system	Prof. A. S. Patil	Dr. S. S. Patil
15		2021000532	Hirav Patel			
16		2021000533	Savita Shinde			
17	6	2021000536	Vikram Chaudhari	Household Electrical Safety Device	Prof. A. S. Patil	Prof. D. V. Kulkarni
18		2021000537	Ashita Patel			
19		2021000539	Savita Thakare			
20	7	2021000541	Faizika Patel	Portable Water Purifier	Prof. A. S. Patil	Prof. D. V. Kulkarni
21		2021000542	Savita Patel			
22		2021000543	Craig Vaidya			
23	8	2021000546	Fiona Devi	Design and development of IoT enabled household physiological parameter measurement device	Prof. A. S. Patil	Prof. D. V. Kulkarni
24		2021000548	Minal Patel			
25		2021000549	Shreya Jogi			
26	9	2021000553	Gargi Patel	High speed photography	Prof. A. S. Patil	Prof. D. V. Kulkarni
27		2021000557	Saurabh Patel			
28		2021000558	Himanta Jogi			
29	10	2021000559	Kavita Godse	Robot Replicated System	Prof. A. S. Patil	Prof. D. V. Kulkarni
30		2021000560	Nanita Kulkarni			
31		2021000561	Anjali Patel			
32	11	2021000564	Kavita Patel	Waste Segregation using IoT	Prof. A. S. Patil	Prof. Mayurika Deshmukh
33		2021000565	Aayush Patel			
34		2021000566	Devansh Rautkar			
35	12	2021000567	Hrushikesh Tende	Automatic Street Light System	Prof. A. S. Patil	Prof. Mayurika Deshmukh
36		2021000568	Prashant Patel			
37		2021000569	Arunika Jadhav			
38	13	2021000571	Neha Deshmukh	Smart Fan	Prof. A. S. Patil	Prof. Neeraj Gajre
39		2021000574	Umesh Patel			
40		2021000575	Deeksha Patel			
41	14	2021000587	Sneha Govard	Emergency alert for women safety	Prof. A. S. Patil	Prof. Neeraj Gajre
42		2021000588	Sneha Bhandarkar			
43		2021000589	Monika Khopale			
44	15	2021000595	Hannah Naing	Smart Attendance System	Prof. A. S. Patil	Prof. Neeraj Gajre
45		2021000597	Umesh Patel			
46		2021000598	Sapna Sathe			
47	16	2021000603	Akhilesh Bhagat	IoT Based Smart waste level indicator and control	Prof. A. S. Patil	Prof. Neeraj Gajre
48		2021000605	Tanmay Khamkar			
49		2021000606	Nanita Kulkarni			
50	17	2021000607	Aayush Patel	Discord bot	Prof. A. S. Patil	Prof. Neeraj Gajre
51		2021000608	Abhijith Upadhyay			
52		2021000609	Jahan Patel			
53	18	2021000610	Sakshi Patel	Security-based visual border maintenance	Prof. A. S. Patil	Prof. Neeraj Gajre
54		2021000611	Ayush Patel	management		
55		2021000612	Sneha Patel			
56	19	2021000613	Ashita Patel	Rock it Me Up	Prof. A. S. Patil	Prof. Neeraj Gajre
57		2021000614	Ashita Patel			
58		2021000615	Nishit Singh			
59	20	2021000617	Vishwanath Joshi	Home Security System using RFID	Prof. Mayurika Deshmukh	Prof. A. S. Patil
60		2021000618	Raj Gaikwad			
61		2021000619	Yashwant Joshi			

*Renu
(Renu Patel)
(Mini Proj-I Coordinator)*

*Shubhaji Depak Kulkarni
(D.C.Kulkarni)*



Bhatia Vidyashram's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 MUNSHI NAGAR, ANDHERI (WEST), MUMBAI - 400 058
 (Autonomous Institute Affiliated to University of Mumbai)
ELECTRONICS ENGINEERING DEPARTMENT

Academic Year: 2021-2022

Class: S.E (Sem: IV)

Course: ET208: Mini Project I

Sl. No.	Group No.	UID No.	Name of Student/ Group members	Final Title of the Project	Mentor	Internal Expert
62	21	2020100029	Tushu Kavathe	Blockchain based decent chain Voting Application	Prof. Meenakshi Barotrao	Prof. K. J. Patel
63		2020100048	Nisha Salve			
64	22	2020100054	Ivy Kolte	Solar based mobile charger	Dr. N. S. H. Patel	Prof. Patel Shrikant
65		2020100059	Prajwal Patel			
66	23	2020100060	Dipak Walde	Soil Testing System for Agriculture	Prof. Neelam Chaitanya	Prof. Patel Shrikant
67		2020100067	Suraj Yadav			
68	24	2020100078	Tushu Shukare	Dust Assistance Smart Speaker (DASSI)	Prof. P. V. Kavathe	Prof. Patel Shrikant
69		2020100084	Shreyas Shah			
70	25	2021101078	Sakshi Shinde	Robotic Arm	Prof. Sudhir Patil	Prof. Patel Shrikant
71		2020100094	Rajiv Bapse			
72		2020100095	Darsodi Chaitanya			
73		2020100098	Arun Harsad			
74		2021101071	Shreyash Kokate		Prof. Sudhir Patil	Prof. Patel Shrikant
75		2021101071	Rajesh Joshi			
76		2021101079	Nitensai Hadole			

Rebukh
 (Payal Patel)
 (Mini Proj. I Co-ordinator)

Deputy Head
 (D.c. Icaria).

Dr. Deepak Marla

M.S. (Tech) M.Tech (Electronics)

Head of Department

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Title of Project	Group No.	Name of Student	Project Guide/ Project Co-Guide	Domain of Work
3-Step Authentication of Cab Drivers	1	A Pujan Soni	Dr. Deepak Karia/ Prof. Najib Ghatte	Signal and Image Processing
		B Darshan Tater		
		C Vivek Thakkar		
Fingerprint authentication for campus resources	2	A Shivam Thakur	Dr. RG Sutar/ Prof. GT Haldankar	Robotics and Instrumentation
		B Ashutosh Sharma		
Home Automation using offline speech recognition (VEghnaHArta)	3	A Dhiraj Nagvekar	Dr. RG Sutar/ Prof. GT Haldankar	Signal and Image Processing
		B Parth Lende		
		C Bhushan Gaikwad		
GSM based Satellite Location Tracking System.	4	A Pulkit Chaudhari	Dr. RG Sutar/ Prof. GT Haldankar	Signal and Image Processing
		B Sneha Ghuge		

PROF. NAJIB GHATTE
 (Professor, M. E. Electronics)
 Project Co-ordinator
 Electronics Department
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Signature of HoD

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 M.E., Ph.D. (WITS, Mumbai)
 Head of Electronics Engineering Department
 Shrawan Kumar Bhavnani's
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 Munshi Nagar, Andheri (W), Mumbai - 400 058.

Sardar Patel Institute of Technology
Class: B.E. Electronics(Academic Year 2020-21)

Roll No.	Name of Student	Title of Project	Category 1	
			Guide Name	co-guide
2017110000	Aniket Achrekar		Priya Deshpande	F. V. Kansane
2017110004	Chirayu Bapat			
2017110058	Kriti Thakur			
2018210072	Vishal Kharade		Dr. S. S. Rathod	
2018210075	Shweta Pandit			
2018210077	Hasti Rashed			
2017110048	Mansoor Ravaravane		Dr. S. S. Rathod	N A Bhagat
2018210074	Mansi Muleyata			
2018210079	Ria Shah			
2014210018	Heet Soni			Najib Ghate
2016210080	Dinkar Thorpe			
2018210081	Vishal Wagle		Minalsha Bansodar	
2011110005	Mukti Bathale			
2017110058	Rahil Bhave		Dr. R. G. Satar	
2017110071	Prashant Dabhe			
2017110032	Varun Mitale			
2017110033	Nitin Bokde		K.T. Talele	
2017110064	Vishwesh Vesale			
2017110038	Sourabh Kalantri			
2017110027	Swagat Khanekar		P. V. Kansane	Najib Ghate
2017110056	Sukuth Ranawat			
2017110047	Kishore Rakar			
2017110048	Dinkar Patil		Minalsha Bansodar	
2017110051	Vedant Sapte			
2017110048	Rahul Ramasubramaniam		K.T. Talele	
2017110043	Ayush Parande			
2017110052	Chaitra Shinde		Priya Deshpande	
2017110038	Dnyanesh Patil			
2017110061	Umesh Patil		Dr. R. G. Satar	
2017110053	Nayana Shinde			
2018210070	Sundarit Malam			
2018210068	Poojashree Jadhav			
2018210071	Nehid Karim		payal shah	
2018210073	Shivaji Muleyata			
2018210065	Sneha Shantale		P. V. Kansane	
2018210067	Rani Fadke			
2017110018	Sohil Chhetri			
2017110028	Siddhant Kumar		Najib Ghate	
2017110025	Anuska Pawar		Dr. D.C.Karla	
2017110001	Siddhant Advani			Dr. D.C.Karla
2017110014	Jayantra Pugade		Priya Deshpande	
2017110024	Akash Jumadekar			
2017110055	Aditya Shinde		N A Bhagat	
2017110048	Tanisha Taliwar			
2017110057	Neelaya Tarantkar			
2017110032	Rakesh Jain		N A Bhagat	
2017110054	Gaurang Shinde			
2017110062	Sameey Venkate			
2017110003	Sanket Aronale			
2017110001	Prashit Mane			
2017110086	Manisha Vangalakar		Dr. D.C.Karla	K.T. Talele 2
2017110042	Shreya Patkar			
2017110025	Aarita Kapokar		N A Bhagat	
2017110038	Prasad Parlikar			
2017110017	Dinkar Gaikwad			
2018210068	Krushna Chhatre		Dr. S. S. Rathod	
2017110013	Rajesh Deshpande		P. V. Kansane	
2017110023	Manya Jain			
2016310062	Yashaswini Duleg		G.T. Haldankar	
2018210023	Sugar Jayshree			
2017110041	Rahul Patil			
2018210076	Deepta Jadhav		payal shah	
2018210042	Shreya Warkar			Dr. S. S. Rathod
2017110008	Dennish Bihari			
2017110044	Shreyas Patil		Dr. D.C.Karla	
2018210038	Ria Mognara			
N A Bhagat				
Co-ordinator				

Tutor's Note
(Signature or Hand)
Dr. D.C.Karla
H.O.D



454

Abhayan Bhandari

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Sardar Patel Institute of Technology
 Class: B.E. Electronics(Academic Year 2020-21)

Category 2

Group No.	U.D.	Name of Student	Title of Project	Guide Name	Cie Guide Name
1	A	2017110015	Lance Fernandes		
	B	2017110065	Vinay Vishwanath		
	C	2017110012	Varikar Deshmukh	Pratik Shah	Dr. S. S. Rathod
2	A	2017110034	Spanish Patilwala		
	B	2017110045	Ganesh Patil		
	C			G. Thakkerkar	Najib Ghadre
3	A	2017110007	Rugved Shinde		
	B	2017110008	Archit Shinde		
	C	2017110030	Arthur Mane	K. T. Talele T.	
4	A	2017110058	Gaurav Upasani		
	B	2017110059	Vishnav Patel		
	C			Dr. R. G. Patel	G. Thakkerkar

Attagat

N A Bhagat
 co author

Project No. 1
 (Dr. George R. S. Mane)

Dr. D. C. Kara
 HOD

Attagat

Re



WCC

ARP ('2020-2021) Final Project List-ODD Semester

Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
1	A	2019210066 Adhik Mewada	Smart Flow Programming Language	Dr. S.S. Rathod(M) and Prof. Payal Shah(CM)
	B	2018110054 Vivek Shetty		
	C	2018110056 Shlok Tadikar		
2	A	2019110073 Nisha Vasant	Seeing Wand for the blind	Dr. D.C. Karia(M) and Prof. Najib Ghatte(CM)
	B	2018110047 Mohnish Sankhe		
	C	2018110058 Niraj Throat		
3	A	2019210070 Kunal Sanghvi	Smart Parking Solutions for On-Street and Off-Street Parking	Prof. Payal Shah(M) and Dr. S.S. Rathod(CM)
	B	2018110053 Prasheel Shah		
	C	2018110052 Aditya Shah		
4	A	2018110055 Shubham Shigavan	Hand bone age estimation	Prof. G.T. Haldankar(M) and Prof P.A. Deshpande(CM)
	B	2019210067 Aarti Nandurkar		
	C	2019210072 Prathamesh Talewar		
5	A	2018110001 Harsh Agarwal	Automatic Hand Sanitizer Dispenser	Dr. D.C. Karia(M) and Prof. N.A. Bhagat(CM)
	B	2019210064 Manali Berde		
	C	2019210065 Sayali Ghorpade		
6	A	2019210069 Krutika Patkar	IoT Based Smart Door Lock System with automatic hand sanitization	Prof. N.A. Bhagat(M) and Dr. D.C. Karia(CM)
	B	2018110006 Leena Badgujar		
	C	2019210071 Anjali Shinde		
7	A	2018110003 Shrestha Agarwal	Concentration Detection using EEG waves	Dr. R. G. Sutar(M) and Prof. Priya(CM)
	B	2018110029 Krish Mankar		
	C	2018110032 Vedang Natu		
8	A	2018110011 Rishona Daniels	FPGA Based Real Time Fire Incident Monitoring System	Dr. S.S. Rathod(M) and Prof. Payal Shah(CM)
	B	2018110020 Aishwarya Jagare		
	C	2018110023 Radhika Joglekar		
9	A	2016110043 Jaynil Patel	Braille Optical Character Recognizer for the blind	Dr. S.S. Rathod(M)
	B	2016110039 Atish Mahajan		

Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
10	A	2018110062	Omkar Varudkar	Prof Priya(M) and Prof. G.T. Haldankar(CM)
	B	2018110007	Chirayu Betkekar	
	C	2018110049	Shriya Sansare	
11	A	2018110004	Pranav Aher	Prof. P.V. Kasambe(M) and Dr. R.G. Sutar(CM)
	B	2018110050	Mohil Sarvankar	
	C	2018110063	Viraj Wasnik	
12	A	2018110059	Netra Trivedi	Prof Najib Ghatte(M) and Dr. D.C. Karia(CM)
	B	2018110031	Isha Naik	
	C	2018110013	Navya Fadia	
13	A	2018110037	Pranjal Pimpale	Prof. G.T. Haldankar(M) and Prof Priya(CM)
	B	2018110043	Kaushik Reddy	
	C	2018110044	Sanchit Rote	
14	A	2018110015	Kushagra Gautam	Prof. K.T. Talele (M) and Prof. M.R. Bansode(CM)
	B	2018110016	Shreya Gokhale	
	C	2018110014	Aakanksha Garg	
15	A	2016110004	Tanmay Bhalerao	Dr. R.G. Sutar(M) and Prof. P.V. Kasambe(CM)
	B	2016310063	Satish Yadav	
	C			
16	A	2018110045	Amolina Samanta	Dr. R.G. Sutar(M) and Prof. P.V. Kasambe(CM)
	B	2018110018	Akash Hake	
	C			
17	A	2018110024	Divit Kalathil	Prof. K.T. Talele (M) and Prof. M.R. Bansode(CM)
	B	2018110057	Aditya Tarade	
	C	2018110061	Kuldeep Vaishnav	
18	A	2018110009	Swapnil Dabre	Prof. P.V. Kasambe(M) and Dr. R.G. Sutar(CM)
	B	2018110012	Laukik Deshmukh	
	C	2018110017	Archis Gune	
19	A	2018110034	Gaurav Patil	Prof Najib Ghatte(M) and Dr. D.C. Karia(CM)
	B	2018110035	Harshada Patil	

Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
20	A B C	2018110027 Vivek Mandal 2018110005 Avish Agarwal 2018110039 Shrawan Rohise	Borrow and Lend Management System	Prof N.A. Bhagat(M) and Dr. D.C. Karmal(CM)
21	A B C	2018110046 Karan Sanghavi 2018110033 Akshay Passan 2018110021 Hritik Jain	Digital IC tester	Prof. M.R. Bansode(M) and Prof. K.T. Talele(CM)
22	A B C	2018110022 Kush Jain 2018110025 Shehil Kumar 2018110060 Shiloh Upadhyav	Electronic - Biometric Supported Locking System	Dr. D.C. Karia(M) and Prof. Naresh Ghattie(CM)
23	A B C	2018110038 Smit Poddar 2018110009 Harsh Agrawal 2018110008 Arman Chaudhari	Smart Accident Alert System	Prof. M.R. Bansode(M) and Prof. K.T. Talele(CM)
24	A B C	2017110049 Divya Raut 2018110029 Priyam Malhotra 2019210068 Trisha Patel	GSM based irrigation system	Prof N.A. Bhagat(M) and Prof. G.T. Haldankar (CM)
25	A B C	2018110028 Shauryavir Singh Manhas 2018110041 Raviraj Randive 2018110051 Savik Sawant	Modern Customer Shopping Experience	Prof Priya(M) and Prof. G.T. Haldankar(CM)

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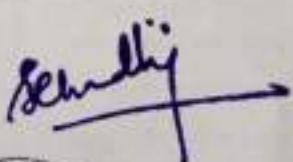


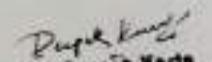
Prof. Deepak Karia
M.T. Project Co-ordinator
Head of Electronics Engineering Department
Deemed to be University
Date: 20th January 2019
Place: Mumbai (M.G. Marg) - 400009

Dr. Deepak Karia
HoD (Electronics)

Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
20	A	2018110027 Vivek Mandal	Borrow and Lend Management System	Prof N.A. Bhagat(M) and Dr. D.C. Karia(CM)
	B	2018110005 Ayush Asawa		
	C	2018110039 Shravani Rahise		
21	A	2018110046 Karan Sanghavi	Digital IC tester	Prof. M.R.Bansode(M) and Prof. K.T.Talele(CM)
	B	2018110033 Akshay Pasari		
	C	2018110021 Hrithik Jain		
22	A	2018110022 Kush Jain	Electronic - Biometric Supported Locking System	Dr. D.C. Karia(M) and Prof. Najib Ghatte(CM)
	B	2018110025 Snehil Kumar		
	C	2018110060 Shuchi Upadhyay		
23	A	2018110038 Smiti Poddar	Smart Accident Alert System	Prof. M.R.Bansode(M) and Prof. K.T.Talele(CM)
	B	2018110003 Harsh Agrawal		
	C	2018110008 Arnav Chaudhari		
24	A	2017110049 Divya Raut	GSM based Irrigation system	Prof N.A. Bhagat(M) and Prof. G. T. Haldankar (CM)
	B	2018110029 Priyam Majithiya		
	C	2019210068 Trisha Patel		
25	A	2018110028 Shauryavir Singh Manhas	Modern Customer Shopping Experience	Prof Priya(M) and Prof. G.T. Haldankar(CM)
	B	2018110041 Raviraj Randive		
	C	2018110051 Satvik Sawant		


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Dr. Deepak Karia
 HoD (Electronics)

ARP 'I (2020-2021) Final Project List-EV/EN Semester

Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
1	A B C	2019210066 Adhik Mewada 2018110054 Vivek Shetty 2018110056 Shlok Tadilkar	Smart Flow Programming Language	Dr. S.S. Rathod(M) and Prof. Payal Shah(CM)
	A	2019110073 Nisha Vasant		
	B C	2018110047 Mohinish Sankhe 2018110058 Niraj Throat		
2	A	2019210070 Kunal Sanghvi	Seeing Wand for the blind	Dr. D.C. Karia(M) and Prof. Najib Ghatte(CM)
	B	2018110053 Prasheel Shah		
	C	2018110052 Aditya Shah		
3	A	2018110055 Shubham Shigavan	Smart Parking Solutions for On-Street and Off-Street Parking	Prof. Payal Shah(M) and Dr. S.S. Rathod(CM)
	B	2019210067 Aarti Nandurkar		
	C	2019210072 Prathamesh Talewar		
4	A	2018110051 Harsh Agarwal	Hand bone age estimation	Prof. G.T. Haldankar(M) and Prof P.A. Deshpande(CM)
	B	2019210064 Manali Berde		
	C	2019210065 Sayali Ghoropade		
5	A	2019210069 Krutika Patkar	Automatic Hand Sanitizer Dispenser	Dr. D.C. Karia(M) and Prof N.A. Bhagat(CM)
	B	2018110006 Leena Badgujar		
	C	2019210071 Anjali Shinde		
6	A	2018110003 Shrestha Agarwal	IoT Based Smart Door Lock System with automatic hand sanitization	Prof N.A. Bhagat(M) and Dr. D.C. Karia(CM)
	B	2018110029 Krish Mankar		
	C	2018110032 Vedang Natu		
7	A	2018110011 Rishona Daniels	Concentration Detection using EEG waves	Dr. R. G. Sutar(M) and Prof Priya(CM)
	B	2018110020 Aishwarya Jagtap		
	C	2018110023 Radhika Joglekar		
8	A	2016110043 Jaynil Patel	FPGA Based Real Time Fire Incident Monitoring System	Dr. S.S. Rathod(M) and Prof. Payal Shah(CM)
	B	2016110039 Atish Mahajan		
	C			
9	A		Braille Optical Character Recognizer for the blind	Dr. S.S. Rathod(M) and Prof. Payal Shah(CM)
	B			



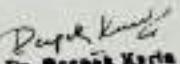
Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
10	A 2018110062	Omkar Varudkar	Preliminary Diagnosis of diseases using Eye Imaging	Prof Priya(M) and Prof. G.T. Haldankar(CM)
	B 2018110007	Chirayu Betkekar		
	C 2018110049	Shriya Sansare		
11	A 2018110004	Pranav Aher	Prioritised Vehicle Management Application	Prof. P.V. Karambe(M) and Dr. R.G. Sutar(CM)
	B 2018110050	Mohil Sarvankar		
	C 2018110063	Viraj Wasnik		
12	A 2018110059	Netra Trivedi	Universal Remote using EMG based gesture recognition	Prof Najib Ghatte(M) and Dr. D.C. Karia(CM)
	B 2018110031	Isha Naik		
	C 2018110013	Navya Fadia		
13	A 2018110037	Pranjal Pimpale	ChargeEasy- A solution assisting EV drivers with charging stations	Prof. G.T. Haldankar(M) and Prof Priya(CM)
	B 2018110043	Kaushik Reddy		
	C 2018110044	Sanchit Rote		
14	A 2018110015	Kushagra Gautam	Smart Traffic Control System	Prof. K.T. Talele (M) and Prof. M.R. Bansode(CM)
	B 2018110016	Shreya Gokhale		
	C 2018110014	Aakanksha Garg		
15	A 2016110004	Tanmay Bhalerao	Eliminate Mouse Drawing	Dr. R.G. Sutar(M) and Prof. P.V. Kasambe(CM)
	B 2016310063	Satish Yadav		
	C			
16	A 2018110045	Amolina Samanta	Automatic Attendance Marker with Database	Dr. R.G. Sutar(M) and Prof. P.V. Kasambe(CM)
	B 2018110018	Akash Hake		
	C			
17	A 2018110024	Divit Kalathil	Employability Prediction using CV Analysis	Prof. K.T. Talele (M) and Prof. M.R. Bansode(CM)
	B 2018110057	Aditya Tarade		
	C 2018110061	Kuldeep Vaishnav		
18	A 2018110009	Swapnil Dabre	Smart Agriculture system Using IOT	Prof. P.V. Kasambe(M) and Dr. R.G. Sutar(CM)
	B 2018110012	Laukik Deshmukh		
	C 2018110017	Archis Gune		
19	A 2018110034	Gaurav Patil	Gas leak detector	Prof Najib Ghatte(M) and Dr. D.C. Karia(CM)
	B 2018110035	Harshada Patil		



Group	UCID No.	Name of Student	Approved Title	Mentor(M)/Co-Mentor (CM)
20	A	2018110027 Vivek Mandal	Borrow and Lend Management System	Prof N.A. Bhagat(M) and Dr. D.C. Karia(CM)
	B	2018110005 Ayush Asawa		
	C	2018110039 Shravani Rahise		
21	A	2018110046 Karan Sanghavi	Digital Ic tester	Prof. M.R.Bansode(M) and Prof. K.T.Talele(CM)
	B	2018110033 Akshay Pasari		
	C	2018110021 Hritik Jain		
22	A	2018110022 Kush Jain	Electronic - Biometric Supported Locking System	Dr. D.C. Karia(M) and Prof Najib Ghatte(CM)
	B	2018110025 Snehil Kumar		
	C	2018110060 Shichi Upadhyay		
23	A	2018110038 Smiti Poddar	Smart Accident Alert System	Prof. M.R.Bansode(M) and Prof. K.T.Talele(CM)
	B	2018110003 Harsh Agrawal		
	C	2018110008 Arnav Chaudhari		
24	A	2017110049 Divya Raut	GSM based Irrigation system	Prof N.A. Bhagat(M) and Prof. G. T. Haldankar (CM)
	B	2018110029 Priyam Majithiya		
	C	2019210068 Trisha Patel		
25	A	2018110028 Shauryavir Singh Manhas	Modern Customer Shopping Experience.	Prof Priya(M) and Prof. G.T. Haldankar(CM)
	B	2018110041 Raviraj Randive		
	C	2018110051 Satvik Sawant		


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 Project Co-ordinator

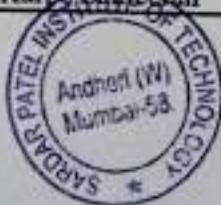



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Dr. Deepak Karia
 HoD (Electronics)

SARDAR PATEL INSTITUTE OF TECHNOLOGY
Munshi Nagar, Andheri (West), Mumbai - 400 058-India.
Final Year Project List 2019-2020

Category 1

Group No.	UCID	Project Topic	Name of the Member
1	2016110001	Virtual Personal Assistant	Aralikatti Akhilesh
	2016110020		Gohil Darshan
	2016110021		Halder Riya
2	2016110002	Remote Bridge Health Monitoring	Badgujar Rohan
	2016110060		Vichare Shriniket
	2017210064		Ajgaonkar Atharva
3	2016110011	Smart Medicine Delivering Autonomous Vehicle	Deshprabhu Sumedh
	2016110052		Sathye Rohit
	2016110056		Surve Mandar
4	2016110009	Automatic Fluid Mixer	Deshpande Vaidehi
	2016110050		Rathi Manasi
	2016110013		Firke Pooja
	2016110015		Gharat Srushti
5	2016110019	Project Centrifuge	Gunjal Vaibhavi
	2017210073		Rane Arpita
	2017210069		Mhase Tejasvi
6	2016110026	Phonocardiogram with early stage stenosis detection	Kelaskar Rahul
	2016110051		Rathod Manthan
	2017210070		Pandav Sejal
7	2016110033	Real Time Solar Monitoring System	Malve Saurav
	2016110040		Nayak Akash
	2016110058		Thape Rohan
8	2016110007	Reliable and faster machine to machine (m2m) communication using MQTT protocol and MEAN stack	Chandeliya Nalin
	2016110008		Chari Prashanth
	2016110025		Karpe Saurav



SARDAR PATEL INSTITUTE OF TECHNOLOGY
Munshi Nagar, Andheri (West), Mumbai - 400 058-India.
Final Year Project List 2019-2020

Category 1

9	2016110024	Project ROSHNI	Jha Sunny
	2016110032		Mali Rohit
	2016110041		Nikam Vivek
10	2016110035	Smart Wearables for Training	Melita Benn
	2016110047		Pulapaka Anay
	2016110048		Pulapaka Atharv
11	2017210071	Signal Analyzer for wireless transmission of physiological signals	Patel Shivang
	2017210074		Shinde Shubham
	2016110055		Sheth Shreyansh
12	2017210065	LabView based automatic data acquisition for EIT	Aldar Sukanya
	2017210067		Chavan Shruti
	2017210072		Patil Dakshata
13	2017210066	Efficient Battery Charging System	Chauhan Neeraj
	2017210068		Dhongade Suraj
	2016110014		Gajbhiye Palash
14	2017210075	Automation of accelerometer for load testing of bridge	Sonawane Sachin
	2017210076		Tiwari Saurav
	2017210077		Upadhyaya Ajay
15	2016110012	Beach Cleaning Bot (Post Processing of Trash)	Dhar Gopala
	2016110003		Bath Tejveer
	2016110006		Bhattacharjee Soumyadeb
16	2016110005	Beach Cleaning Robot (Pre-processing of Trash)	Bhat Bharadwaj
	2016110017		Gokhale Rujuta
	2016110031		Mainkar Yash
	2015110055		Sharma Krishna
17	2015110040	IOT enabled lighting control and occupancy indicating system	Shejwal Aditya
	2015110002		G Pranav Rami R G
18	2015110061	Smart Assistant Mirror(SAM)	Goswami Ananta

(Dr. Sudhakar) *(M. Jagat)*



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SARDAR PATEL INSTITUTE OF TECHNOLOGY
Munshi Nagar, Andheri (West), Mumbai - 400 058-India.
Final Year Project List 2019-2020

Category 1

2015110054	Pillai Rahul
2015110041	Rao Sahil

Deepak Karia
(Dr. Deepak C. Karia)

Dr. D. C. karia
(H.O.D)

N.A.Bhagat

Prof. N.A.Bhagat
Project Co-ordinator

N.A.Bhagat

Shubhaji



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SARDAR PATEL INSTITUTE OF TECHNOLOGY
Munshi Nagar, Andheri (West), Mumbai - 400 058-India.

Final Year Project List 2019-2020
Category 2

Sr. No.	Name of Student	Roll No.	Title of Project	
1	Gohil Akhil	2016110016	Smart Warehousing	Prof.D.S.Sawant
	Khanolkar Pranav	2016110028		
	Matreja Krish	2016110034		
	Deshprabhu Ritvik	2016110010		
2	Phadke Ameya	2016110045	Logic Analyzer	Prof.S.D.Patil
	Khanolkar Aalap	2016110027		
	Patil Akshay	2016110044		
	Vipin Valvi	2007110057		
3	Kharade Sanish	2016110029	Automatic Umbrella Dryer	Prof.D.S.Sawant
	Kumar Amit	2016110030		
	Mukne Ankita	2016110037		
4	Verma Anand	2016110059	Design and Modeling of Silicon Retina	Dr.U.P.Khot
	Thakur Sushrut	2016110057		
	Pandit Rutwik	2016110042		
	Mungekar Ameya	2016110038		

Dr. R.G.Sutar
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Dr. R.G.Sutar
 (Deputy H.O.D)

Sutar

N.A.Bhagat

Prof. N.A.Bhagat
 Project Co-ordinator

N.A.Bhagat
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Sardar Patel Institute of Technology, Andheri(w)
Electronics Engineering Department

T.E. Action Research Project-I

Academic Year: 2019-2020

Project Title List

Grp. No.	UCID No.	Name of Student	Project Title	Project Guide
1	2017110026	Kalnawat Suumadh Pravin	Dynamic Prosthetic Foot with Adaptive Actuators	Prof. Prashant Kasambe Prof. Najib Ghatte
	2017110027	Khandekar Swapnil Suhas		
	2017110056	Sukruth Ramesh		
2	2017110036	Paralikar Prasad Sachin	Development of Tremor Correction for Parkinson's Disease	Prof. Prashant Kasambe
	2017110042	Pawar Shivani Prashant		
	2017110025	Kajrolkar Asmita Ravindra		
3	2017110002	Adhya Anikait Debaprasad	Manhole Detection using Image Processing on Satellite Imagery	Prof. Priya Deshpande
	2017110004	Bajpai Chinmay Sanjeev		
	2017110063	Vishnani Vinay Bharat		
4	2017110024	Junnarkar Akash Nikhil	Rim Alternator	Dr. Rajendra Sutar
	2017110034	Pahalwan Sparsh Sunil		
	2017110045	Pote Sameep Vijay		
5	2017110057	Tamhankar Neelaya Prasad	IoT based Air and Water Quality Monitoring System.	Prof. Prashant Kasambe
	2017110058	Thakur Kriti Shivshankar		
	2018210066	Choksi Krisha Paras		
6	2017110008	Bhopale Janhavi Sunil	Restaurant Food Ordering System	Prof. Priya Deshpande
	2017110022	Jain Raksha Mukesh		
	2017110030	Mane Arthav Ashok		
7	2017110038	Patani Devang Mrugesh	Solar Tracking System	Dr. Rajendra Sutar Prof. Najib Ghatte
	2017110041	Patil Urmila Vilas		
	2017110053	Shelke Nayana Gangaram		
8	2017110003	Andhale Sanket Somnath	IoT based EM Radiation Monitoring System	Prof. Prashant Kasambe
	2017110031	Mane Pratik Janardhan		
	2017110061	Vaingankar Mandar Parag		
9	2017110005	Barhate Nikhil Narhar	Vision based System for Early Detection of Diabetic Retinopathy	Dr. Rajendra Sutar
	2017110006	Bhave Sahil Chandan		
	2017110007	Bhise Rugved Mandar		
10	2017110001	Adhikari Siddhant Tara S.	Thermal Imaging using Active Infrared Radiation	Prof. Priya Deshpande
	2017110012	Deshmukh Omkar Nitin		
	2017110014	Fagania Jainam Naresh		

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P. No.	UCID No.	Name of Student	Project Title	Project Guide
11	2017110013	Deshpande Param Ashwin	Smart Buggy	Prof. Prashant Kasambe Prof. Najib Ghatte
	2017110017	Gaikwad Omkar Rajendra		
	2017110021	Jain Manav Jayesh		
12	2017110043	Pendse Ayusha Sachindev	Non-invasive Flowmeter	Prof. Prashant Kasambe
	2017110046	Rahul Ramakrishnan		
	2017110052	Sharma Chetna Shashikant		
13	2017110040	Patil Omkar Vishwas	Smart Door Lock System	Dr. Rajendra Sutar
	2017110044	Pillai Shreyas Biju		
	2017110051	Sapte Vedant Sushil		
14	2017110050	Salkar Tanishq Vijay	Smart Shopping Trolley	Prof. Priya Deshpande
	2017110055	Shinde Aditya Kiran		
	2017110059	Upasani Gaurav Suhas		
15	2017110032	Mhatre Varun Sanjay	Implementation of Transmitter Receiver (5G Network) on FPGA	Prof. Prashant Kasambe
	2017110033	Mishra Nitin Binod		
	2017110064	Vispute Vishwesh Nitin		
16	2017110009	Biyani Darshan	Intelligent Flood Detection System	Prof. Priya Deshpande Prof. Kumar Khandagle
	2017110054	Shete Gaurang Dinesh		
	2017110062	Varade Tanmay Dnyandev		
17	2018210068	Hirve Rushikesh	Secure Voting using Physical Blockchain	Prof. Priya Deshpande
	2018210070	Kadam Sushant Sunil		
	2018210071	Kawle Nikhil Mahadev		
18	2018210078	Save Neel Kishor	Analysis of ECG using FPGA and Detecting Abnormal Heart	Prof. Prashant Kasambe
	2018210080	Thopate Omkar		
	2018210081	Waghe Vaibhav Dilip		
19	2017110011	Dalvi Prathamesh	Non-invasive Method for Blood Glucose	Dr. Rajendra Sutar
	2017110015	Fernandes Lance Vincent		
20	2016110061	Yadav Rahul Ramesh	Battery-Less NFC Sensor for pH Monitoring	Dr. Rajendra Sutar Prof. Kumar Khandagle
	2016310062	Dubey Krishnakumar		
	2016110023	Sagar Jaybhaye		
21	2018210076	Rathod Pooja Uddhav	Identification of bacteria/pathogen colonies using Raspberry-Pi	Prof. Priya Deshpande
	2018210082	Worlikar Shruti		
	2016110036	Motghare Ria		
22	2018210065	Bhandare Shradha	Livestock Repellent Device	Prof. Priya Deshpande
	2018210067	Farde Rani Ulhas		
	2018210073	Mahukar Shruti		
23	2017110048	Rananavare Manaswi M.	Single Board System for Electrical Data Acquisition and	Dr. Rajendra Sutar
	2018210074	Makwana Mansi		
	2018210079	Shah Ria Ashesh		

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Slp. No.	UCID No.	Name of Student	Project Title	Project Guide
24	2018210072	Khichadia Ishan Amrish	Protocol Bridge	Dr. Rajendra Sutar
	2018210075	Parikh Dhrumil Sandeep		
	2018210077	Rathod Yash Pramod		
25	2017110018	Gharat Sahil Sunil	Smart Axibot	Dr. Rajendra Sutar
	2017110028	Kumar Siddhant Rajeev		
	2017110035	Panwal Anushka Shankar		
26	2017110039	Patel Vaibhav Mahendra	Hand Gesture Controlled Gaming	Prof. Priya Deshpande
	2017110047	Raikar Kritesh Vijay		

Action Research Project -I Student Co-ordinators for Mini Project Competition

- 2017110015 Fernandes Lance Vincent
- 2017110022 Jain Raksha Mukesh
- 2017110038 Patani Devang Mrugesh
- 2017110041 Patil Urmila Vilas
- 2017110042 Pawar Shivani Prashant
- 2017110045 Pote Sameep Vijay
- 2017110053 Shelke Nayana Gangaram
- 2017110058 Thakur Kriti Shivshankar
- 2017110059 Upasani Gaurav Suhas
- 2017110063 Vishnani Vinay Bharat
- 2018210072 Khichadia Ishan Amrish
- 2018210075 Parikh Dhrumil Sandeep

Najib Ghatte
Prof. Najib Ghatte
 Project Co-ordinator
 Electronics Department

Deepak Karia
Dr. Deepak Karia
 M.E., Ph.D. (VJTI Mumbai)
 Head of Electronics Engineering Department
 Sharanya Vidyashram's
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 Mulund Nagar, Andheri (W), Mumbai - 400 058.

Dr. DC Karia

H.O.D
 Electronics Department



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Sardar Patel Institute of Technology, Andheri(w)
Electronics Engineering Department

T.E. Action Research Project-II

Academic Year: 2019-2020

Project Title List

Grp. No.	UCID No.	Name of Student	Project Title	Project Guide
1	2017110026	Suumedh Kalnawat	Dynamic Prosthetic Foot with Adaptive Actuators	Prof. Najib Ghatte / Prof. Prashant Kasambe
	2017110027	Swapnil Khandekar		
	2017110056	Sukruth Ramesh		
2	2017110002	Anikait Adhya	Live Manhole Cover Monitoring System using IoT	Prof. Priya Deshpande
	2017110004	Chinmay Bajpal		
	2017110063	Vinay Vishnani		
3	2017110055	Aditya Shinde	Methodology for Detecting Chronic Kidney Disease	Prof. Kumar Khandagle
	2017110050	Tanishq Salkar		
	2017110057	Neelaya Tamhankar		
4	2018210078	Neel Save	Water Quality Monitoring using Image Processing	Prof. Kumar Khandagle
	2018210080	Omkar Thopate		
	2018210081	Vaibhav Waghe		
5	2017110051	Vedant Sapte	EEG Pattern Extraction using Machine Learning for Analysis	Prof. Kumar Khandagle
	2017110058	Kriti Thakur		
	2017110059	Gaurav Upasani		
6	2017110013	Param Deshpande	Gimbal Control for Directing Cinematographic Buggy	Prof. Manisha Bansode / Prof. Prashant Kasambe
	2017110021	Manav Jain		
7	2017110017	Omkar Gaikwad	Buggy Construction for Directing Cinematographic Buggy	Prof. Manisha Bansode / Prof. Prashant Kasambe
	2018210066	Krishna Choksi		
8	2017110003	Sanket Andhale	IoT enabled Electromagnetic Wave Radiation Monitoring System	Prof. Manisha Bansode / Prof. Prashant Kasambe
	2017110031	Pratik Mane		
	2017110061	Mandar Vaingankar		
9	2017110036	Prasad Paralikar	Tremor Correction for Parkinson's disease	Dr. Rajendra Sutar
	2017110042	Shivani Pawar		
	2017110025	Asmita Kajrolkar		
10	2017110005	Nikhil Barhate	Point Cloud using Ultrasonic Sensor	Prof. Najib Ghatte
	2017110006	Sahil Bhave		
	2017110007	Rugved Bhise		

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Grp. No.	UCID No.	Name of Student	Project Title	Project Guide
11	2017110038	Devang Patani	IoT based Counting System for Industrial Product	Dr. Rajendra Sutar
	2017110041	Urmila Patil		
	2017110053	Nayana Shelke		
12	2018210071	Nikhil Kawle	Water Sample Collecting Bot	Prof. Kumar Khandagie
	2018210068	Rushikesh Hirve		
	2018210070	Sushant Kadam		
13	2017110046	Rahul Ramakrishnam	Speed Breaker Detection and Mapping	Prof. Priya Deshpande
	2017110043	Ayusha Pendse		
	2017110052	Chetna Sharma		
14	2017110015	Lance Fernandes	Sign Language Translator	Prof. Manisha Bansode
	2017110011	Prathamesh Dalvi		
	2017110024	Akash Junnarkar		
15	2017110001	Siddhant Adhikari	Thermal Imaging using Active Infrared Radiation	Prof. Priya Deshpande
	2017110012	Omkar Deshmukh		
	2017110014	Jainam Fagania		
16	2017110045	Sameep Pote	Posturainer	Prof. Najib Ghatte
	2017110022	Raksha Jain		
	2017110034	Sparsh Pahalwan		
17	2017110044	Shreyas Pillai	Rehabilitation Arm using EEG Technology	Prof. Manisha Bansode
	2017110009	Darshan Biyani		
18	2017110054	Gaurang Shete	Color Organ: Dancing Musical Lights	Prof. Najib Ghatte
	2017110062	Tanmay Varade		
19	2016110023	Sagar Jaybhaye	Hiking Tracker	Dr. Rajendra Sutar
	2016110061	Rahul Yadav		
	2016310062	Krishnakumar Dubey		
20	2018210073	Shruti Mahukar	Livestock Repellent Device	Prof. Priya Deshpande
	2018210065	Shraddha Bhandare		
	2018210067	Rani Farde		
21	2017110008	Janhavi Bhopale	Speech Cognizance and Transcription	Prof. Priya Deshpande
	2017110030	Arthav Mane		
	2016110036	Ria Motghare		
22	2018210079	Ria Shah	Remote Monitoring of Gas Cylinder	Dr. Rajendra Sutar
	2018210074	Mansi Makwana		
	2017110048	Manaswi Ranawade		
23	2018210072	Ishan Khichadia	Smart Water Management System	Prof. Najib Ghatte
	2018210075	Dhrumil Parikh		
	2018210077	Yash Rathod		

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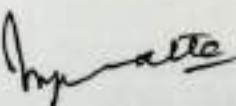


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Grp. No.	UCID No.	Name of Student	Project Title	Project Guide
24	2017110018	Sahil Gharat	Smart Roadsign Detection using AI	Dr. Rajendra Sutar
	2017110028	Siddhant Kumar		
	2017110035	Anushka Panval		
25	2017110032	Varun Mhatre	Cattle Health Monitoring System	Prof. Kumar Khandagle
	2017110033	Nitin Mishra		
	2017110064	Vishwesh Vispute		
26	2018210082	Shruti Worlikar	Automatic Colony Counter	Prof. Kumar Khandagle
	2018210076	Pooja Rathod		
27	2017110040	Omkar Vishwas Patil	Wireless Gaming Console	Prof. Priya Deshpande
	2017110047	Kritesh Raikar		
	2017110039	Vaibhav Patel		

Action Research Project -I Student Co-ordinators for Mini Project Competition

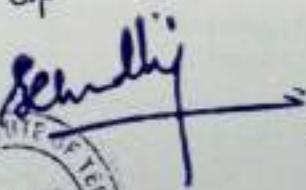
2017110015 Fernandes Lance Vincent
 2017110022 Jain Raksha Mukesh
 2017110038 Patani Devang Mrugesh
 2017110041 Patil Urmila Vilas
 2017110042 Pawar Shivani Prashant
 2017110045 Pote Sameep Vijay
 2017110053 Shelke Nayana Gangaram
 2017110058 Thakur Kriti Shivshankar
 2017110059 Upasani Gaurav Suhas
 2017110063 Vishnani Vinay Bharat
 2018210072 Khichadia Ishan Amrish
 2018210075 Parikh Dhrumil Sandeep


 Prof. Najib Ghatte
 Project Co-ordinator
 Electronics Department



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 Dr. DC Karia
 M.E., Ph.D., F.I.T.T.I. Member
 Head of Electronics Engineering Department
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 Dr. DC Karia
 Deputy H.O.D
 Electronics Department

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Sardar Patel Institute of Technology
Electronics Engineering Department
B.E. Project Titles (2018-19)

Sr. No.	Name of Members	UCID	Title of Project	Name of Guide
1.	Waingankar Anushka Ajit	2015110060	Smart Meter Data Analytics	Dr. R. G. Sutar
	Upadhyay Akash Bashistha	2015110058		
	Pooniwala Nevil Persi	2016110068		
2.	Nair Aditya Prakash	2015110030	Automated Driver Assistant System	Prof. P. H. Shah
	Mansoori Shoib Salim	2015110024		
	Moghe Rajeev Milind	2015110029		
3.	Poojari Srijal Shekhar	2015110037	Design of Tethered multirotor system for payload applications	Prof. K. T. Talele
	Shah Chirag Rasesh	2015110048		
	R Adithya Ramanujam	2015110038		
4.	Mestri Rohan Satyavan	2015110027	Lip Reading using Deep Learning	Prof. M. R. Bansode
	Khuteta Sagar Sanjay	2015110018		
	Prathamesh Limaye Vivek	2015110021		
5.	Pereira Sean Marcus		Sudden Cardiac Death Prediction using ECG Data	Dr. R. G. Sutar
	Theotonio	2015110035		
	Vaz Joash Jeffrey	2015110059		
6.	Tripathi Rahul Rakesh	2015110057	Design of TCD for minimum power and fast response using MEMS simulation software	Prof. P. V. Kasambe
	Thakur Saurabh Nitin	2015110056		
	Dhebe Tejas Shital	2016110063		
7.	Zoting Sagar Prakash	2015110062	Campus Placement Guide	Prof. K. T. Talele
	Razdan Vidushi Vijay	2015110043		
	Ravipalli Saiprathik Prasad	2015110042		
8.	Pinto Nikhil Movin	2015110036	Solar Power Conditioning and Control system	Prof. G. T. Haldankar
	Shah Rajvee Nilesh	2015110049		
	Dongre Isha Mukund	2015110005		
9.	Govindayapally Manasvi	2015110008	Novel Current based circuit simulation using Cadence	Prof. N. A. Bhagat
	Gupta Shreya Ramashankar	2015110009		
	Naredi Moulik Pankaj	2015110031		
10.	Sadawarti Suyog Suresh	2015110044	Sign Speak Gloves	Prof. Priya Deshpande
	Joshi Himanshu Devvrat	2014110062		
	Mehta Darshana Deepak	2015210072		
11.	Nerkar Mrunal Dattatray	2015210082	Sensor Fault detection and remote monitoring system for parameter measurement using Labview	Dr. D. C. Karia
	Mirke Apurva	2012110031		
	Mane Komal Suresh	2015110023		
12.	Nisrad Sugandha Vasant	2015110033	Virtual Power Analyzer using Labview	Prof. P. H. Shah
	Singhal Vrinda Rajul	2015110053		
	More Nikita Vijay	2016110065		
	Wawale Madhuri Madhukar	2016110074		

13.	Jaiswal Anchal Ramesh	2015110011	Agribot	Prof. P. H. Shah
	Sawant Divya Ravindra	2015110047		
	Singh Jyoti Arvind	2015110052		
14.	Kulkarni Ashish Sudhir	2015110020	Online Healthcare Services	Prof. G. T. Haldankar
	Patil Kapil Sunil	2014110045		
	Sahu Shivam Kameshwar	2015110045		
15.	Tayade Ankita Janardhan	2016110073	E-Specs	Prof. Priya Deshpande
	Sawant Harshali Sakharam	2016110069		
	Kodate Rohit Ashok	2016110064		
16.	Patkar Rutuparna Ketan	2016110066	Track on Park	Prof. M. R. Bansode
	Shetty Nisha Krishna	2016110071		
	Shah Ruchi Shah Ashok	2016110070		
17.	Jain Sandesh	2015110010	Object Detection using Deep Learning	Prof. G. T. Haldankar
	Kharvi Mehul	2015210069		
	Digha Swastika	2014110014		
	Ghotekar Ankit	2013110012		
Sr. No.	Name of Members	UCID	Title of Project	Name of Guide
18.	Sonawane Bhushan Rohidas	2015110055	EBG Structure single/ dual band operation using MEMS	Prof. P. V. Kasambe
	Rana Jay Bhupendra	2015110040		
	Barwaniwala Abbas Taher	2015110002		
19.	Yadav Akash Shyam	2015110061	Ensuring safety Train operation using PLC interlocking	Prof. Manisha Bansode
	Solkar Prafulla Subhash	2015110054		
	Raut Nihal Sudhakar	2015110041		
20.	Atre Prutha Yatindra	2015110001	Road Structural Health Monitoring System	Prof. N. A. Bhagat
	Bhagat Sahil Sanjay	2015110003		
	Khopkar Aditya Sandeep	2015110017		
21.	Mahadik Amey Sandeep	2015110022	Augmented Reality Based Educational App	Prof. G.T. Haldankar
	Khasgiwale Rajas Nilkanth	2015110015		
	Shetty Nitin Dayanand	2015110051		
22.	Kanoja Shweta Suresh	2015110014	Snake Repellant Stick	Prof. Priya Deshpande
	Kolekar Prajakta Bhanudas	2015110019		
	Sankhe Saloni Dipak	2015110046		
23.	Parikh Viraj Yatish	2015110034	Solar Panel Installation and awareness	Prof. G.T. Haldankar
	Kachare Rohan Ramesh	2015110013		
	Deshpande Varun Vinay	2015110004		
24.	Ghadi Apurv Mangesh	2015110006	Portable Compost Machine for Household waste	Prof. R.G. Sutar
	Modi Arpan Kartik	2015110028		
	Ghosh Arijit Asim Kumar	2015110007		
25.	Yadav Isha Kishor	2016110075	IOT Based Remote Health Monitoring System	Prof. P. V. Kasambe
	Patwa Naman Nilesh	2016110067		
	Shinde Prathmesh Pradip	2016110072		

Dr. R.G.Sutar

(Deputy H.O.D)



N. A. Bhagat

Project Co-ordinator



Bhartiya Vidya Bhavan's
Sardar Patel Institute of Technology, Andheri(w)

Electronics Engineering Department

T.E. Action Research Project-I

Academic Year: 2018-2019

Project Guides

Group No.	UCID No.	Name of Student	TOPIC	Project Guide
1	2016110045	Phadke Ameya	Electric Hotplate	Dr. S. S. Rathod
	2016110031	Mainkar Yash		
	2016110042	Pandit Rutwik		
2	2016110038	Mungekar Ameya	Smart Safety for two wheelers	Prof. Priya Deshpande
	2016110059	Verma Anand		
	2016110044	Patil Akshay		
3	2016110034	Matreja Krish	Solar Based Street Light	Dr. S. S. Rathod
	2016110035	Melita Benn		
	2016110040	Nayak Akash		
4	2016110041	Nikam Vivek	Monitoring the Quality of Milk and Tracking the Milk Van	Dr. S. S. Rathod
	2016110010	Deshprabhu Ritvik		
	2015110039	G. Pranav Ram R G		
5	2016110024	Jha Sunny	Portable Surveillance System	Prof. P. V. Kasambe
	2016110025	Karpe Sameeran		
	2016110019	Gunjal Vaibhavi		
6	2016110005	Bhat Bharadwaj	Aeroponic Farming	Dr. S. S. Rathod
	2016110017	Gokhale Rujuta		
	2016110006	Bhattacharjee		
7	2016110051	Rathod Manthan	Automation of Laser distance meter	Dr. S. S. Rathod
	2016110026	Kelaskar Rahul		
	2017210064	Ajgaonkar Atharva		
8	2016110001	Aralikatti Akhilesh	Emergency System for senior citizens	Prof. Priya Deshpande
	2016110027	Khanolkar Aalap		
	2016110053	Sharma Krishna		
9	2016110056	Surve Mandar	Fuel and efficiency monitoring system for 2 wheelers vehicles	Dr. S. S. Rathod
	2016110052	Sathyे Rohit		
	2016110011	Deshprabhu Sumedh		
10	2016110030	Kumar Amit	Electronics Signature Stamp	Dr. S. S. Rathod
	2016110029	Kharade Sanish		
	2016110037	Mukne Ankita		



S. S. Rathod

[Signature] 759 *[Signature]*

Group No.	UCID No.	Name of Student	TOPIC	Project Guide
11	2016110021	Halder Riya	Human Touch Detection Safety Mechanism for Table Saw	Dr. R. G. Sutar
	2016110020	Gohil Darshan		
	2016110054	Shejwal Aditya		
12	2016110015	Gharat Srushti	Detection of Adulterants in Milk	Prof. P. V. Kasambe
	2016110009	Deshpande Vaidehi		
	2016110013	Firke Pooja		
13	2016110012	Dhar Gopala	Digital Twin of Healthcare system	Dr. S. S. Rathod
	2016110003	Bath Tejveer		
	2016110036	Motghare Ria		
14	2016110060	Vichare Shriniket	Renewable Energy resources monitoring using IOT and Relay	Dr. R. G. Sutar
	2016110050	Rathi Manasi		
	2016110057	Thakur Sushrut		
15	2016110016	Gohil Akhil	Text Reader for Blind people	Prof. Priya Deshpande
	2016110028	Khanolkar Pranav		
	2016110058	Thape Rohan		
16	2017210071	Patel Shivang	Signal Generator (Virtual Sensor)	Dr. R. G. Sutar
	2016110055	Sheth Shreyansh		
	2017210074	Shinde Shubham		
17	2017210076	Tiwari Saurav	PLC-SCADA Based Pneumatic pressure control	Prof. P. V. Kasambe
	2017210075	Sonawane Sachin		
	2017210077	Upadhyaya Ajay		
18	2017210069	Mhase Tejasvi	Message Conveyor for Paralysed patients	Dr. R. G. Sutar
	2017210073	Rane Arpita		
	2017210070	Pandav Sejal		
19	2017210066	Chauhan Neeraj	PLC based water distribution System	Prof. P. V. Kasambe
	2017210068	Dhongade Suraj		
	2016110014	Gajbhiye Palash		
20	2017210065	Aldar Sukanya	A MEMS heater based experimentation setup using Labview for E-	Prof. P. V. Kasambe
	2017210067	Chavan Shruti		
	2017210072	Patil Dakshata		
21	2016110002	Badgujar Rohan	Smart Dustbin	Prof. Priya Deshpande
	2016110007	Chandeliya Nalin		
	2016110008	Chari Prashanth		
22	2016110047	Pulapaka Anay	Automatic Control of Vehicle Horn	Prof. Priya Deshpande
	2016110048	Pulapaka Atharv		
	2016110033	Malve Saurav		
23	2016110046	Pillai Rahul	BCI based project (Prosthetic arm control)	Dr. R. G. Sutar
	2016110018	Goswami Ananta		
	2016110049	Rao Sahil		
24	2016110032	Mali Rohit	Automatic Railway Crossing	Dr. S. S. Rathod
	2016310062	Dubey Krishnakumar		

Bharadwaj



Action Research Project -I Student Co-ordinators

1. Yash Mainkar
2. Sunny Jha
3. Shreyansh Sheth
4. Ajay Upadhyay

Najib Ghatte
Prof. Najib Ghatte
Project Co-ordinator
Electronics Department

Deepak Karia
Dr. Deepak Karia
M.E., Ph.D. (VJTI Mumbai)
Head of Electronics Engineering Department
Bhavilya Vidyasagar's
Sardar Patel Institute of Technology
Munshi Nagar, Andheri (W), Mumbai - 400 053.

Dr. DC Karia
Head
Electronics Department



Bhartiya Vidyabhavan's
Sardar Patel Institute of Technology, Andheri(w)

Electronics Engineering Department

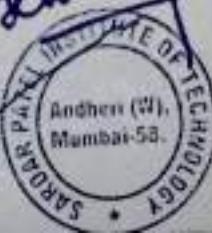
T.E. Action Research Project-II

Academic Year: 2018-2019

List of Group Members

Group No.	UCID No.	Name of Student	TOPIC	Project Guide
1	2016110026	Kelaskar Rahul	Structural Health Monitoring	Dr. Surendra Singh Rathod
	2016110051	Rathod Manthan		
	2017210064	Ajgaonkar Atharva		
2	2016110005	Bhat Bharadwaj	Aeroponics based Farming	Dr. Surendra Singh Rathod
	2016110017	Gokhale Rujuta		
	2016110032	Mali Rohit		
3	2016110003	Bath Tejveer Singh	BROMS : Prosthetic that Adapts to you	Prof. Kumar Khandagle
	2016110006	Bhattacharjee Soumyadeb		
	2016110012	Dhar Gopala		
4	2016110011	Deshprabhu Sumedh	High Wattage Hardware Design and Implementation of Battery Charger for Indian Railways	Dr. Rajendra Sutar
	2016110052	Sathyे Rohit		
	2016110056	Surve Mandar		
5	2016110042	Pandit Rutwik	Firmware Design and Implementation of Battery Charger for Indian Railways	Dr. Rajendra Sutar
	2016110045	Phadke Ameya		
	2017210070	Panday Sejal		
6	2016110029	Kharade Sanish	Automatic Umbrella Driver	Dr. Surendra Singh Rathod
	2016110030	Kumar Amit		
	2016110037	Mukne Ankita		
7	2016110020	Gohil Darshan	Intelligent Food Packaging	Dr. Rajendra Sutar
	2016110021	Halder Riya		
	2016110024	Jha Sunny		
8	2016110009	Deshpande Vaidehi	Smart Plant Watering System	Dr. Surendra Singh Rathod
	2016110013	Firke Pooja		
	2016110015	Gharat Srushti		
9	2016110034	Matreja Krish	Safety System for Senior citizens	Dr. Rajendra Sutar
	2016110035	Melita Benn		
	2016110040	Nayak Akash		
10	2016110050	Rajda Mumtasi	Prediction of Respiratory Diseases using LabView and IoT	Prof. Prashant V. Kasambe
	2016110057	Ashkur Sushrut		
	2016110060	Nichare Shriniket		

Group No.	UCID No.	Name of Student	TOPIC	Project Guide
11	2016110016	Gohil Akhil	Physiological Variables Monitoring Jacket	Dr. Rajendra Sutar
	2016110028	Khanolkar Pranav		
	2016110058	Thape Rohan		
12	2016110010	Deshprabhu Rityik	Comprehensive Study of Interfacing Methods	Prof. Kumar Khandagle
	2016110041	Nikam Vivek		
	2015110039	G Pranav Rain R G		
13	2016110055	Sheth Shreyansh	Monitoring of HEMM from Remote Place	Dr. Rajendra Sutar
	2017210071	Patel Shivang		
	2017210074	Shinde Shubham		
14	2016110019	Gunjal Vaibhavi	Hydroponics based Farming	Dr. Surendra Singh Rathod
	2017210069	Mhase Tejasvi		
	2017210073	Rane Arpita		
15	2016110038	Mungekar Ameya	Development of Optical pH and Salinity Sensor	Prof. Kumar Khandagle
	2016110044	Patil Akshay		
	2016110059	Verma Anand		
16	2016110033	Malve Saurav	Development of Low Cost TDS System with Analog Circuit Interface	Prof. Kumar Khandagle
	2016110047	Pulapaka Anay		
	2016110048	Pulapaka Atharv		
17	2016110001	Aralikatti Akhilesh	Wireless Sensor Network for Water Quality Monitoring	Prof. Kumar Khandagle
	2016110002	Badgujar Rohan		
	2016110027	Khanolkar Aalap		
18	2017210075	Sonawane Sachin	Pneumatic Pressure Control using PLC-SCADA and IoT	Prof. Prashant V. Kasambe
	2017210076	Tiwari Saurav		
	2017210077	Upadhyaya Ajay		
19	2017210065	Aldar Sukanya	Low Cost, Easy to Interface EEG System	Dr. Rajendra Sutar
	2017210067	Chavan Shruti		
	2017210072	Patil Dakshata		
20	2016110014	Gajbhiye Palash	IoT based Underground Cable Fault Detection	Prof. Prashant V. Kasambe
	2017210066	Chauhan Neeraj		
	2017210068	Dhongade Suraj		
21	2016110007	Chandeliya Nalin	Using Signal Processing for Prevention of thefts in ATMs	Prof. Prashant V. Kasambe
	2016110008	Chari Prashanth		
	2016110025	Karpe Sameeran		
22	2016110018	Goswami Ananta	Distributed Temperature Sensing (DTS) Research Project	Prof. Kumar Khandagle
	2016110031	Mainkar Yash		
	2016110046	Pillai Rahul		
	2016110049	Rao Sahil		
23	2016110053	Sharma Krishna	Energy Conservation by Localizing Human Occupancy	Prof. Prashant V. Kasambe
	2016110054	Shejwal Aditya		





1.5.3
2022-23
NM
II Dept - Main Project
I List ✓
Project G1

Bharatiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 Mumhi Nagar, Andheri (West), Mumbai.
 (Autonomous Institute Affiliated to University of Mumbai)
DEPARTMENT OF INFORMATION TECHNOLOGY
 Main Project I-Project Groups & Titles-2022-23 Class: B.Tech. I.T. Semester: VII
 Academic Year – 2022-23

Group No.	UCID NO	Candidate Name	Project Title	Guide Name
C1.1	2018140012	Aartee chimate	Digitalization in agriculture and Farming	Dr. Prasenjit Bhavathankar
	2019140066	Sachin Vishwakarma		
	2020401073	Dhananjay salunke		
C1.2	2019140009	Aditi Bhosale	Stress relief chatbot	Prof. Nikahat Mulla
	2019140038	Aayushi Masurekar		
	2020401076	Shraddha Thaker		
C1.3	2019140027	Nupur Gupte	Identifying the Dyslexia, Dyscalculia, Dysgraphia, Dyspraxia, or ADHD in school going children.	Prof. Swapnali Kurhade
	2019140046	Mitali Patel		
	2019140050	Tanvi Pen		
C1.4	2019140010	Karen Castelino	Diagnosis of Polycystic Ovary Syndrome Using Ultrasound Images	Dr. Prasenjit Bhavathankar
	2019140004	Sachin Bagoriya		
	2019140019	Pankaj Gaikwad		
C1.5	2019140008	Prathamesh Bhoi	SafeRoute: Analysing online websites to indicate crime zones using ML and suggest safe route	Prof. Swapnali Kurhade
	2019140059	Shreya Shetty		
	2019140060	Shruti Shetty		
C1.6	2017140012	Kalpesh Gadhari	IOT based Smart Kitchen Automation and Monitoring System	Dr. Prasenjit Bhavathankar
	2017140059	Tanmay Suryawanshi		
	2018140022	Aniket Garud		
C1.7	2019140013	Mohsin Chougale	Air Quality Index Prediction Using Machine Learning	Dr. Kailas Devadkar
	2019140061	Hardik Srivastava		
	2020401071	Jeet Mistry		
C1.8	2019140006	Sandesh Banika	Web Application Vulnerability Scanner	Prof. Aparna Halbe
	2019140041	Sarthak Nasit		
	2019140068	Akash Yadav		
C2.1	2019140057	Kushal Shah	Stock Sentiment prediction based on Analysis of Financial News	Dr. Rupali Sawant
	2020401070	Joy Almeida		
	2020401077	Pratima Singh		
C2.2	2020401072	Kadambari Patangrao	AutiEase- Personality development and educational system for autistic children	Dr. Kailas Devadkar
	2020401075	Sarika Shete		
	2019140040	Prachi Mishra		
C2.3	2019140024	Amogh Godbole	Enhancing Charity System by Leveraging Blockchain Technology and Machine Learning	Dr. Rupali Sawant
	2019140025	Vishal Gondke		
	2019140018	Kaustubh Funde		
C2.4	2019140052	Atharva Ranade	Parkinson's disease diagnosis	Prof. Jignesh Sisodia
	2019140056	Sahil Sawant		
	2019140062	Rohan Sodha		
C2.5	2019140005	Omkar Bandgar	Respiratory Disorder Classification Based on Lung Auscultation sounds	Prof. Jignesh Sisodia
	2019140007	Aditya Bapat		
	2019140017	Arnav Ekapure		
C2.6	2019140032	Aayush Kawathekar	Browser Buddy (Chrome Extension solving for Productivity during Research)	Prof. Nikahat Mulla
	2019140030	Jai Joshi		
	2019140021	Vedant Gaonkar		
C2.7	2019140054	Devansh Rathod	Portfolio Management System	Prof. Varsha Hole
	2019140033	Pratik Khandelwal		
	2019140029	Yug Jain		
C2.8	2020401074	Sakshi Shah	Style Transfer to generate XRAY images	Prof. Swapnali Kurhade
	2020401078	Anushka Sirsat		
	2019140065	Rishabh Vira		



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C2.9	2019140064	Shria Srivastava	Skill Verification System using Blockchain	Prof. Sheetal Chaudhari
	2019140012	Vaibhavi Chincholkar		
	2019140049	Aamey Pawanarkar		
C2.10	2019140043	Arjun Pansare	Brain tumor segmentation with age and survival duration prediction	Prof. Jignesh Sisodia
	2019140045	Gaurav Parulekar		
	2019140037	Hrishikesh Lamdade		
C2.11	2019140003	Dishita Ashar	Women safety app to detect and report online,offline harrassment using federated learning/ ML	Dr. Rupali Sawant
	2019140016	Mansi Dwivedi		
	2019140048	Pranjal Patil		
C2.12	2019140063	Aakash Sondagar	Hyperspectral Image Dimensionality Reduction and Classification	Prof. Aparna Halbe
	2019140067	Aditya Waikar		
	2019140069	Sarang Yogi		
C2.13	2019140044	Aman Parikh	Healthcare Diagnostics Service System using Federated Learning	Dr. Kailas Devadkar
	2019140051	Kristen Pereira		
	2019140036	Pranav Kumar		
C2.14	2019140020	Parshav Gandhi	Style Transfer to synthesize MRI images using GAN	Prof. Nikahat Mulla
	2019140022	Abha Gawande		
	2019140034	Sharli Kude		
C2.15	2019140002	Anushka Agarwal	Hyper Spectral Image Classification and Band Selection	Prof. Aparna Halbe
	2019140011	Shweta Chavan		
	2019140058	Rhugweda Shedge		
C2.16	2019140023	Mayuri Ghuge	Multimodal Sentiment Analysis of Human Speech	Prof. Sheetal Chaudhari
	2019140026	Dhruvi Gopani		
	2019140055	Manan Savla		
C2.17	2019140001	Smriti Agrawal	Web query classification and analysis for procrastination prevention and productivity enhancement	Prof. Varsha Hole
	2019140039	Jeenal Mehta		
	2019140031	Kunal Kadamb		
C2.18	2019140042	Mihir Nikam	Blockchain-Based System Aircraft Parts Traceability and Trackability for Inventory Management / Blockchain based Chain of	Prof. Varsha Hole
	2019140047	Rushil Patel		
	2019140053	Ameya Ranade		
C2.19	2019140014	Larren D'souza	Credit Lending using Machine Learning	Prof. Sheetal Chaudhari
	2019140015	Limark D'cunha		
	2019140028	Gokul Ramanan		

Prof. Nikahat Mulla
Project Coordinator



Dr. Fraser Jain Bhavathankar
HoD

Sheetal Chaudhari

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BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY
(AUTONOMOUS INSTITUTE AFFILIATED TO UNIVERSITY OF MUMBAI)
ACADEMIC YEAR: 2022 - 2023 SEM: IV
Class: TE IT Term: Odd Sem Year: 2022-23

Sr.No	Name of Students
1	Akim Chowhan
2	Seema Supe
3	Sagar Rathod
4	Akshat Choradia
5	Sakshi Dhenge
6	Ounkar Jagtap
7	Somil More
8	Sumedha Zutshi
9	Vidhan Tamhankar
10	Aashutosh Rai
11	Arjun Nair
12	Aayush Sheth
13	Alok Patil
14	Pushkaraj Patil
15	Prateek Redkar
16	Srikanth Iyengar
17	Amal Thundiyl
18	Yash Shingade
19	Prathamesh Pawar
20	Karan Shah
21	Harsh Patil
22	Ashish Nagargoje
23	Rishi Sodhani
24	YV Satyashri Kaveri
25	Shantanu kadam
26	Akhil Sharma
27	Sarthak Shingre
28	Sanika Patil
29	Bhuvanesh Trivedi
30	Shraddha Nandvikar
31	Reshma Panigrahi
32	Aakash Pardeshi
33	Niraj Salvi
34	Raynil Dsouza
35	Richie Thakkar



El. Sudhaini

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36	Namrata Das
37	Swamini Dumbre
38	Janhvi Katkar
39	Yash Pabari
40	Nikhil Motwani
41	Yash Jadhav
42	Atharva Khairnar
43	Urshita Koshti
44	Pranati Bharadkar
45	Anushka Pandey
46	Durga Warrier
47	Prathamesh Renghe
48	Vaibhav Udamale
49	Tejas Vaidya
50	Arbaaz Ghameria
51	Adwait Nyayadish
52	Aniket Sawant
53	Tisha Negandhi
54	Purval Dhumale
55	Mishika Vachhani
56	Keval Savla
57	Prathmesh Sharma
58	Ayush Bhandarkar
59	Harsh Hegishte
60	Vivek Jaju

D.
Dr. Rupali Sawant
Project Coordinator.



(159)

Bhawatkar
Dr. Prasenjit Bhawatkar
H.O.D.

Schulz →

2021-22

IT
Major Project
List
(C1T)

Bharatiya Vidya Bhawan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 Munshi Nagar, Andheri (West), Mumbai.
 (Autonomous Institute Affiliated to University of Mumbai)

DEPARTMENT OF INFORMATION TECHNOLOGY

CATEGORY I : MAJOR PROJECT List of Students

Academic Year – 2021-22

Group No.	UCID NO	Name of Student	Guide	Title
C1.1	2018140026	Chirag Jain	Prof. Varsha Hole	Permissioned Blockchain based E-Voting System using Hyperledger Fabric
	2018140047	Manav Ranawat		
	2018140024	Luv Gupta		
C1.2	2018140044	Kaustubh Sunil Patil	Renuka Pawar	Monitoring Supply Chain of Pharmaceutical Drugs Using Blockchain
	2018140015	Meet Dave		
	2018140029	Rounak Jaiswal		
C1.3	2018140042	Harsh Pandita	Dr Prasenjit Bhavthankar	Garbage Classification using Machine Learning to Aid Recycling
	2018140061	Vidhi Vaidya		
	2018140065	Mayur Doifode		
C1.4	2019240065	Saurabh Deshmukh	Sheetal Chaudhari	Smart Adware and Product Recommendation using Object Detection
	2019240069	Saish Patil		
	2019240072	Pranay Yadav		
C1.5	2018140034	Harshita Lakhotiya	Prof. Jignesh Sisodia	Intelligent Framework for Crime Detection and Prediction using Behavioural Tracking and Motion Analysis
	2018140056	Rajat Shenoy		
	2018140064	Deepak Yadav		

*M. P. Patil**Sheetal Chaudhari*

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R. V. Jaiswal

Group No.	UCID NO	Name of Student	Guide	Title
C1.6	2018140025	Manasi Jadhav	Dr. Prasenjit Bhavathankar	Detection of Mental Disorder on Social Platforms
	2018140030	Neha Kolambe		
	2018140027	Shreya Jain		
C1.7	2018140011	Yash Chhadva	Swapnali Kurhade	Learning How To Ask
	2018140035	Atharva Malhar		
	2018140051	Prerana Sawant		
C1.8	2019240071	Nikki Wagholkar	Swapnali Kurhade	IPL Team Recommendation using Skill-Based Ranking of Players
	2018140013	Shagun Choudhari		
	2018140001	Abhishek Swaminathan		
C1.9	2018140008	Atharva Bane	Prof. Aparna Halbe	Crop Traceability in Agricultural Supply Chain Using Smart-Contracts
	2018140009	Sakshi Bhoyar		
	2018140010	Dnyaneshwar Birajdar		
C1.10	2018140049	Tejas Rathod	Prof. Aparna Halbe	Car Damage Detection and Assessment
	2018140058	Atharva Shirode		
	2018140063	Parth Wanjari		

M. Patel

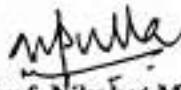
Bhavathankar

Swapnali Kurhade

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Group No.	UCID NO	Name of Student	Guide	Title
C1.11	2017140008	Manik Daya	Prof. Varsha Hole	Decentralised Bank Using BlockChain
	2017140056	Surya Bhan Singh		
	2018140060	Dhiraj Suwanya		
C1.12	2018140019	Jash Gandhi	Prof. Varsha Hole	Math Word Problem Solver and Synoptic Generator
	2018140020	Parth Gandhi		
	2018140023	Aayush Gosar		
C1.13	2018140043	Aditi Patil	Rupali Sawant	COVID-19 protocols breach detection using surveillance cameras
	2018140045	Trupti Patole		
	2018140007	Kshitij Bakshi		
C1.14	2018140017	Harsh Dodiya	Prof. Rupali Sawant	Personality Prediction using Psychometric and CV Analysis
	2018140039	Yash Mor		
	2018140041	Rhythm Munot		


Prof. Nikahat Mulla
Project Coordinator


Dr. P.B. Bhavathankar
H.O.D., Information Technology Dept.





Bharatiya Vidya Bhawan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
Mumbai Nagar, Andheri (West), Mumbai,
(Autonomous Institute Affiliated to University of Mumbai)

DEPARTMENT OF INFORMATION TECHNOLOGY

CATEGORY 2 : MAJOR PROJECT List of Students

Academic Year - 2021-22

Group No.	UCID NO	Candidate Name	Guide Name	Project Title
C2.1	2018140018	Karan Gala	Renuka Pawar	Real-Time Volumetric Rendering of 2-D Indoor Scenes
	2018140021	Pravesh Ganwani		
	2018140032	Rucha Kulkarni		
C2.2	2018140003	Tanvi Aditya	Kailas Devadkar	EduCrypto: Transforming Education using Blockchain
	2018140006	Sagar Bodhani		
	2018140036	Sarthak Maniar		
C2.3	2018140033	Neha Lakhani	Dr. Prasenjit Bhavathankar	Music Generation With Long Short Term Memory Neural Networks
	2018140041	Mohammad Anas Mudassir		
	2018140046	Madhur Rajadhyaksha		
C2.4	2018140050	Sarvesh Satpute	Sheetal Chaudhari	Smart Traffic Management System
	2018140038	Krish Meshram		
	2018140014	Shreyas Darade		
C2.5	2018140052	Sahil Sawant	Prof. Jignesh Sisodia	Melles Corde: A Neural Network based Multi-model System for Detecting Heart Diseases
	2018140054	Krushna Shah		
	2018140057	Tanish Shetty		
C2.6	2014140011	Manswi Dhodi	Prof. Rupali Sawant	Fine food products recommender
	2019240067	Kshitija Landge		
	2011240072	Kiran Kadam		
C2.7	2019240068	Swathy Dhanesh	Kailas Devadkar	Augmented Product Preview System for E-commerce sites
	2019240070	Om Shah		
	2018140055	Meet Shah		
C2.8	2018140059	Krish Sukhani	Nikahat Mulla	Leveraging Blockchain Technology for distributed resource sharing
	2018140062	Ankit Vishwakarma		
	2018140028	Utkarsh Jain	Kailas Devadkar	Automated Context Processing for Virtual Meetings
C2.9	2018140031	Harshkumar kothari		
	2018140002	Sanjana Addagarla	Prof. Nikahat Mulla	Intelligent Call Prioritization based on Speech Emotion Recognition
	2018140005	Ravi Agrawal		
C2.10	2018140016	Deep Dodhiwala		
	2018140037	Yash Mehta	Swapnali Kurhade	Bankruptcy prediction using Random Forest Model
	2018140048	Bhargav Rao		
C2.11	2018140053	Jay Shah		

Prof. Nikahat Mulla
Project Coordinator

Dr. P.B. Bhavathankar
H.O.D., Information Technology Dept.



CE T-T Mini Project Marks 21-22

UID No.	Student Name	Degree	Branch	ESE	ISE	Total
2020400001	Ayush Anorag Bhandarkar	SE	IT	100	100	100
2020400002	Pranati Prakash Bharadkar	SE	IT	83	82.5	82.75
2020400003	Anmol Vikram Chokshi	SE	IT	92	87	89.5
2020400004	Akshat Anil Choradia	SE	IT	83	82.5	82.75
2020400005	Akim Akil Chowhan	SE	IT	82	85.5	83.75
2020400006	Namrata Bhuvan Das	SE	IT	88	83.5	85.75
2020400007	Sakshi Santosh Dhenge	SE	IT	80	93	86.5
2020400008	Raynil Telesphar Dsouza	SE	IT	87	83.5	85.25
2020400009	Swarnimini Sanjay Dumbre	SE	IT	90	93.5	91.75
2020400010	Aryan Rakesh Gwalani	SE	IT	80	93	86.5
2020400011	Harsh Anil Hegishte	SE	IT	90	93.5	91.75
2020400012	Yash Ashok Jadhav	SE	IT	97	85	91
2020400013	Ounkar Vijay Jagtap	SE	IT	86	84.5	85.25
2020400014	Vansh Dilip Jain	SE	IT	86	84.5	85.25
2020400015	Vivek Kamal Jaju	SE	IT	90	93.5	91.75
2020400016	Kaustubh Manoj Kachare	SE	IT	92	86	89
2020400017	Shantanu Ganesh Kadam	SE	IT	92	86	89
2020400018	Janhvi Subhash Katkar	SE	IT	86	84.5	85.25
2020400019	Atharva Manoj Khairnar	SE	IT	80	93	86.5
2020400020	Dhruv Dhiraj Khut	SE	IT	96	88	92
2020400021	Urshita Koshti	SE	IT	87	83.5	85.25
2020400022	Aaditya Prashant Mehar	SE	IT	82	85.5	83.75
2020400023	Siddhant Sanjay Meshram	SE	IT	93	94.5	93.75
2020400024	Somil Vilas More	SE	IT	82	85.5	83.75
2020400025	Nikhil Rajesh Motwani	SE	IT	85	88.5	86.75
2020400026	Ashish Ganesh Nagargoje	SE	IT	97	85	91
2020400027	Arjun R Nair	SE	IT	96	84	90
2020400028	Shradhha Mangesh Nandvitar	SE	IT	88	84	86
2020400029	Sahil Suresh Nawale	SE	IT	90	85.5	87.75
2020400030	Yash Kishorbhai Patbari	SE	IT	96	88	92
				80	91	85.5

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Sheetal Choudhari
Mini project coordinator

~~88%~~

2020400031	Adish Manish Padalia	SE	IT	83	82.5	82.75
2020400032	Abhishek Harish Pai	SE	IT	82	85.5	83.75
2020400033	Anushka Briljeesh Pandey	SE	IT	85	79.5	82.25
2020400034	Reshma Sanatan Panigrahi	SE	IT	82	85	83.5
2020400035	Aakash Satish Pardeshi	SE	IT	82	85.5	83.75
2020400036	Alok Vitthal Patil	SE	IT	90	85.5	87.75
2020400037	Harsh Ravindra Patil	SE	IT	80	91	85.5
2020400038	Pushkaraj Balu Patil	SE	IT	90	82	86
2020400039	Sanika Mahendrasing Patil	SE	IT	82	79.5	80.75
2020400040	Prathamesh Rajan Pawar	SE	IT	80	91	85.5
2020400041	Aashutosh Anilkumar Rai	SE	IT	90	85.5	87.75
2020400042	Atharv Narendra Raotole	SE	IT	90	92.5	91.25
2020400043	Sagar Devidas Rathod	SE	IT	90	80.25	85.125
2020400044	Prateek Shailesh Redkar	SE	IT	90	78.5	84.25
2020400045	Niraj Narendra Salvi	SE	IT	90	85.5	87.75
2020400046	Keval Bharat Savla	SE	IT	93	84	88.5
2020400047	Kaival Ketan Shah	SE	IT	90	85.5	87.75
2020400048	Karan Sunil Shah	SE	IT	90	92.5	91.25
2020400049	Mirat Sanket Shah	SE	IT	93	94.5	93.75
2020400050	Tanish Bhavin Shah	SE	IT	90	82	86
2020400051	Akhil Sharma	SE	IT	93	84	88.5
2020400052	Prathmesh Abhishek Sharma	SE	IT	93	84	88.5
2020400053	Aayush Chetan Sheth	SE	IT	93	84	88.5
2020400054	Dhruvil Sandeep Sheth	SE	IT	90	88.5	89.25
2020400055	Yash Deepak Shingade	SE	IT	82	79.5	80.75
2020400056	Sarthak Santosh Shingre	SE	IT	97	85	91
2020400057	Saillee Sanjay Shirodkar	SE	IT	88	84.5	86.25
2020400058	Rahul Surendra Shukla	SE	IT	90	92.5	91.25
2020400059	Ayush Kishun Singh	SE	IT	95	91	93
2020400060	Rishi Dinesh Sodhani	SE	IT	95	91	93
2020400061	Bhavisha Rajubhai Sondagar	SE	IT	82	82	86

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General Convener,
Min Project Coordinators
8

Shreyas

2020400062	Srikanth Kannan Iyengar	SE	IT	IT	95	91	93
2020400063	Sumedha Dalip Kumar Zutshi	SE	IT	IT	95	88.5	86.75
2020400064	Vidhan Bipin Tamhankar	SE	IT	IT	95	88.5	86.75
2020400065	Richie Piyush Thakkar	SE	IT	IT	95	88.5	86.75
2020400066	Amal Santosh Thundiyil	SE	IT	IT	84	83	83.5
2020400067	Bhuvanesh Lilesh Trivedi	SE	IT	IT	93	94.5	93.75
2020400068	Mishika Ravishankar Vachhani	SE	IT	IT	84	83	83.5
2020400069	Durga Sudheer Warrier	SE	IT	IT	85	79.5	82.25
2020400070	Satyasri Kaveri Sudhakar Y V	SE	IT	IT	84	83	83.5
2021401071	Purval Ravindra Dhumale	SE	IT	IT	87	83.5	85.25
2021401072	Tisha Mukul Negandhi	SE	IT	IT	87	84	85.5
2021401073	Prathamesh Sunil Renghe	SE	IT	IT	87	84	85.5
2021401074	SEEMA BALU SUPE	SE	IT	IT	82	91.5	86.75
2021401075	Arbaaz Haroon Ghameria	SE	IT	IT	69	83.5	76.25
2021401076	Adwait Atul Nyayadish	SE	IT	IT	87	84	85.5
2021401077	Aniket Balasaheb Sawant	SE	IT	IT	88	90	89
2021401078	Vaibhav Ganesh Udamale	SE	IT	IT	82	91.5	86.75
2021401079	Tejas Devendra Valdyaa	SE	IT	IT	88	91.5	86.75
					88	90	89

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*Sheetal Chaudhari
Mini Project Coordinator*

(B)

Sheetal Chaudhari

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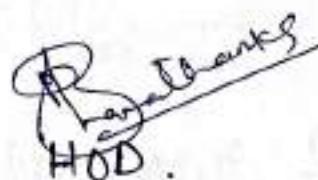


Sheetal Chaudhari

TEIT Mini Project Marks 21-22

Mini Project II ESE				
UCID NO	Candidate Name	marks out of 100	ISE out of 100	Average
2017140012	Kalpesh Gadhari	75	66.5	70.75
2017140059	Tanmay Suryawanshi	75	66.5	70.75
2018140012	Aartee Chimate	80	82	81
2018140022	Aniket Garud	75	66	70.5
2019140004	Sachin Bagoriya	80	84	82
2019140006	Sandesh Banka	90	88.5	89.25
2019140008	Prathamesh Bhoi	80	84	82
2019140009	Aditi Bhosale	80	86.5	83.25
2019140010	Karen Castelino	80	86.5	83.25
2019140013	Mohsin Chougale	95	92.5	93.75
2019140019	Pankaj Gaikwad	85	71.5	78.25
2019140027	Nupur Gupte	80	86.5	83.25
2019140038	Aayushi Masurekar	80	84.5	82.25
2019140041	Sarthak Nasit	90	88.5	89.25
2019140046	Mitali Patel	80	84.5	82.25
2019140050	Tanvi Pen	80	84.5	82.25
2019140059	Shreya Shetty	85	86	85.5
2019140060	Shruti Shetty	85	86	85.5
2019140061	Hardik Srivastava	95	92.5	93.75
2019140066	Sachin Vishwakarma	80	82	81
2019140068	Akash Yadav	90	88.5	89.25
2020401071	Jeet Mistry	80	84	82
2020401073	Dhananjay Salunke	80	82	81
2020401076	Shraddha Thaker	85	86	85.5


 Sheetal Chaudhari
 Mini Project
 Coordinator


 Rakesh Bhatnagar
 HOD

~~Sheetal Chaudhari~~

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2020 - 21
Major Project
List
(IT Dept)



Bharatya Vidya Bhawan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
Manki Nagar, Andheri (West), Mumbai,
(Autonomous Institute Affiliated to University of Mumbai)

DEPARTMENT OF INFORMATION TECHNOLOGY

CATEGORY I : MAJOR PROJECT List of Students

Academic Year – 2020-21

Group No.	UCID NO	Candidate Name	Guide Name	Project Title
C1.1	2017140057	Manas Sinkar	Prof. Swapnali Kurhade	Optimizing Multi-Agent Path Finding Approach for a Dynamic Environment
	2017140032	Sai Nimkar		
	2017140027	Mohammad Izhan		
C1.2	2018240074	Vrushali Shah	Dr. Prasenjit Bhavathankar	Markerless Augmented Reality based application for E-Commerce to visualise 3D content
	2017140010	Yashvi Desai		
	2017140049	Naisha Shah		
C1.3	2017140055	Harshit Singhania	Prof. Kailas Devadkar	Enabling Parallelism in Smart Contract Based Blockchain
	2017140028	Yash Muchhalia		
	2017140052	Sahil Sheth		
C1.4	2017140036	Vineet Pardhi	Prof. Varsha Hole	Generating Animated Scene from Text For Smart Learning
	2017140047	Kewal Shah		
	2017140061	Jaydeep Vaghasiya		
C1.5	2017140046	Janice Shah	Prof. Sheetal Chaudhari	Portfolio Management using multi objective optimization
	2017140050	Niti Shah		
	2017140058	Rahul Solanki		
C1.6	2018240069	Dikshita Patel	Prof. Renuka Pawar	Real Time Speech Translation
	2017140017	Shashank Gupta		
	2017140023	Minakshi Kudalkar		
C1.7	2017140015	Shubham Gogate	Prof. Jignesh Sisodia	Hand Gestures Recognition using Inertial Sensors through Deep Learning
	2017140020	Atul Kamble		
	2017140024	Dhawal Mali		
C1.8	2017140006	Harishankar Craganoor	Prof. Nikahat Mulla	Media file descriptor using Deep Learning
	2017140011	Parth Dosani		
	2017140037	Tirth Parekh		
C1.9	2017140034	Mridal Pandey	Prof. Jignesh Sisodia	Machine generated multimedia elements detection using deep learning
	2017140044	Bhavik Sanghvi		
	2017140051	Harsh Shelar		

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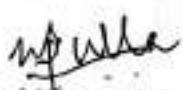
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Sehdev

B. Pandit

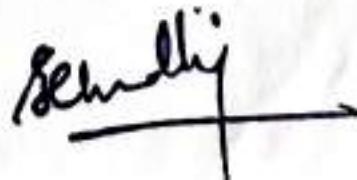


Group No.	UCID NO	Candidate Name	Guide Name	Project Title
C1.10	2017140003	Aniket Brahmecha	Prof. Aparna Halbe	LifeSpire(Detection and Diagnosis of diseases)
	2017140007	Rahul Dalvi		
	2017140043	Manasvi Sagathiya		
C1.11	2017120019	Vinayak Iyer	Dr. Radha Shankarmani	Decentralized Peer to Peer Crop Insurance
	2017140041	Saurabh Rane		
	2017140048	Kshitij Shah		
C1.12	2017140030	Bhumika Narwani	Prof. Aparna Halbe	A Quantitative approach to create a Hybrid stock filtering platform
	2017140031	Jatin Nawani		
	2017140042	Kareena Redij		
C1.13	2017140005	Vidhi Chhatbar	Prof. Renuka Pawar	Machine interpretation of medical images using deep learning
	2017140016	Mihir Gondhalekar		
	2018240071	Shruti Pimple		
C1.14	2017140021	Shubham Kejriwal	Prof. Swapnali Kurhade	Intrusion Detection System on Encrypted Data
	2017140022	Parth Kitawat		
	2017140054	Aakash Singh		
C1.15	2018240066	Yogesh Kamat	Prof. Varsha Hole	Online Learning System with Automatic Engagement Recognition using Machine Learning
	2018240070	Shubham Phansekar		
	2018240076	Hernant Upadhyay		
C1.16	2017140033	Shubhankar Nistane	Prof. Jignesh Sisodia	An I.O.T based rectification of posture using biofeedback
	2017140039	Rajat Patti		
	2017140040	Vaibhav Padke		
C1.17	2017140025	Vedant Mathur	Prof. Rupali Sawant	e-Health Monitoring System with Diet and Fitness Recommendation using Machine Learning
	2017140026	Divya Mogaveera		
	2017140064	Sagar Waghela		
C1.18	2017140004	Sudhanshu Chavhan	Dr. Prasenjit Bhavathankar	Prediction of Chest Diseases Using Chest X-ray Images
	2018240065	Ansari Sana Fatima		
	2018240075	Siddiqui Atique		
C1.19	2017140018	Mohd Jawwad	Prof. Nikahat Mulla	Personalized Employee Training
	2017140038	Patki Sharvesh		
	2017140045	Sankhe Viddhesh		
C1.20	2016340068	Jayesh Tiwari	Prof. Sheetal Chaudhari	OculusFaceMask: A Face Mask Detector


Prof. Nikahat Mulla
Project Coordinator


Dr. P.B. Bhavathankar
H.O.D., Information Technology Dept.







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DEPARTMENT OF INFORMATION TECHNOLOGY

CATEGORY II : MAJOR PROJECT List of Students

Academic Year - 2020-21

Group No.	UCID NO	Candidate Name	Guide Name	Project Title
C2.1	2017140002	Vrinda Bhatu	Prof. Rupali Sawant	Malware Detection and Defence Against Adversarial Attacks Using Machine Learning
	2017140019	Aayush Kamath		
	2017140035	Tejas Paranjape		
C2.2	2017140062	Sunit Vaidya	Prof. Kailas Devadkar	Real-Time Weather-Based Disaster Prediction
	2017140063	Kumail Virani		
	2017140029	Gokul Nambiar		
C2.3	2017140014	Yash Gandhi	Prof. Nikahat Mulla	Virtual Assistant for Enhancing English Speaking Skills
	2017140009	Ayushi Desai		
	2017140013	Jaynil Gaglani		
C2.4	2017140001	Riya Bhagat	Dr. Radha Shankarmani	Complex Document Classification and Integration with Indexing
	2017140060	Parth Thosani		
	2018240073	Nisarg Shah		
C2.5	2016140003	Meet Bawankar	Prof. Sheetal Chaudhari	Image to Recipe and Nutritional Information Generator using Deep Learning
	2018240068	Abhishek Mane		
	2012140014	Mrigaj Goradia		
C2.6	2018240072	Hemant Rathod	Prof. Renuka Pawar	Fake Profiles Detection using Machine Learning

Prof. Nikahat Mulla
Project Coordinator

Dr. P.B. Bhavathankar
H.O.D., Information Technology Dep.



SPIT

Information Technology Department TE IT MPH 2020-21

Batch	UID	Name of the Students	marks
A	2018140001	Abhishek Swaminathan Krishnan	37
A	2018140002	Addagarla Sanjana Surender	38
A	2018140003	Aditya Tanvi Dhananjay	39
A	2018140004	Agarwal Aaditya Mitesh	
A	2018140005	Agrawal Ravi Vivek	38
A	2018140006	Badlani Sagar Nandkumar	39
A	2018140007	Bakshi Kshitij Kapil	33
A	2018140008	Bane Atharva Prashant	35
A	2018140009	Bhoyer Sakshi Prakash	37
A	2018140010	Birajdar Dnyaneshwar Dayanand	35
A	2018140011	Chhadva Yash Sanjay	36
A	2018140013	Choudhari Shagun Pravin	37
A	2018140014	Darade Shreyas Kailas	35
A	2018140015	Dave Meet Nitin	38
A	2018140016	Dodhiwala Deep Paresh	37
A	2019240065	Deshmukh Saurabh Dilip	38
A	2019240069	Patil Saish Ravindra	37
A	2019240071	Nikki Wagholarikar	36
A	2019240072	Pranay Pradeep Yadav	36
Batch B			
B	2018140017	Dodiya Harsh Dinesh	36
B	2018140018	Gala Karan Pradeep	37
B	2018140019	Gandhi Jash Bharat	37
B	2018140020	Gandhi Parth Vimal	37
B	2018140021	Ganwani Pravesh Prakash	38
B	2018140022	Garud Aniket Gajanan	
B	2018140023	Gosar Aayush Lalit	37
B	2018140024	Gupta Luv Sameer	38
B	2018140025	Jadhav Manasi Rajendra	37
B	2018140026	Jain Chirag Ashok	38
B	2018140027	Jain Shreya Dinesh	37
B	2018140028	Jain Utkarsh Vipin	39
B	2018140029	Jaiswal Rounak Rajesh	36
B	2018140030	Kolambe Neha Sanjay	37



G 508 ~~Sheetal Chaudhary~~ ~~Bhavatharini~~
Sheetal Chaudhary P. Bhavatharini

Sheetal Chawdhary

P. Bhavathankar

B	2018140031	Kothari Harshkumar R.	39
B	2018140032	Kulkarni Rucha Manoj	38
B	2019240068	Nair Swathy Dhanesh	39
B	2019240070	Shah Om Viren	39
Batch C			
C	2018140033	Lakhani Neha Rajesh	39
C	2018140034	Lakhotiya Harshita Shrikant	38
C	2018140035	Malhar Atharva Dattatray	37
C	2018140036	Maniar Sarthak Atul	37
C	2018140037	Mehta Yash Dhiren	36
C	2018140038	Meshram Krish Pramod	32
C	2018140039	Mor Yash Lalit	37
C	2018140040	Mudassir Mohammad Anas A.	38
C	2018140041	Munot Rhythm Sanjay	37
C	2018140042	Pandita Harsh Sanjay	38
C	2018140043	Patil Aditi Madhukar	36
C	2018140044	Patil Kaustubh Sunil	38
C	2018140045	Patole Trupti Vilas	35
C	2018140046	Rajadhyaksha Madhur Milind	39
C	2018140047	Ranawat Manav Vipul	39
C	2018140048	Rao Bhargav Nagraj	36
C	2019240067	Landge Kshitija Sheshmal	34
C	2017140056	Surya Bhan Singh	33
C	2019240066	Shubham Ramchandra dobhal	drop
		Hemant Rathod	22
Batch D			
D	2018140049	Rathod Tejas Shivanand	33
D	2018140050	Satpute Sarvesh Dadasaheb	33
D	2018140051	Sawant Prerana Ajit	37
D	2018140052	Sawant Sahil Santosh	37
D	2018140053	Shah Jay Paresh	36
D	2018140054	Shah Krushna Chirag	36
D	2018140055	Shah Meet Paras	38
D	2018140056	Shenoy Rajat Raviraj	38
D	2018140057	Shetty Tanish Narendrakumar	36
D	2018140058	Shirode Atharva Dhananjay	34
D	2018140059	Sukhani Krish Lalit	37
D	2018140060	Suwangya Dhiral Manoj	34
D	2018140061	Vaidya Vidhi Ashwin	37
D	2018140062	Vishwakarma Ankit Lalit	37
D	2018140063	Wanjari Parth Mahendra	34



Sheetal Chaudhari

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P. Bhavatharkar

P. Bhavatharkar

D	2018140064	Yadav Deepak Ghanshyam	37
D	2018140065	Mayur doifode	37
D	2017140008	Manik Daya	33
D	2014140011	Manswi Dhodi	34

Sheetal Chaudhari

Bhavat



P. Bhavathankar

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2019-21 M^Y Project
List of students
(CIT Dept)
SE



Bharatiya Vidya Bhawan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year - 2020-21

MINI PROJECT-I - (S.E. IT SEM. IV) PROJECT GROUPS

Group No.	UCID NO	Candidate Name	Guide Name	Domain Area(s)	Project Title
1	2019140018	Kaustubh Funde	Prof. Jignesh Sisodiya	Deep Learning, Healthcare	The study of emotions of elderly people.
	2019140024	Amogh Godbole			
	2019140025	Vishal Gondke			
2	2019140013	Mohsin Chougale	Dr Radha Mani	Virtual Reality , Anroid App development	Virtual Tourism app
	2019140014	Larren Dsouza			
	2019140015	Limark Dcunha			
3	2019140059	Shreya Shetty	Prof. Nikahat Mulla	Machine Learning, Image Processing	KYC document verification with live video
	2019140060	Shruti Shetty			
	2019140057	Kushal Shah			
4	2019140002	Anushka Agrawal	Prof. Aparna Halbe	Web development, Machine learning	A platform to connect and help eunuchs
	2019140038	Aayushi Masurekar			
	2019140050	Tanvi Pen			
5	2019140029	Yug Jain	Prof. Rupali Sawant	Machine Learning, Data analysis	Customer Segregation
	2019140033	Pratik Khandelwal			
	2019140054	Devansh Rathod			
6	2019140005	Omkar Bandgar	Prof. Jignesh Sisodia	Machine Learning	Credit card fraud detection
	2019140007	Aditya Bapat			
	2019140017	Arnav Ekapure			
7	2019140010	Karen Castelino	Prof. Swapnali Kurhade	Machine Learning , data analysis	COVID 19 Prediction
	2019140012	Vaibhavi Chincholkar			
	2019140064	Shria Srivastava			
8	2019140001	Smrithi Agrawal	Varsha Hole Ma'am	Natural Language Processing / Machine Learning	Summarizing a google meet using an chrome extension
	2019140032	Aayush Kawathekar			
	2019140021	Vedant Gaonkar			

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Sehendip



9	2019140008	Prathamesh Bhoi	Prof. Swapnali Kurhade	Machine Learning, Deep Learning	Unwind
	2019140034	Sharli Kude			
	2019140046	Mitali Patel			
10	2019140022	Abha Gawande	Prof. Rupali Sawant	Machine Learning, Object Detection	Tool which can capture images of surroundings and describe the objects in speech
	2019140052	Atharva Ranade			
	2019140065	Rishabh Vira			
11	2019140063	Aakash Sondagar	Prof. Swapnali Kurhade	Deep Learning	Gender and Age detection of a person through his/her image
	2019140067	Aditya Wairkar			
	2019140069	Sarang Yogi			
12	2019140051	Kristen Pereira	Prof Prasenjit Bhavathankar	Machine Learning, Convolution neural network, Application development	Detection of plant diseases using convolutional neural networks.
	2019140045	Gaurav Parulekar			
	2019140043	Arjun Pansare			
13	2019140020	Parshav Gandhi	Prof. Rupali Sawant	Machine Learning, Natural Language Processing and Business Intelligence	Social Media Sentiment Analysis research and application using Twitter Bot
	2019140044	Aman Parikh			
	2019140037	Hrishikesh Landade			
14	2019140028	Gokul Ramanan	Dr. Radha S Mani	Blockchain & Cryptocurrency, Game development	Hash the Cash
	2019140036	Pranav Kumar			
	2019140061	Hardik Shrivastava			
15	2018140012	Aartee Chimate	Dr. Prasenjit Bhavathankar	App Development	Covid-19 Belt Using Hardware and Software + (App Development)
	DSE	Pratima Singh			
	2019140066	Sachin Vishwakarma			
16	2019140031	kunal kadam	Prof. Renuka Pawar	Machine learning, Deep Learning	COVID-19 X-ray Classification
	2019140049	Aamey Pawanarkar			
	2019140019	Pankaj Gaikwad			
17	2019140058	Rhugweda Shedge	Prof. Aparna Halbe	Data mining	Krishi, An e-commerce platform
	2019140009	Aditi Bhosale			
	2019140011	Shweta Chavan			
18	2019140026	Dhruvi Gopani	Dr. Radha S Mani	Web Development, Artificial intelligence, Data Mining/Web Scraping	Food Distribution Facilitation Platform
	2019140030	Jai Joshi			
	2019140039	Jeenal Mehta			
19	2019140042	Mihir Nikam	Prof. Nikahat	Machine Learning <i>(Signature)</i>	Breast Cancer

	2019140047	Rushil Patel	Mulla	Neural Network	Detection
	2019140053	Ameya Ranade			
20	2018140022	Aniket Garud	Prof. Sheetal Chaudhari	Artificial Intelligence	AI based attendance monitoring system
	2017140059	Tanmay Suryawanshi			
	2017140012	Kalpesh Gadhari			
21	2019140003	Dishita Ashar	Prof. Varsha Hole	Machine Learning, Web Development, Deep Learning	KarigarKiDuniya
	2019140048	Pranjal Patil			
	2019140016	Mansi Dwivedi			
22	2019140040	Prachi Mishra	Prof. Prasenjit Bhavathankar	Image Vision & Computer Vision	QR Code Scanner And It's Application In Learning
	2019140027	Nupur Gupte			
	2019140023	Mayuri Ghuge			
23	2019140006	Sandesh Banka	Prof. Renuka Pawar	Image Processing	Multiple Object Detection and Tracking using Yolov3, Tensorflow and DeepSort
	2019140041	Sarthak Nasit			
	2019140068	Akash Yadav			
24	DSE	Sakshi Shah	Prof. Renuka Pawar	Machine learning	Contact tracing of contagious disease using ML
	DSE	shraddha thaker			
	2019140004	sachin bagoriya			
25	2019140062	Rohan Sodha	Prof. Jignesh Sisodia	Machine learning, Image processing	Vehicle license plate detection & verification
	2019140056	Sahil Sawant			
	2019140055	Manan Savla			
26	2020401070	Joy Almeida	Prof. Sheetal chaudhari	Web development	Language based Web Chat Application
	2020401073	Dhananjay Salunke			
	2020401078	Anushka Sirsa			
27	2020401071	Jeet Mistry	Prof. Sheetal chaudhari	Android development using cloud database	Recruit'EM (Student Placement Application)
	2020401075	Sanka Shete			
	2020401072	Kadambari Suresh Patangrao			

Mulla

Prof. Nikhat Mulla
Project Coordinator
Information Technology Dept.

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Dr. P.B. Bhavathankar
H.O.D.,
Information Technology Dept

Bhavathankar

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2019-20
Major Project
List
(I-T Dept.)



Bhamatiya Vidya Bhavan's
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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year – 2019-2020

MAJOR PROJECT - CATEGORY - I - (B.E. SEM. VII-VIII) PROJECT GROUPS

Group No.	Group Members	Project Title	Guide
1	Anglekar Sumegh Manoj Chaudhari Urvee Rajeev Chitanvis Atul Shreerang	Inspectio Persona- a personality analysis platform	Dr. Radha Shankarmani
2	Dolly Lipare Palak Keni	System for risk Prediction of Lifestyle Diseases	Dr. Radha Shankarmani
3	Mihir Deodhar Shloka Sapru Gayatri Nipankar	Personalized entertainment recommendation system for improved user experience	Prof. K K Devadkar
4	Ayush Ghanekar Urvi Bhanushali Mukund Vora	Smart Medi-Care with Chatbot	Prof. K K Devadkar
5	Medar Mohanish Gadodiya Ram	Classification of Astronomical Data Using Machine Learning Algorithms	Prof. K K Devadkar
6	Rohit Sharma Siddhita Gurav Siddhesh Pawar	Epileptic Seizure Forecasting using Deep Learning	Dr. P.B. Bhavathankar
7	Sahil Parekh Priyanka Agnihotri Gargi Kadamb	A reliable Intrusion Detection System	Dr. P.B. Bhavathankar Prof. Dayanand Ambavade
8	Siddharth Pandey Azain Jaffer Raj Mehta	Blockchain based Direct Benefit Transfer System for Subsidy Delivery	Dr. P.B. Bhavathankar
9	Riya Deshpande Vishakha Kalal Prathmesh Patkar	Depression Detection System	Prof. Rupali Sawant
10	Radhika Vartak Jagruti koli Harshali Painter	Identification of minerals and vitamins deficiency and its effects on human body	Prof. Rupali Sawant
11	Pradnya Banate Gaurav Gosavi Chetna Chaudhari	Prediction of mental health illness	Prof. Rupali Sawant
12	Radnyec Mhatre Mansi Sankhe Somil Shah	Content search using object detection and audio analysis	Prof. Sheetal Chaudhari

M. P. Wala

Devadkar
G.R.Y

Sawant



Group No.	Group Members	Project Title	Guide
13	Chopade Mrunal Khan Sana Shaikh Uzma	Digital Forensics : Maintaining Chain Of Custody using Blockchain	Prof. Renuka Pawar
14	Yash Parekh Anukrit Jain Aashay Jain	Augment it Yourself	Prof. Renuka Pawar
15	Virkud Sarvesh Mehta Aditya Sanjay Necil Dabre	Drug Quality Check throughout Supply Chain using Blockchain Consent	Prof. Jignesh Sisodia
16	Sheth Rahil Alkesh Kabra Madhur Sunilkumar Rathi Pratik Omprakash	A tool helping towards project selection	Prof. Jignesh Sisodia
17	Mohit Thaker Sharyu Raut Sagar Landge	Recommending candidates based on CV	Prof. Varsha Hole
18	Jha Mukesh Pashupati Jha Jobanputra Sahil Bharatkumar Kamath Divya Sudhir	Text Summary	Prof. Varsha Hole
19	Nikita Tare Jayesh Tiwari Yash Karande	Enhanced Healthcare record management using blockchain	Prof. Varsha Hole
20	Gaurav Yadav Sudhanshu Upadhyay Rohan Trigune	Description to code using AI	Prof. Nikahat Mulla
21	Uzair Bagadia Jnanesh Bhat Jayant Bodkuwar	Air Travel Delay Insurance Safety	Prof. Aparna Halbe
22	Rohan Pawar Shruti Belgali Prajakta Kini	Video Analytics for Infraction Detection	Prof. Swapnali Kurhade
27	Varsha Kukreja	Towards Determining and delivering the most suitable form of diagrammatic representation by compressing lengthy texts	Prof. Aparna Halbe

Nikahat Mulla
Prof. Nikahat Mulla
Project Coordinator

P.B. Bhavithankar
Dr. P.B. Bhavithankar
H.O.D.,
Information Technology Dept.





Bharatiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 (Autonomous Institute Affiliated to University of Mumbai)
 Munshi Nagar, Andheri (West), Mumbai.

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year - 2019-2020
BE Sem VII-VIII-MAJOR PROJECT (CATEGORY 2) - Project Groups

Group No.	Group Members	Project Title	Guide
23	Jay Parekh Apurv Moroney Lavina Golani	Improving Cache Invalidation mechanisms in distributed systems	Dr. Radha Shankarmani
24	Sarah Sonje Jaswantsingh Pardeshi Harsh Dave	Auto web page generation: Using AI to convert design mockups into HTML and CSS	Prof. Sheetal Chaudhari
25	Hany Raza Advait Savant	Automatic and Specific Image Tagging using Machine Learning Techniques	Prof. Swapnali Kurhade
26	Anushree Kulai Sanyam Harne Piyush Jagtap	Automated essay grader	Prof. Swapnali Kurhade
28	Tanay Kulkarni Purnima Mokadam	Customer Reaction Sentiment Analysis	Prof. Nikahat Mulla

Mulla
 Prof. Nikahat Mulla
 Project Coordinator

R.B. Bhavathankar
 Dr. R.B. Bhavathankar
 H.O.D.,
 Information Technology
 Dept.



Shinde →

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Minor Pro
2019-20
IT dept
TEIT

course code- IT308



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SARDAR PATEL INSTITUTE OF TECHNOLOGY
Autonomous Institute Affiliated to Mumbai University
INFORMATION TECHNOLOGY DEPARTMENT
Academic Year 2019-20 (ITE SEM VI)

Gr	UID	Name	Project Title	Guide Name
1	2017140001	Bhagat Riya Manish	A Novel Approach to Solve Rubik's Cube Using Advanced Fridrich CFOP Algorithm	Aparna Halbe
	2017140009	Desai Ayushi Saumil		
	2017140003	Brahmecha Aniket Ashok		
2	2017140004	Chavan Sudhanshu Baliram	DETECTING A TWITTER CYBERBULLYING USING MACHINE LEARNING	Aparna Halbe
	2017140007	Dalvi Rahul Ramesh		
3	2017140006	Cranganoor Harishankar V.	Optimal Allocation and Scheduling of Buses	Aparna Halbe
	2017140010	Desai Yashvi Sanjaybhai		
	2017140011	Dosani Parth Vimal		
4	2017140013	Gaglani Jaynil Atul	Unsupervised WhatsApp Fake News Detection using Semantic Search	Aparna Halbe
	2017140014	Gandhi Yash Pragnesh		
	2017140015	Gogate Shubham Mangesh		
5	2017140016	Gondhalekar Mihir Anand	STUDY OF MSE AND SSIM OF CANNY EDGE DETECTION	Aparna Halbe
	2017140005	Chhatbar Vidhi Shailesh		
	2017140002	Bhatu Vrinda Suresh		
6	2017140026	Mogaveera Divya Shankar	Blockchain-based e-Tendering System	Radha Shankar Mani
	2017140018	Jawwad Mohd. Ismail		
	2017140024	Mali Dhawal Vilas		
7	2017140020	Kamble Atul Ambadas	QUESTCHECK: VALIDATING UNVERIFIED TEXTS FROM SOCIAL MEDIA USING MACHINE READING COMPREHENSION	Radha Shankar Mani
	2017140028	Muchhala Yash Ketan		
	2017140022	Kitawat Parth Manish		
8	2017140023	Kudalkar Minakshi Ajay	Self Learning Multi Agent Dialogue	Radha Shankar Mani
	2017140017	Gupta Shashank Shivmurat		
	2017140025	Mathur Vedant Anuj		
9	2017140027	Mohammad Izhan M.	Application of feature selection and random forest classifier on a medical dataset	Radha Shankar Mani
	2017140019	Karnath Aayush Prashanth		
	2017140029	Nambiar Gokul		
10	2017140030	Narwani Bhumika Ram	A HYBRID RECOMMENDATION SYSTEM FOR RESTAURANTS	Radha Shankar Mani
	2017140031	Nawani Jatin Gul		
	2017140021	Kejriwal Shubham Ajay		
11	2017140062	Vaidya Sunit Ashish	Real-Time Object Detection for	Radha Shankar
	2017140049	Shah Naisha Pragnesh		



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S. B. H. Dr. Bhawtharkar

	2017140050	Shah Niti Bhavesh	Visually Challenged People	Mani
12	2017140051	Shelar Harsh Jagdish	AI based conversational bot to assist user in planning and achieving academic goals	Radha Shankar Mani
	2017140052	Sheth Sahil Rajeev		
	2017120019	Iyer Vinayak Parameswaran		
13	2017140054	Singh Aakash Ajay	Automated Lip Reading using Word Level Sentence Prediction	Radha Shankar Mani
	2017140055	Singhania Harshit Sunil		
	2017140063	Virani Kumail Rizwan		
14	2017140064	Waghela Sagar Praful	Dysgraphia disease detection using handwriting analysis	Radha Shankar Mani
	2017140058	Solanki Rahul Budha		
15	2017140060	Thosani Parth Shailesh	Automation of Chat-Bot Communication Based On Former Conversations	Radha Shankar Mani
	2017140061	Vaghasiya Jaydeep Kishor		
	2017140057	Sinkar Manas Salil		
16	2017140057	Parekh Tirth Vipul	Automated essay Grader Using machine Learning	VARSHA HOLE
17	2016140002	Bawankar Meet	TAILORGAN OPTIMIZATION USING LOG HYPERBOLIC COSINE LOSS FUNCTION"	Varsha Hole
	2018240063	Mane Abhishek Anant		
	2018240075	Siddiqui Atique Naseem S.		
18	2017140045	Sankhe Viddhesh Kiran	Speech Separation Architecture to detect profanity in multi speaker environment	Varsha Hole
	2017140038	Patki Sharvesh Shrikant		
	2017140033	Nistane Shubhankar C.		
19	2017140035	Paranjape Tejas Pramod	Video Stegnography	Varsha Hole
	2017140036	Pardhi Vineet Govind		
	2017140047	Shah Kewal Jayesh		
20		Vaibhav Pudke Rajat pattu	Block Chain Solutions to overcome Issues and Challenges	Varsha Hole
21	2017140046	Shah Janice Rajesh	Abstractive Summarization of Amazon Reviews	Varsha Hole
	2017140042	Redij Kareena Nandkumar		
	2017140043	Sagathiya Manasvi Bipin		
22	2017140034	Pandey Mridul Ashok	INFORMATION RETRIEVAL AND MACHINE READING COMPREHENSION BASED CONVERSATIONAL SYSTEM	Varsha Hole
	2017140044	Sanghvi Bhavikkumar Dinesh		
23	2018240076	Upadhyay Hemant	User Engagement Recognition using Transfer Learning, Multi-task Classification and Depthwise Separable Convolutions	Varsha Hole
	2018240065	Kamat Yogesh Dhirendra		
24	2018240070	Phanekar Shubham Prashant		
	2018240073	Shah Nisarg Shailesh	Abstractive Text Summarization On Google Search	Varsha Hole
	2018240074	Shah Vrushali Atul		
	2018240069	Patel Dikshita Rajendra		



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S. Bhawathanker

Dr. Bhawathanker

Second Half 2018

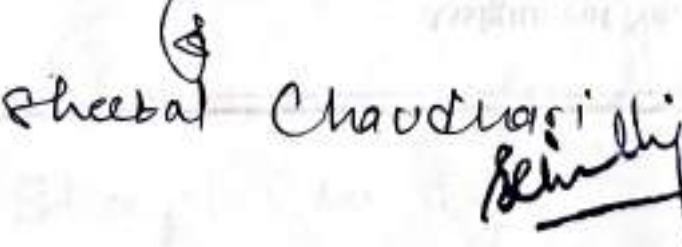
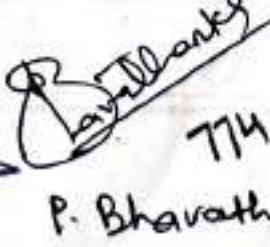
Bharatiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Autonomous Institute Affiliated to University of Mumbai)

Major
project
2018-19

**PROJECT PHASE I B.E. SEM. VII INFORMATION TECHNOLOGY
BRANCH**

Academic Year - 2018-2019

Sr. No	Name of the student	Title of the Project	Guide
1	2	3	4
1	Tamane Parth Sandeep	Direct to Consumer Marketing & Employment Awareness Portal	Dr. Radha Shankarmani
	Arya Anandprakash G.		
	Ail Shreya Harish		
2	Ambat Harshada Deoram	eduConnect	Dr. Radha Shankarmani
	Botnar Manisha Nivrutti		
	Patil Komal Pandurang		
3	Shetty Adhrit Vidyadhar	Peer to Peer based Decentralized Cloud Storage	Prof. K K Devadkar
	Puthusseri Kevin Sijo		
	Patil Mrunmayee Mahendra		
4	Shetty Akshat Vidhyadhar	Peer Assisted Parallel Downloading System	Prof. K K Devadkar
	Sinvhal Nisheet Sanjay		
	Mhatre Simran Harshvardhan		
5	Wagle Sanket Anil	Crop Recommendation based on Weather Prediction	Prof. K K Devadkar
	Dsouza Sasha Nicholas		
	Uttamani Saral Niraj		
6	Nehete Aashish Shirish	IOT	Dr. P.B. Bhavathankar
	Gandhi Disha Satyaprakash		
	Mehta Jeet Ranjit		
7	Thakkar Hardik Chandresh	Indoor Object Tracking using WiFi Access Point	Dr. P.B. Bhavathankar
	Tambe Suyog Suresh		
	Asher Vinit Mahesh		
8	Bhandari Pranav Unmesh	Smart Toll Collection System based on Vehicle Identification	Dr. P.B. Bhavathankar
	Madhavi Sushrut Paresh		
	Dahiya Aman Pradeep		
9	Jadhav Divya Vijay	Disease prediction using machine learning	Prof. Rupali Sawant
	Harsora Vidhi Harshad		
	Jaipuria Sanskruti Kishor		
10	Nadaf Shahnaz Babulal	Disease prediction using	Prof. Rupali Sawant


Mavle Pooja Vitthal	machine learning	
Narhire Neha Ramesh		
11 Jagdale Ninad Dnyaneshwar	Networks	Prof. Sheetal Chaudhari
Joshi Aastha Kamlesh		
Gandhi Rajvi Milan		
12 Punjabi Nikhil Anil	Dynamic Load Balancing in Software Defined Networks (SDN) using Machine Learning.	Prof. Sheetal Chaudhari
Shamdasani Mohnish Dilip		
Rupani Kunal Vinod		
13 Thakare Saurabh Uday	Authentication in IOT	Prof. Renuka Pawar
Tikarye Pratik M.		
Thulkar Piyush Sharad		
14 Toraskar Kaustubh M.	Plagiarism Detection	Prof. Renuka Pawar
Khot Sarvesh Balasaheb		
Kulkarni Nikhil Milind		
15 Dalvi Shubham Rajendra	Human Locomotion Detection using CNN	Prof. Jignesh Sisodia
Patil Sagar Ravindra		
Shah Akshay Kiritkumar		
16 Barua Bhaskar Bandan	Self Driving Cars in a 3D Virtual Environment using Computer Vision	Prof. Jignesh Sisodia
Gomes Clarence Thomas		
Baghe Shubham Ravindra		
17 Jalgaonkar Devika Pratap	VideoGen:A Video Synthesizer	Prof. Swapnali Kurhade
Gavali Hrithik Laxmikant		
Khedekar Kedar Kiran		
18 Chaudhuri Rajorshi Subir	Effective Storage and Summarization of Legal Documents	Prof. Swapnali Kurhade
Daswani Piyush Jaikumar		
Solanki Rudresh Ambarish		
19 Bhile Amey Arvind	Synchronized Video to Audio Description for Visually Challenged	Prof. Varsha Hole
Holani Gagan Pravin		
Shah Jay Rohit		
20 Pawar Utkarsha Ajit	Stock Market Prediction based on Twitter Data and News Articles	Prof. Varsha Hole
Pal Roshni Rajmani		
Zambare Karishma Yogesh		
21 Uttarwar Sayli Satish	AI Based Recruiting System	Prof. Nikahat Mulla
Gambani Simran Prakash		
Thakkar Tej Dhyanesh		
22 Bhagchandani Gaurav C.	Mukhtasar: A Natural Language Processor for Multi-Document	Prof. Nikahat Mulla
Bodra Deep Chandu		
Gangan Abhishek Rajendra		
23 Bhogle Aditya Ramchandra	Question Categorization based on Cognitive Level in Blooms Taxonomy	Prof. Aparna Halbe
Shinde Saurabh Shashikant		
Masugade Pranay Namdev		

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Sheetal

Bharathkumar

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Sheetal Chaudhari

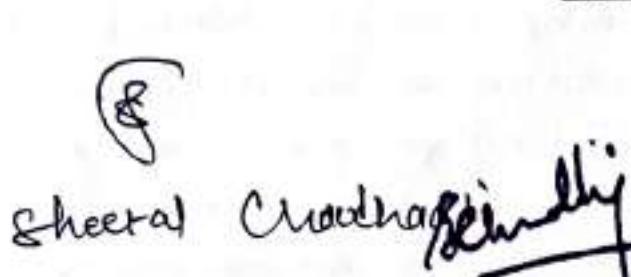
P. Bharathkumar



24	Bafna Arunima Sanjay Iyer Anushka Srinivasan Parkhe Asmita Ashok	BizIntel:An Intelligent Business Analyzer and visualizer	Prof. Aparna Halbe
----	--	--	--------------------

Date: _____

Name of the college: Sardar Patel Institute of Technology,
Andheri (West), Mumbai.

 
 Sheetal Chaudhary ~~P. Bhavathankar~~
 P. Bhavathankar



BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY
 (AUTONOMOUS INSTITUTE AFFILIATED TO UNIVERSITY OF MUMBAI)
 ACADEMIC YEAR: 2018 - 2019 SEM: VI
 T.E. INFO. TECH SUBJECT: Minor Project



Gr.	UID	Name	Project Title	Guide Name
1	2016140001	Anglekar Sumegh Manoj	Course Outcome Attainment and Analysis	Kailas Devadkar
2	2016140002	Bagadia Mohd Uzzair M.	Cryptostats and Cryptomania	Kailas Devadkar
3	2016140003	Bawankar Meet Shyamrao	Cryptostats and Cryptomania	Kailas Devadkar
4	2016140004	Belgali Shruti Prasanna	Chatbot for 11th and 12th Grade Students	Kailas Devadkar
5	2016140005	Bhanushali Urvi Jagdish	Rash driving Analysis for Safety Enforcement (R.A.S.E.)	Kailas Devadkar
6	2016140006	Bhat Jnanesh Radhakrishna	Cryptostats and Cryptomania	Kailas Devadkar
7	2016140007	Bodkurwar Jayant Nagareddy	Cryptostats and Cryptomania	Kailas Devadkar
8	2016140008	Chaudhari Urvee Rajeev	Course Outcome Attainment and Analysis	Kailas Devadkar
9	2016140009	Chitanvis Atul Shreerang	Course Outcome Attainment and Analysis	Kailas Devadkar
10	2016140010	Dave Harsh Chetan Dave	Rash driving Analysis for Safety Enforcement (R.A.S.E..)	Kailas Devadkar
11	2016140011	Deodhar Mihir Nitin	Chatbot for 11th and 12th Grade Students	Kailas Devadkar
12	2016140012	Doifode Mayur Gangadhara	Student Achievement Management System	Kailas Devadkar
13	2016140013	Dudhal Yogesh Subhash	Student Achievement Management System	Kailas Devadkar
14	2016140014	Gadodiya Ram Ravi	Chatbot for 11th and 12th Grade Students	Kailas Devadkar
15	2016140015	Ghanekar Ayush Sandeep	Rash driving Analysis for Safety Enforcement (R.A.S.E..)	Kailas Devadkar
16	2016140016	Golani Lavina Jagdish	Chatbot for 11th and 12th Grade Students	Kailas Devadkar
17	2016140017	Harme Sanyam Pradeep	Student Achievement Management System	Kailas Devadkar
18	2016140018	Jagtap Piyush Ravindra	Student Achievement Management System	Kailas Devadkar
19	2016140019	Jain Aasthay Shailesh Jain	Development of Engineering Institutes	Radha Shankarmani
20	2016140020	Jain Anukriti Anyj	Development of Engineering Institutes	Radha Shankarmani
21	2016140021	Jha Mukesh Pashupati Jha	Problem Solving Chatbot for Data Structures	Radha Shankarmani
22	2016140022	Johanputra Sahil Bharatkumar	Problem Solving Chatbot for Data Structures	Radha Shankarmani
23	2016140023	Jaffer Sayed Azain Sayed	Development of Engineering Institutes	Radha Shankarmani
24	2016140024	Kabra Madhur Sunil Kumar	Web Portal for Adaptive E-learning	Radha Shankarmani

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Dr. B. B. Patil
Principal

25	2016140025	Kamath Divya Sudhir	Development of Engineering Institutes	Radha Shankarmani
26	2016140026	Keni Palak Pramod	Web Portal for Adaptive E-learning	Radha Shankarmani
27	2016140027	Kini Prajakta Naresh	Scholarship Portal	Radha Shankarmani
28	2016140028	Koli Jagruti Ratna	Scholarship Portal	Radha Shankarmani
29	2016140029	Kukreja Varsha Ashok	Problem Solving Chatbot for Data Structures	Radha Shankarmani
30	2016140030	Kulai Anushree Raghunath	Student Achievement Management System	Radha Shankarmani
31	2016140031	Kulkarni Tanay Sainath	Web Portal for Adaptive E-learning	Radha Shankarmani
32	2016140032	Landscape Sagar Sundarlal	Web Portal for Adaptive E-learning	Radha Shankarmani
33	2016140033	Lipare Dolly Padmaraj	Scholarship Portal	Radha Shankarmani
34	2016140034	Mehta Aditya Sanjay	Medical Report Analysis and Smart Diagnosis	Renuka Pawar
35	2016140035	Mehta Raj Ramesh	Music Composer and Notation Converter	Renuka Pawar
36	2016140036	Mhatre Radnyee Shailendra	VIRTUAL ASSISTANT	Renuka Pawar
37	2016140037	Mokadam Purimma V.	Web Psychologist	Renuka Pawar
38	2016140038	Moroney Apurva Vineet	Medical Report Analysis and Smart Diagnosis	Renuka Pawar
39	2016140039	Nipankar Gayatri Makarand	Medical Report Analysis and Smart Diagnosis	Renuka Pawar
40	2016140040	Painter Harshali Tairaj	Web Psychologist	Renuka Pawar
41	2016140041	Pandey Siddharth Vinod	PC ASSEMBLER	Renuka Pawar
42	2016140042	Pardeshi Jaswantsingh R	Music Composer and Notation Converter	Renuka Pawar
43	2016140043	Parekh Jay Manoj	PC ASSEMBLER	Renuka Pawar
44	2016140044	Parekh Sahil Manish	Music Composer and Notation Converter	Renuka Pawar
45	2016140045	Parekh Yash Ajaykumar	VIRTUAL ASSISTANT	Renuka Pawar
46	2016140046	Pawar Rohan Sanjay Pawar	WOMEN SAFETY APP (bSecure)	Renuka Pawar
47	2016140047	Rathi Pratik Omprakash	WOMEN SAFETY APP (bSecure)	Renuka Pawar
48	2016140048	Raut Sharanya Kishor V. Raut	Web Psychologist	Renuka Pawar
49	2016140049	Raza Hany Syed Hasan	PC ASSEMBLER	Renuka Pawar
50	2016140050	Sankhe Mansi Anil Sankhe	VIRTUAL ASSISTANT	Renuka Pawar
51	2016140051	Sapru Shloka S B Sapru	Institute Level Admission System	P Bhavathankar
52	2016140052	Savant Advait Pravin	Stock Predictor Application	P Bhavathankar
53	2016140053	Shah Somil Anilkumar	Inventory Management System	P Bhavathankar
54	2016140055	Sharma Rohit Mapoj, Kumar	Inventory Management System	P Bhavathankar



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Mehsana, Gujarat

55	2016140056	Sheth Rahil Aklesh	Inventory Management System	P Bhavathankar
56	2016140057	Singh Anurag Jaledrapratap	Stock Predictor Application	P Bhavathankar
57	2016140058	Sonje Sarah Ashok Sonje	Institute Level Admission System	P Bhavathankar
58	2016140059	Tare Nikita Prakash	Inventory Management System	P Bhavathankar
59	2016140060	Thaker Mohit Ajay	Inventory Management System	P Bhavathankar
60	2016140061	Trigune Rohan M.	Stock Predictor Application	P Bhavathankar
61	2016140062	Upadhyay Sudhanshu Sanjay	Stock Predictor Application	P Bhavathankar
62	2016140063	Vora Mukund Viral	Inventory Management System	P Bhavathankar
63	2016140064	Yadav Gaurav Mohinder	Stock Predictor Application	P Bhavathankar
64	2016340065	Agnihotri Priyanka Ajay	Online Cab Service System	P Bhavathankar
65	2016340066	Kadam Gargi Shridhar	Online Cab Service System	P Bhavathankar
66	2016340067	Pawar Siddhesh Mangesh	Online Cab Service System	P Bhavathankar
67	2016340068	Tiwari Jayesh Dhampati	Doctor Appointment System	P Bhavathankar
68	2017240069	Banate Pradnya	Twitter Sentiment Analysis Using Machine Learning	Jignesh Sisodia
69	2017240070	Chaudhari Chenna	Twitter Sentiment Analysis Using Machine Learning	Jignesh Sisodia
70	2017240071	Chopade Mrunal	Charity Chain Management Using Blockchain	Jignesh Sisodia
71	2017240072	Dabre Necil	Emotion Recognition Using MobileNets	Jignesh Sisodia
72	2017240073	Deshpande Riya	Depression Detection Using Machine Learning	Jignesh Sisodia
73	2017240074	Gurav Siddhuita	Charity Chain Management Using Blockchain	Jignesh Sisodia
74	2017240075	Kalal Vishakha	Depression Detection Using Machine Learning	Jignesh Sisodia
75	2017240076	Karande Yash	Twitter Sentiment Analysis Using Machine Learning	Jignesh Sisodia
76	2017240077	Khan Sana	Charity Chain Management Using Blockchain	Jignesh Sisodia
77	2017240078	Patkar Prathamesh	Depression Detection Using Machine Learning	Jignesh Sisodia
78	2017240079	Shaikh Uzma	Charity Chain Management Using Blockchain	Jignesh Sisodia
79	2017240080	Vartak Radhika	Emotion Recognition Using MobileNets	Jignesh Sisodia
80	2017240081	Virkud Sarvesh	Emotion Recognition Using MobileNets	Jignesh Sisodia
81	2016340075	Medar Mohanish	Prediction of Crop Yield using Machine Learning	Jignesh Sisodia
82	2014140014	Gosavi Gaurav	Twitter Sentiment Analysis Using Machine Learning	Jignesh Sisodia

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*Amritsar Patiala Institute of Technology
Number 18*

Sardar Patel Institute of Technology

BTech. Project Groups (Academic Year: 2022-23)

Class: BTech. Electronics & Telecommunication

Category 1

Group No.	UID	Name of Student	Title	Guide
C1.1	2019120030	Santkruti Joshi	Speech Synthesis using surface electromyography	Dr. Reena Sonkusare
	2019120027	Ganima Gupta		
	2019120003	Priyanka Arora		
C1.2	2019120012	Anuj Chavari	Finger Vein Recognition Device	Dr. Sujata Kulkarni
	2019120050	Ishika Raghuvanshi		
	2019120004	Niranjan Badhe		
C1.3	2019120006	Jayesh Bane	Car Accident Insurance Claim Verification with ML	Dr. Reena Sonkusare
	2019120016	Aryan Dali		
C1.4	2018120047	Shivam Patel	Electricity Theft Detection with IoT	Dr. Y.S. Rao
	2018120018	Naraj Dhodi		
	2019120007	Blessed Siam Joshua		
C1.5	2018120014	Varun Contractor	Design and Development of Controller for Smart Syringe for ICU	Dr. Rajendra Sawant
	2018120059	Trupti Goginath		
	2018120016	Sohel Datta		
C1.6	2020201067	Purna Kale	Blockchain based counterfeit medicine authentication system	Prof. Manish Parmar
	2020201074	Rutuja Thorat		
	2019120066	Pranay Tiwari		
	2019120048	Gautri Pathkar		
C1.7	2019120061	Ishika Raipure	Job Recommender and career prediction using machine learning and data analysis	Prof. Sukanya Kulkarni
	2019120055	Sneha Savarkar		
	2019120035	Vishal Lohar		
C1.8	2019120014	Dhruv Choudhari	Kaam ka App	Prof. Milind Pataye
	2019120061	Sohail Prakash		
	2020201064	Yashendar Godambie		

(G)



[Signature]

EXTC - 2022-23

C1.9	2020201068	Kaustubh Mitra	Gesture Controlled Pick and Place Robot	Prof. Anand Mane
	2020201073	Sarvesha Shinde		
C1.10	2019120005	Keshav Thosar	Blockchain Based Virtual Tolling System using GPS and Image Processing	Prof. Dayanand Ambawade
	2019120010	Sreejit Chatterjee		
	2019120059	Hirgoond Singh		
C1.11	2019120031	yogesh kadam		Dr. Amol Deshpande
	2018120062	yugandhara wadkar		
	2019120019	rohit desai		
C1.12	2020201066	Sreeram K	Air Writing Recognition using Deep Learning	Prof.Sukanya Kulkarni
	2020201069	Shraddha Mishra		
	2019120022	Snehal Gadge		
C1.13	2019120028	Akashada Hadse	Manhole Detection and Monitoring System using Bot	Prof Anand Mane
	2019120029	Smriti istur		
C1.14	2019120049	Yuvraj Purohit	FAULT DETECTION IN TRANSMISSION LINE USING MACHINE LEARNING TECHNIQUES	Prof. Milind Paraye
	2019120052	Revanthi Jyothula		

Bewshir
Principal



M. M. Pawar
Project Coordinator
M. M. Pawar

ExTC - 2022-23

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B.Tech. Project Groups (Academic Year: 2022-23)
 Class: B.Tech. Electronics & Telecommunication

Category 2

Group No.	UID	Name of Student	Title	Guide
C2.1	2019120001	Khusni Agrawal	Birth certificates using blockchain	Prof Dayanand Ambawade
	2019120002	Manan Arora		
C2.2	2019120046	Gaurav Panchal	Early Warning System for Seismic Event	Dr. Sujata Kulkarni
	2019120058	Sara Sheth		
C2.4	2019120013	Vishnul Chokshi	Code Red SoS System	Dr Y S Rao
	2019120063	Atharva Sonavane		
C2.5	2019120032	Rinkit Koul		
	2019120008	Pirth Bywar	Applications of AI and Blockchain in Healthcare	Dr Reena Sonikusare
C2.6	2019120053	Nachiket Sankhe		
	2019120056	Milash Shah		
C2.8	2020201063	Chris Paul	Peer to Peer ride sharing using Blockchain	Prof Manish Parmar
	2020201070	Utsav Panchal		
C2.7	2020201072	Mohammed Saad Sayed		
	2019120043	Anishal Patole	IOT based real time vital physiological parameter monitoring system for asthma patients	Dr Rajendra Sawant
C2.9	2019120054	Suraj Sane		
	2019120057	Ayush Sharma		
C2.10	2019120018	Anupriya Dasgupta	App for stock Prediction, collaborative chatroom and fundamental analysis	Prof Milind Parwe
	2019120024	Oindrilla Ghosh		
	2019120034	Sanskar Loddha		
C2.10	2019120020	Dylan Desouza	Digital healthcare using Machine Learning for risks, disease prediction and blockchain to store patient data	Prof Manish Parmar
	2019120023	Aniket Gawade		
	2019120033	Sudhanshu Kulkarni		
	2019120011	Aditi Chaturvedi		
	2019120015	Shweta Choudhary	Music Recommendation System	Dr Anmol Deshpande
	2019120040	Richa Motwani		



ETC - 2022-23

ETC - 2022-23

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C2.11	2019120005	Hiten Bafna	Smart attendance system based on face recognition with AI/ML algorithms and CCTV footage	Dr Amol Deshpande
	2019120009	Husain Challawala		
	2019120017	Jai Dameri		
C2.12	2019120041	Saikrishna Muralidaran	Processing of satellite images for soil moisture detection and classification using ML	Dr. Sukanya Kulkarni
	2019120042	Nehrat Kauf		
	2019120044	Deeksha Pai		
C2.13	2019120068	Maitri Vora	Decentralizing portal for lodging FIR's using smart contracts	Prof Dayanand Ambawade
	2019120038	Siddharth Mohanty		
	2019120039	Adnan Mohoddin		
C2.14	2019120062	Darshan Somani	Market trend analysis using informatics	Dr Amol Deshpande
	2019120060	Pratham D Solanki		
	2019120064	Pranav Swaminathan		
C2.15	2019120045	Athirav Pallayil	Automated ATM surveillance system using machine learning	Prof Anand Mane
	2019120037	Swapnil Mandavilli		
	2019120024	Siddhant Evre		
C2.16	2019120025	Aryaman Gokarn	Electrocardiogram Analysis using Machine Learning	Prof Sukanya Kulkarni
	2019120047	Khusht Patni		


 Dr. Amol Deshpande
 Principal
 Project Coordinator
 M. M. P. University



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Sardar Patel Institute of Technology

Electronics and Telecommunication E:

T.E. EXTC, Sem VI, AY: 2022-23

Marksheet for Mini Project - II

Course Code: EC308, credit 3

Phase-I Marksheets

Sr No	Group No.	UID	Name	Guide	Title of Project
1	1	2020200023	Bhavesh Jadhav	Prof. Rajendra Sawant	IOT Enabled Remote Monitoring Web-Application for Telecom SMPS
2		2020200021	Saurabh sagawane		
3		2020200069	Parth yoganikar		
4	2	2020200020	Vijay Prasanna Gurubara	Dr. Sujata Kulkarni	
5		2020200018	Dil Gupta		Infant cry analysis and classification
6		2020200035	Ruchi Kowarkar		
7	3	2020200002	Tanya Anupam	Dr. Sujata Kulkarni	
8		2021201070	Narayan Gawas		Pest detection using Image processing
9		2020200068	Kevin Xavier		
10	4	2020200005	Akash Biswas	Prof. Manish Parmar, Prof. Anand Mane (Co-Mentor)	'MediTrack Plus' A comprehensive disease detection and healthcare management
11		2020200027	Vishal Jha		
12		2020200034	Vyom Khare		
13	5	2021201076	Shaishank Jagtap	Prof. Manish Parmar	Diabetic SmartStep: A Footwear Solution for Diabetic patient Detection and Monitoring
14		2021201077	Shubham Shirke		
15		2021201078	Rutika Shinde		
16	6	2020200029	Alisha Kadam	Prof. Dayanand Ambawade	Parking Management system using Blockchain
17		2020200044	Leukik Patade		
18		2020200051	Rohan Rane		
19	7	2020200019	Shreya Gurav	Prof. Dayanand Ambawade	
20		2020200039	Darshan Lahamage		Blockchain based E-Voting System
21		2020200049	Sandeep Pillai		
22	8	2020200015	Shruti Gautam	Dr. Reena Sonkusare, Prof. Sneha Weakey (Co-Mentor), Prof. Dayanand Ambawade (Co-Mentor)	Design of SPIT EXTC Department Website - Full Stack Development
23		2020200056	Chirag Wadhwani		
24		2020200040	Vireet Mankani		
25	9	2020200052	Omkar Vaidya	Prof. Sneha Weakey	Temperature Based Mobile Fast Charger & Mobile Cooler
26		2020200064	Swarangi Vedpathak		
27		2021201079	Virendra Mahajan		
28	10	2020200041	Nishali Dhanashika	Dr. Reena Sonkusare	
29		2020200045	Preet Patil		Firmware development for 3 phase energy measurements
30		2020200048	Yogendra Pawar		
31	11	2020200034	Nikhil Binnar	Prof. Rajendra Sawant	IOT enabled remote monitoring application for telecom SMPS
32		2020200053	Akash Salgar		
33		2020200007	Swapnil Chavhan		
34	12	2020200042	Adit Padgaonkar	Dr. Sukanya Kulkarni	Crucibo - Full stack development
35		2021201071	Gaurang Gawas		
36		2020200011	Keerli Dikwania		
37	13	2020200017	Riya Goanka	Prof. Anand Mane	Driver Drowsiness Detection
38		2020200087	Siddharth Warrier		
39	14	2020200032	Shubham Kanhere	Prof. Amol Deshpande, Prof. Sneha Weakey (Co-Mentor)	Automatic parcel sorting system using OCR and Image processing
40		2020200016	Kaustubh Ghare		
41		2021201080	Siddhesh Chougule		
42	15	2020200022	Yug Prakash Haralkar	Prof. Pallavi Malame	
43		2020200030	Utsav Kalm		Fingerprint based attendance system
44		2020200026	Aryan Jaiswal		
45	16	2020200081	Akshat Tickoo	Dr. Y. S. Rao	
46		2020200033	Jatin Karkera		Fingerprint Based Biometric Voting Machine
47		2020200025	Khush Jain		
48		2020200065	Aryan Verma		



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Bhavesh Jadhav

49		2020200057	Harshvardhan sethia	Prof. Amol Deshpande	Predictive modeling of Fraud charges for Health care services
50	17	2020200014	Palaash gandhi		
51		2020200024	Heet Jain		
52	18	2020200056	Siddharth Sasane	Prof. Milind Paraye	Measuring High Voltage and High Current
53		2020200054	Onkar Salvi		
54		2020200059	Piyush Soni	Prof. Pallavi Malame	Precise Detection of Distance in Underground Cable Fault
55	19	2020200036	Sangharsh Kuldipkar		
56		2020200052	Prathamesh Rathod		
57		2021201075	Suyash Bargal		
58	20	2020200009	Shreyas Dherange	Dr. Anand Mane	A Swashplateless Micro Air Vehicle
59		2020200058	Navinder Singh		
60		2020200013	Srushti Gaikwad		
61	21	2021201073	Sahil Patil	Prof. Milind Paraye	Monitoring iv curve pv curve of solar panel
62		2020200038	Harshal Lade		
63		2020200010	Tejas Dhurwe		

Abd
Miniproject
Co-ord. no. 202



Re

Sehgal
Principal
Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
Munshi Nagar, Andheri (W),
Mumbai-400 058.

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BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY

, MUNSHI NAGAR , ANDHERI(W), MUMBAI 400058

B.E. Project Groups (Academic Year 2021-22)

Electronics and Telecommunication Engineering

Category 1(Summer)

Group No	UID	Name of Student	Guide	Title
C1.1	A 2019220069	Om Chaurasia	Dr. Y.S.Rao	IOT Based Mobile Electronic Lab
	B 2018120011	Rajas Chodankar		
	C 2018120049	Kamal Raisinghani		
C1.2	A 2018120024	Aditya Harsora	Dr. R.R.Sawant	An expert system for the condition
	B 2018120052	Ayush Sharma		
	C 2018120051	Dipankar Sen		
C1.3	A 2018120035	Janvi Khandelwal	Dr. Reena Sonsukare	Analysis in Healthcare based on M
	B 2018120037	Hrishikesh Lokhande		
	C 2018120004	Anubhav Anand		
C1.4	A 2018120027	Mrityunjay Joshi	Dr. Reena Sonsukare	Detection of Mental Health Hazard
	B 2018120009	Shubham Chavan		
	C 2018120006	Aayush Bagrecha		
C1.5	A 2018320064	Jai Dalvi	Dr. Sujata Kulkarni	Template protection using data enc
	B 2018120053	Vyomesh Sharma		
	C 2018120056	Ruchika Shetty		
C1.6	A 2019220068	Riya Chakke	Dr. Sujata Kulkarni	Climate Classification using Lands
	B 2018120032	Gulsheet Kaur		
	C 2018120043	Aanchal Pandey		
C1.7	A 2018120002	Varun Agnihotri	Prof. D.D.Ambawade	Automation of the agricultural insur
	B 2018120038	Komal Koppaka		
	C 2018120042	Praharsha Nuti		
C1.8	A 2018120026	Vansh Jain	Prof. D.D.Ambawade	Medical locker using Dbms, NLP A
	B 2018120030	Sharvari Kalgutkar		
	C 2018120045	Kshitij Parab		
C1.9	A 2018120013	Soham Chotalia	Prof. ManishParamar	Network Fault Management using
	B 2018220075	Vedika Thakare		
C1.10	A 2018120015	Ankit Datta	Prof. ManishParamar	Biker Safety System
	B 2018120063	Yellamraju V H Sai Ta		
	C 2017120026	Ninad Kale		
C1.11	A 2019220070	Hritika Narvekar	Prof. Anand Mane	
	B 2019220071	Prachi Pawar		



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Rehanda
Prachi Pawar

	C	2019220073	Sweta Sharma		PCB fault detection using Classification
C1.1 2	A	2018120007	Yash Bhadane	Prof. Anand Mane	
	B	2018120041	Naveen Bharathirama		Toxicity/Hate speech detection
	C	2018120055	Rahul Shetty		
C1.1 3	A	2018120012	Nikita Chopde	Prof. Vijaya Kamble	
	B	2018120017	Sampada Deshpande		Flood Surveillance
	C	2018120021	Maitreyi Ekboté		
C1.1 4	A	2018120028	Niharika Kadam	Prof. Vijaya Kamble	
	B	2019220067	Nirmal Attarde		Bank Loss predictor
	C	2018120010	Brijesh Chawan		
C1.1 5	A	2018120019	Alvan Dmello	Dr. Amol Deshpande	
	B	2018120025	Aishwary Jadhav		Portfolio Optimization using Statistical
	C	2018120029	Jui Kale		
C1.1 6	A	2019220072	Chinmayi Rane	Dr. Amol Deshpande	
	B	2018120058	Jairesh Singhal		Data driven analysis for Startup Inv
	C	2018120061	Yash Wadalkar		
C1.1 7	A	2018120001	Priya Agarwal	Prof. Milind Paraye	
	B	2018120050	Harsh Salkar		An Automated Web Phishing Dete
	C	2018110038	Smiti Poddar		
C1.1 8	A	2018120003	Ramanansri Aiyar	Prof. Milind Paraye	
	B	2018120005	Ayush Raj		Fault Detection of PV cell
	C	2018120048	Nikhil Prajapati		
C1.1 9	A	2018120020	Harsh Dungarani	Prof. Pallavi Nair	
	B	2018120023	Yagnesh Gotad		
	C	2018120060	Upadrashta Suryasuri		Antenna optimization using Machine
C1.2 0	A	2017120033	Arnol Lashkare	Dr. Amol Deshpande	
	B	2019220066	Pallavi Abhale		Early stage Detection of Multiple S
C1.2 1	A	2018120038	Tejas Naik	Dr. R.R. Sawant	
	B	2018120040	Rajat Naoghare		
	C	2018120046	Darshit Patel		Real Time Logistics Management

Category 2 (2021.22)

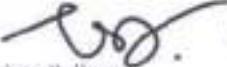
Group No	UID	Name of Student	Guide	Title of Project
C 2.1	A	2018120031	Dr. Y.S Rao	*Energy-efficient scheduling for mu
C 2.2	A 17	2018120008	LV Aditi Chaluvadi Dr. R.R. Sawant	



8/1/2021

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	B	2018120034	Karan Kedia		
	C	2018320065	Avit Rane		Exploring techniques to reduce no
C 2.3	A	2018120033	Kaustubh V	Dr. Suknya Kulkarni	
	B	2018120039	Gokul Nair		Multiple Channel Perfect Reconstr
	C	2018120057	Arseta Singh		
C 2.4	A	2018120054	Gauri Shetty	Dr. Suknya Kulkarni	de optimization of a 5G NR System
C 2.5	A	2015220065	Priyanka Berad	Prof. Pallavi Nair	Leaky wave Antenna


Dr. Sujata Kulkarni
Project Coordinator


Dr. Reena Sonkusare
HOD , EXTC



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2021-2022

Sardar Patel Institute of Technology

Electronics and Telecommunication Engineering Department

S.E. EXTC, Sem IV, AY: 2021-22

Mini Project - I Groups

Course Code: EC208, credit 2

Group No.	UID	Name	Guide	Title	(TOTAL)100
I	2020200043	Guruprasad Parasnath	Dr. Reena Sonkusare	Smart Fitness Tracker with Bluetooth	92
	2020200044	Laukik Patade			92
	2020200042	Tanmay Gadgil			92
II	2020200036	Aryaa Jaiswal	Prof. Manish Parmar	Automated Door System	92
	2020200027	Vishal Jha			92
	2020200020	Vijay Prasanna Gurubaran			92
III	2020200022	Yug Harlalka	Dr. Sujata Kulkarni	Vital Signs Monitoring of COVID-19 Patients	83
	2020200034	Vyom Khare			84
	2020200035	Jatin Karkera			84
	2020200030	Utsav Kaim			86
IV	2020200066	Chirag Wadhwan	Dr. Amol Deshpande	Automatic Post Letters/ Cards segregation machine	85
	2020200032	Shubham Kanhere			90
	2021201080	Siddhesh Choughule			90
V	2020200060	Kunal Thakur	Dr. V. S. Rao	Brindavan Garden (using Led lights)	89
	2020200055	Roshikesh Sangole			81
	2020200065	Aryan Verma			81
VI	2020200055	Ruchi Kowarkar	Prof. Manish Parmar	Water Level Indicator	87
	2020200018	Dil Gupta			87
	2020200064	Swarangi Vedpathak			87
VII	2020200003	Harish Balasubramanian	Prof. Dayanand Ambawade	Blockchain for Medical Records	86
	2020200002	Tanya Anupam			81
	2020200068	Kevin Xavier			81
VIII	2020200005	Akash Biswas	Prof. Manish Parmar	Password Based Door Lock System	88
	2020200011	Keerti Dhadwania			88
	2020200017	Riya Goenka			88
IX	2020200056	Kaustubh Ghare	Prof. Pallavi Malame	Diode Circuitry for Educational Purposes	87
	2020200028	Aarnav Joshi			87
	2020200069	Parth Yogoankar			87
X	2020200057	Aditya Kulkarni	Dr. Reena Sonkusare	Dynamic Traffic Signal (using signal Processing and Machine Learning)	93
	2020200049	Sandeep Pillai			93
	2020200051	Rohan Rane			93
XI	2020200004	Nikhil Binnar	Dr. Sujata Kulkarni	police siren	85
	2020200009	Shreyas Dherange			85
	2020200059	Piyush Soni			77
XII	2020200019	Shreya Gurav	Prof. Dayanand Ambawade	Identity Access Management	88
	2020200039	Alisha Kadamb			89
	2020200063	Vrushali Varude			89
XIII	2021201070	Narkyan Gawas	Dr. V. S. Rao	Home care (topic name)	94
	2021201075	Shashank Jagtap			93
	2021201078	Rutika Shinde			93
XIV	2020200038	Harahai Lade	Dr. V. S. Rao	Educational Robot (EDU-	94
	2020200041	Niebali Dhanashika			95

3
S. Sonkusare
HOD
(Reena Sonkusare)
Project Co-ordinator
(Sneha Weakey)



	2020200050	Monish Rane		ROBO)	95
XV	2020200040	Vineet Mankani	Prof. Anand Mane	FaceTrack: Face Recognition Record System	85
	2020200015	Shruti Gautam			85
	2020200013	Sruashit Gaikwad			85
					85
XVI	2020200038	Janhavi Dangle	Prof. Anand Mane	STOCK ANALYSIS and Prediction	85
	2020200014	Palaash Gandhi			85
	2020200057	Harshvardhan Sethia			85
XVII	2021201072	Mitali Sherkhane	Dr. Rajendra Sawant	WIRELESS AC POWER DETECTOR	93
	2021201075	Suyash Bargal			93
	2021201079	Virendra Mahajan			93
XVIII	2021201073	Sahil Patil	Prof. Sneha Weakey	Solar Based Charger and Power Bank	78
	2020100053	Akash Salgar			77
	2020200058	Navinder Singh			77
XIX	2020100045	Preeti Patil	Dr. Amol Deshpande	Vegetable disease detection using image processing	82
	2020100048	Yogendra Pawar			82
	2020100052	Prathamesh Rathod			76
XX	2020100036	Sangharsh Kuldipkar	Dr. Sukanya Kulkarni		91
	2020200039	Darshan Lahamage			91
	2020200042	Adit Padgaonkar			60
XXI	2020200062	Omkar Vaidya	Prof. Milind Paraye	Smart water quality monitoring system with cost-effective using IoT	90
	2020200054	Onkar Salvi			90
	2020200056	Siddharth Sasane			90
XXII	2020200061	Akshat Tickoo	Dr. Sujata Kulkarni		73
	2020200024	Heet Jain			73
	2020100005	Khush Jain			73
XXIII	2021201074	Rima Pachkale	Prof. Pallavi Malambe	IOT Based Garden Monitoring System	95
	2021201077	Shubham Shirke			95
	2021201071	Gaurang Gawas			95
XXIV	2020200010	Tejas dhurve	Dr. Rajendra Sawant		102
	2020200033	Bhavesh jadhav			94
	2020200067	Siddarth warrler			94
XXV	2020200006	Aitharva Chaudhari	Prof. Milind Paraye	Obstacle avoiding vehicle	79
	2020200007	Swapnil Chavan			79
	2020200047	Gaurav Pawar			0
XXVI	2020200001	Anirudh Prakash	Prof. Sneha Weakey		59
	2020200021	Saurabh Sunil Hegwane			59
	2020200031	Sarthak kambli			59



Sneha Weakey (Project Co-ordinator)
Sneha Weakey

HOD
(Reena Sonkusare)

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Sardar Patel Institute of Technology
Electronics and Telecommunication Engineering

T.E. EXTC, Sem VI, AY: 2021-22

Marksheet for Mini Project - II

Course Code: EC308, credit 3

ISE, ESE Marksheets

Sr No	Group No	UID	Name	Guide	Title of Project
1	1	2019120065	THOSAR KESHAV JAY	Prof. D. Ambawade	Automatic Fault Management for Network Systems
2		2019120055	SAVARKAR SNEHA DEVANAND		
3		2020201074	THORAT RUTUJA RAMESH		
4	2	2019120003	ARORA PRERNA JITENDRAKUMAR	Dr. Sujata Kulkarni	Finger Vein Recognition Device
5		2019120012	CHAVAN ANUJ PRAFULLA		
6		2019120050	RAGHUWANSI ISHIKA RAJESH		
7	3	2020201064	GODAMBE MANDAR RAJENDRA	Prof. Milind Parayé	IOT Based Solar Panel Power Monitoring
8		2020201068	MHATRE KAUSTUBH JANARDAN		
9		2020201073	SHINDE SARVESH RAJENDRA		
10	4	2019120004	BADHE NIRANJAN VIJAY	Prof. Manish Parmar	IoT based Smart AC Control System
11		2019120006	BANE JAYESH VIKAS		
12		2019120016	DALI ARYAN MAYUR		
13	5	2019120010	CHATTERJEE SREEJIT	Prof. Sneha Weekey	Self Learning Braille System
14		2019120048	PETHKAR GAURI		
15		2019120051	RAIPURE ISHIKA		
16	6	2019120007	BLESSED SAM JOSHUA	Dr. Reena Sonkusare	Health Monitoring System using IOT
17		2018120014	VARUN CONTRACTOR		
18		2018120016	SOHEL DATTA		
19	7	2019120052	Revanth Jyothula	Dr. Sujata Kulkarni	
20		2019120066	TIWARI PRANAY DHARMENDRA		
21		2019120049	PUROHIT YUVRAJ MITHALAL		
22	8	2019120027	GUPTA GARIMA DEVESH	Dr. Sukanya Kulkarni	IOT Based Depression
23		2019120030	JOSHI SANSKRUTI SATISH		
24		2019120028	HADAL AKSHADA RAMESH		
25	9	2019120029	ISLUR SMRITI VENKAT	Prof. Anand Mane	Automatic Room Lighting System using 8051
26		2020201067	KALE PURVA VISHWAS		
27		2020201066	SREERAM K		
28	10	2020201069	SHRADHHA Mishra	Prof. Pallavi Malame	Real Time Face Mask Detector and Dispenser
29		2019120059	Hargobind Singh		
30		2018120062	Yugandhara Wadikar		
31	12	2018120018	Niraj Dhodi	Dr. Y. S. Rao	Human Machine Interface
32		2018120047	Shivam Patel		
33		2019120019	Rohit Desai		
34	13	2019120031	Yogesh Kadamb	Prof. Amol Deshpande	smart walking stick for blind
35		2019120014	CHOURHARI DHIRAJ SHASHIKANT		
36		2019120035	LOHAR VISHAL SHANKERLAL		
37	14	2019120061	SOLANKI PRATHAM PRAKASH	Prof. Rajendra Sawant	Battery Charger Fault alarming system


Mini Project
Coordinator

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Principal
Bharatiya Vidya Bhavan's
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Munshi Nagar, Andheri (W),
Mumbai-400 058.



Bhartiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
Munshi Nagar, Andheri(W), Mumbai – 400 058. (Autonomous)
Institute Affiliated to University of Mumbai)
Electronics and Telecommunication Engineering Department

B E Project Evaluation AY . 2020.21. Category I

Group No	UID	Student	Guide	Experts	Title of Project
C1.1	A 2017120054	Arnogh Zare	Dr. Y. S. Rao	Dr.R.R.Sawant	Edge Computing: Bringing ML closer to the nodes
	B 2017120055	Shingala		Leena	
	C 2016120025	Khandelwal			
C1.2	A 2017120016	Ruchi Gupte	Dr. Y. S. Rao	Dr.R.R.Sawant	Symptomatic flu hotspot detection using thermal imaging
	B 2017120032	Urja Kulkarni		Leena	
	C 2017120052	Rege			
C1.3	A 2017120033	Yadahalli	Dr. R.R. Sawant	kulkarni	Bone Deformity Detection
	B 2018220076	Zambare		Narawade	
	C 2017120043	Aditi Parmar			
C1.4	A 2017120002	Agrharkar	Dr. R.R. Sawant	Dr. Sujata kulk	against spred of novel coronavirus using Deep
	B 2017120045	Minir Patel		Dr. Pradeep Na	
C1.5	A 2017120038	Pritam Mane	Dr. Reena Sonkusare, Prof.Pallavi Malame	Dr.Sukanya	Implementation of 3D mapping for indoor environment
	B 2017120036	Sreekar L		of.Pallavi Malan	
	C 2017320078	Vedant Kumar		Weakey	
C1.6	A 2017120027	Kaondal	Dr. Reena Sonkusare,D r. Rita Das	Dr.Sukanya	Automated dimension measurement system
	B 2017120025	Kakirdre		Dr. Rita Das	
	C 2017320079	Shubham Jain		Malame	
C1.7	A 2017120041	Piyush Mishra	Dr. Sukanya Kulkarni Prof. Sneha Weakey	Sonkusare	A AI based stock market prediction system
	B 2017120042	Pratik Pal		Weakey	
	C 2017120059	Singh			
C1.8	A 2017120021	Manav Jain	Dr. Sukanya Kulkarni	Sonkusare	Tourism Footfall Prediction
	B 2017120022	Kaushik Jha		Kulkarni	
	C 2017120024	Vrushali Joshi			
C1.9	A 2017120020	Jadhav	Dr. Sujata Kulkarni	Parmar	Automated Algorithmic Treding System
	B 2017120037	Mahajan		Kamble	
	C 2017120054	Salian			
C1.10	A 2018220070	Rahul Mane	Dr. Sujata kulkarni	Parmar	Natural Disaster Prediction using ANN
	B 2018220069	Lambade		Kamble	
	C 2018220074	Ravish Shah			
C1.11	A 2017120001	Abhang	Prof D D Ambawade, Dr Sujata Kulkarni	Parmar	Impact of interstitial Lung Diseases and Covid-19 on the body
	B 2017120003	Shriya Akella		Kamble	
	C 2017120028	Kaushik			
C1.12	A 2017120005	Hant Bandi	Prof D D Ambawade	Parmar	Sentiment tool for stock index movement prediction comprehensible using XAI
	B 2017120006	Bhagat		Paraye	
	C 2017120023	Suyash Joshi			

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C1.13	A	2018220072	Nimble	Prof. Manish Parmar, Prof Vijaya Kamble	Prof Amabwade	comparative and predictive analysis in healthcare using Machine Learning Algorithms
	B	2018220065	Chavan		Dr Sujata	
	C	2017120038	Mandani			
C1.14	A	2017120008	Chaudhari	Prof. Manish Parmar, Prof Ambawade	Kamble	Humanely : A social media platform for emergencies
	B	2017120015	Gupta		Paraye	
	C	2017120017	Rupal Handoo			
C1.15	A	2017120040	Mehendale	Prof. Anand Mane	Parmar	Investment Analysis based on principles of Value Investing using ML
	B	2017120049	Ramina		Kulkarni	
	C	2017120056	Kailasanathan			
C1.16	A	2017120018	Sarah Hawa	Prof. Vijaya Kamble	Ambawade	Hybrid fake news detection platform with an AI driven recommendation system.
	B	2017120035	Lanita Lobo		Prof Milind	
	C	2018220067	Unnati Dogra		Prof Amol	
C1.17	A	2017120058	Ayush Singh	Prof. Vijaya Kamble	Prof Sujata	Food Recommendation system
	B	2017120060	Harsh Sonni		Ambawade	
	C	2017120061	Oshin Tagde		Prof Amol	
C1.18	A	2017120051	Chinmay Raut	Prof. Milind Paraye	Kamble	Supply chain management solution
	B	2018220073	Pandya		Deshpande	
	C	2017120011	Siddharth Das			
C1.19	A	2018220071	Mhatre	Prof. Milind Paraye	Kamble	Breast Cancer Detection usinh ML
	B	2017320077	Mihir Gedkar		Deshpande	
	C	2017120044	Parulekar			
C1.20	A	2017120047	Soham Pinge	Prof. Amol Deshpande	Kamble	Dimensional Analysis and 3D Reconstruction
	B	2017120057	Amey Singh		Paraye	
	C	2017120052	Wadhwavkar			
C1.21	A	2017120046	Mehul Patole	Prof. Amol Deshpande	Kamble	Offline Marathi Character to Text Converstion
	B	2017120034	Lingayat		Paraye	
	C	2017120050	Ransing			
C1.22	A	2016120061	Udhwanil	Prof. Milind Paraye	Kamble	Facial classifier for infrastructure security
	B	2016120056	Sonawane		Deshpande	
	C	2016120037	Rajan Pawar			
C1.23	A	2017120004	Badhan	Dr. Reena Sonkusare, Prof. Sneha Weakey	Kulkarni	Weed Detection using Stereovision
	B	2017120012	Kimaya Desai		Weakey	
	C	2017120013	Manish Dsilva		Malame	
C1.24	A	2018220068	Sonal Kamble	Prof. Anand Mane	Parmar	Hospitello- An android app to analyse availability of hospitals and hospital beds using ML.
	B	2018220066	Chintrate		Kulkarni	
	C	2016120022	Kardel			
C1.25	A	2017120029	Kaware	Dr. Sukanya Kulkarni	Sonkusare	Periocular Recognition using CNN based Feature Extraction and
	B	2017120030	Kayande		Kulkarni	
	C	2017120031	Khambete			
C1.26	A	2017120007	Chaudhari	Prof. D.D. Ambawade	Parmar	Yog Guru real time yoga pose correcting system using Deep Learning
	B	2017120010	Omkar Dalvi		Kamble	
	C	2017120048	Ramade			

Box: Schudly

Dr. Sujata Kulkarni
Project co ordinator

Re

Dr. Reena Sonkusare
H.O.D. EXTC





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SARDAR PATEL INSTITUTE OF TECHNOLOGY

Munshi Nagar, Andheri(W), Mumbai – 400 058. (Autonomous Institute Affiliated to University of Mumbai)

Electronics and Telecommunication Engineering Department

B E Project Evaluation AY . 2020.21.category I

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S. Baudhai



18	9	4	5	36	13	10	5	9	37	19
18	9	4	5	36	13	10	5	9	37	19
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18	8	5	5	36	13	9	5	10	37	18
18	8	5	5	36	13	9	5	10	37	18
18	8	5	4	35	14	10	5	9	37	19
18	8	5	4	35	14	10	5	9	37	19
18	8	5	4	35	14	10	5	9	37	19

Sujata
Dr. Sujata Kulkarni
Project co ordinator

Bhavna

Re
Dr. Reena Sonkusare
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Bhartiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 Munshi Nagar, Andheri(W), Mumbai – 400 058. (Autonomous)
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 Electronics and Telecommunication Engineering Department
B E Project Evaluation AY . 2020.21. Category I

Phase III			Phase IV					Stage 2	
Implementation(20)	Testing (10)	Result analysis(10)	Total (40)	Work done (15)	Ethics (5)	On/Patent/Award in project	Report/Poster Presentation (15)	Total(40)	ESE
19	10	8	37	13	4	4	11.8	32.8	19
19	10	8	37	13	4	4	11.8	32.8	19
18	8	7	33	13	4	4	11.8	32.8	19
19	10	8	37	14	5	4	11.8	34.8	17
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19	9	10	38	14	5	4	12.6	35.6	19
19	9	10	38	14	5	4	12.6	35.6	19
19	9	10	38	14	5	4	12.6	35.6	19

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Bhavdhai

19	9	9	37	15	5	3	13.24	36.24	17
19	9	9	37	15	5	3	13.24	36.24	17
19	9	9	37	15	5	3	13.24	36.24	17
19	10	9	38	15	5	3	13.6	36.6	18
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19	9	9	37	15	5	5	11.8	36.8	19
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19	10	9	38	14	5	5	13.3	37.3	19
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19	9	10	38	14	5	4	11.4	34.4	19
19	9	10	38	14	5	4	11.4	34.4	19
19	9	10	38	14	5	4	11.4	34.4	19

Sujata Kulkarni

Dr. Sujata Kulkarni
Project co ordinator

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G. Ravindra

Dr. Reena Sonkusare
H.O.D. EXTC



Re

SARDAR PATEL INSTITUTE OF TECHNOLOGY

T.E.(ELECTRONICS AND TELECOMMUNICATION)

ACADEMIC YEAR 2020 - 2021 (SEM-V) PRODUCT DESIGN 1

Batch	Sr. No	UCID	Name	ISE (80)	ESE (20)
	1	2019220066	Abhale Pallavi Ramesh	67	17
	2	2018120001	Agarwal Priya	71	18
	3	2018120002	Varun Agnihotri	70	18
	4	2018120003	Aiyar Ramanansri Ravishankar	68	17
	5	2018120004	Anand Anubhav Shreerang Prasad	72	18
	6	2019220067	Attarde Nirmal Purushottam	71	18
	7	2018120005	Ayush Raj Sunil Kumar	67	16
	8	2018120006	Aayush Ajay Bagrecha	67	16
	9	2015220065	Priyanka Laxman Berad	72	18
	10	2018120007	Yash Shashikant Bhadane	70	17
	11	2019220068	Riya Atul Chakke	68	18
	12	2018120008	LV Aditi Chaluvadi	71	18
	13	2019220069	Om Vijendrakumar Chaurasia	71	18
	14	2018120009	Shubham Dilip Chavan	68	17
	15	2018120010	Brijesh Avinash Chawan	69	17
	16	2018120011	Rajas Suresh Chodankar	72	18
	17	2018120012	Nikita Kiran Chopde	70	17
	18	2018120013	CHOTALIA SOHEAM BHARAT	72	16
	19	2018120014	DAUVAJAI PRAKASH	76	19
	20	2018120015	DATTA ANKIT ATANU	76	19
	21	2018120016	DESHPANDE SAMPODA ASHISH	72	18
	22	2018120017	DMELLO ALVAN LAWRENCE	72	17
	23	2018120018	DINGRAN HARSH GORDHAN	72	16
	24	2018120019	EKBOTE MAITREYL MOHIT	72	18
	25	2018120020	GOTAD YAGNEESH PRAVIN	72	16
	26	2018120021	HARSORA ADITYA SHAILESH	72	16
	27	2018120022	JADHAV AISHWARYA ANANT	72	17
	28	2018120023	JAIN VANSH	74	19
	29	2019120024	JOSHI MRITYUNJAY RAKESH	76	19
	30	2018120025	KADAM NIHARIKA SURESH	72	18
	31	2018120026	KALE RJ DEEPAK	72	17
	32	2018120027	KALGUTKAR SHARVARI PRASAD	74	19
	33	2018120028	KALUNDANYA ADWAIT ANAND	72	16
	34	2018120029	KALUR GULSHEET RAMINDER	75	15
	35	2018120030	KALUSTUBH VENKATESH	75	17
	36	2018120031	KEDIA KARAN DEEPAK	75	17

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Bhavdhar



37	2018120032	KHANDELWAL JANYI SANJEEV	73	17
38	2018120033	KOPPAKA KOMAL VASUDEV	73	17
39	2018120034	LOKHANDE HRISHIKESH RAJENDRA	75	17
40	2018120035	NAIK TEJAS CHANDRASHEKHAH	74	15
41	2018120036	NAIR GOKUL MONIKANTAN	75	17
42	2018120037	NAGDHARE RAJAT ASHOK	74	15
43	2018120038	NAVEEN BHARATHIRAMAN	74	17
44	2018120039	NUTI PRAHARSHA VENKATA	75	17
45	2018120040	PANDEY AANCHAL SHIVMANE	71	14
46	2018120041	PARAB KSHITIJ HARISH	75	17
47	2018120042	PATEL DARSHITKUMAR PRAVINKUMAR	73	15
48	2018120062	NARVELKAR HRIUTIKA VIDHYADHAR	75	18
49	2018120063	PAWAR PRACHI SURESH	75	18
50	2017120033	LASHKARE AMOL SHANKAR	71	17
	2017120026	KALE NINAD NARENDRA	72	16
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S. Chaudhary

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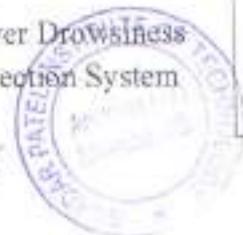


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Sardar Patel Institute of Technology
Munshi Nagar Andheri (West), Mumbai-400 058
Electronic and Telecommunication Engineering Department
Academic Year: 2019-2020
List of BE Project Groups

Category- 1

Group No	Name of the Students	UID	Guide/ Co-guide	Title	Category
C1.1	Pooja Pol	2017220072	Dr. R R Sawant	Smart Image to Voice Conversion System	1
	Shruti Powar	2017220073			
	Aishwarya Sawant	2017220076			
C1.2	Nihar Madasu	2016120030	Prof. D. Ambawade	Water Management System	1
	Prasad Verekar	2016120062			
	Omesh Agarwal	2016120001			
C1.3	Raju Jadav	2016120017	Prof. D. Ambawade	Cyber Security Alert Correlation & Classification using ML	1
	Tushar Sonawane	2016120055			
	Bhavin Ingle	2016120016			
C1.4	Tejas Autkar	2016120005	Dr. Reena Sonkusare/ Prof. Sneha Weakey	Fingerprint based Attendance Management System	1
	Akash Mane	2016120031			
	Chinmay Pimple	2016120042			
C1.5	Kamini Budke	2016120008	Dr. Reena Sonkusare/ Prof. Pallavi Malame	Surface Touch Recognition using IR Technology	1
	Saurabh Parulekar	2016120035			
	Krishna Mehta	2016120042			
C1.6	Tejas Puthran	2016120044	Prof. Manish Parmar	Automatic Ball pen making Machine	1
	Rajiv Philip	2016120045			
	Nirmil Save	2017220075			
C1.7	Manthan Tambe	2017220077	Prof. Manish Parmar	MedBot	1
	Shaunak Thakar	2016120058			
	Sahil Vora	2016120063			
C1.8	Sharwani Bawage	2016120007	Prof. Manish Parmar	Safe Wearable automated band-SWAB	1
	Shrey Dixit	2016120012			
	Pranav Gohil	2016120015			
C1.9	Aabha Kartmarkar	2016120023	Dr. Sukanya Kulkarni	Real Time Crop Health Monitoring	1
	Kirti Tyagi	2016120060			
	Simran Kaur	2017220074			
C1.10	Lavesh Jain	2017220066	Dr. Sukanya Kulkarni	Driver Drowsiness Detection System	1
	Rachit Rathi	2016120046			
	Amey Sawant	2016120049			



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C1.11	Pranav Jaguste	2016120019	Dr. Sujata Kulkarni	Intelligent Waste Segregation	1
	Wesley Pereira	2016120038			
	Sopan Phaltankar	2016120040			
C1.12	Yash Patil	2016120036	Dr. Sujata Kulkarni	AI Enabled Real-Time Sign Language Translator	1
	Sahil Krishnadas	2016120047			
	Adya Kastwar	2016120024			
C1.13	Shrikant Barkale	201612006	Prof. Anand Mane	Object detection using deep learning	1
	Abhijit Iyer	2015120012			
	Aakashkumar Gupta	2014120018			
C1.14	Vedali Chaudhari	2016120009	Prof. Anand Mane	Bridge Monitoring System	1
	Anwar Ansari	2016120003			
	Akash Bansode	2017220064			
C1.15	Hemant Bhusare	2016220064	Prof. Anand Mane	Smart Home System	1
	Vinit Koli	2015120021			
	Akshay Marale	2016320078			
C1.16	Shweta Melavane	2017220071	Dr. Amol Deshpande	Real Time License Plate Detection	1
	Isha Lanjwal	2017220069			
	Shivani Khamitkar	2017220068			
C1.17	Aditi Kolambekar	2016120026	Dr. Amol Deshpande	Detection of Counterfeit Cosmetic Products using Image Processing	1
	Prajakta Divekar	2016120011			
	Siddharth Mehta	2016120033			
C1.18	Harshal Galkwad	2017220065	Prof. Milind Paraye	Implementation of MPPT solar system for agriculture Pump	1
	Divyesh Marne	2017220070			
	Dhanashree Vinherkar	2017220078			

Dr. Sujata Kulkarni
Project Coordinator

Dr. Y.S. Rao
HOD EXTC



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Sardar Patel Institute of Technology
 Munshi Nagar Andheri (West), Mumbai-400 058
Electronic and Telecommunication Engineering Department
 Academic Year: 2019-2020
Lists of BE Project Groups
Category -II

Group No	Name of the Students	UID	Guide/ Co-guide	Project Title	Category
G2.1	Mitesh Sarode	2016120048	Dr. Y.S. Rao	Implementation of control algorithms for locomotion	2
	Ahmed Shaikh	2016120051			
	Tarun Joseph	2016120057			
G2.2	Sudhanshu Lodha	2016120029	Dr R R Sawant	Automatic Attendance System using face detection	2
	Aashay Phirke	2016120041			
	Upasna Thakuria	2016120059			
G2.3	Pranav Kamath	2016120021	Prof. D. Ambawade	Intelligent Traffic Management System	2
	Nivea Sharma	2016120052			
	Yash Kothari	2016120028			
G2.4	Arnold Johnson Fonseca	2016120013	Dr. Reena Sonkusare	Cloud Avoidance Scheduling Algorithm for Satellite Systems	2
	Soham Jagtap	2016120018			
	Shreeram Narayanan	2016120054			
G2.5	Parth Ambalkar	2016120002	Dr. Sukanya Kulkarni	Face recognition based unlocking system and monitoring for security	2
	Pranay Atram	2016120004			
	Arpit Jain	2016120020			
G2.6	Sumedh Naik	2016120034	Dr. Sujata Kulkarni	Real time Vein Mapping and Needle Infusion	2
	Rashmi Phadnis	2016120039			
	Meghna Prabhu	2016120043			
G2.7	Anchal Jhunjhunwala	2017220067	Prof. Milind Paraye	Solar Powered BLDC Motor	2
	Sadjyot Gangolli	2016120014			
	Siddhi Korad	2016120027			
G2.8	Paresh Valiya sejal shinde	2014120059 2014120053	Prof. Milind Paraye	An IOT Based Patient Monitoring System	2

Signature
 Head Of Department



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Dr. Reena S. Sonkusare
Associate Professor
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HOD Electronics & Telecomm. Engg. Dept
Sardar Patel Institute of Technology
Munshi Nagar, Andheri (A),
Mumbai - 400 056.

SARDAR PATEL INSTITUTE OF TECHNOLOGY

T.E.(ELECTRONICS AND TELECOMMUNICATION)

ACADEMIC YEAR 2020 - 2020 (SEM-V) PRODUCT DESIGN 1
(9 20)

Batch	Sr. No	UCID	Name	ISE (80)	ESE (20)
A	1	2019220066	Abhale Pallavi Ramesh	67	17
	2	2018120001	Agarwal Priya	71	18
	3	2018120002	Varun Agnihotri	70	18
	4	2018120003	Aiyar Ramanansri Ravishankar	68	17
	5	2018120004	Anand Anubhav Shreerang Prasad	72	16
	6	2019220067	Attarde Nirmal Purushottam	71	18
	7	2018120005	Ayush Raj Sunil Kumar	67	16
	8	2018120006	Aayush Ajay Bagrecha	67	16
	9	2015220065	Priyanka Laxman Berad	72	18
	10	2018120007	Yash Shashikant Bhadane	70	17
	11	2019220068	Riya Atul Chakke	68	18
	12	2018120008	LV Aditi Chaluvadi	71	18
	13	2019220069	Om Vijendrakumar Chaurasia	71	18
	14	2018120009	Shubham Dilip Chavan	68	17
	15	2018120010	Brijesh Avinash Chawan	69	17
	16	2018120011	Rajas Suresh Chodankar	72	18
	17	2018120012	Nikita Kiran Chopde	70	17
B	18	2018120013	CHOTALIA SOHAM BHARAJ	72	16
	19	2018120014	DALVI JAI PRAKASH	76	19
	20	2018120015	DATTA ANKIT ATANU	76	19
	21	2018120016	DESHPANDE SAMIPADA ASHISH	72	18
	22	2018120017	DMELLO ALVIN LAWRENCE	72	17
	23	2018120018	DUNGRANT HARSH GORDHAN	72	16
	24	2018120019	EKBOTE SHAITREY MOHIT	72	18
	25	2018120020	GOTAD VAGNESH PRAVIN	72	16
	26	2018120021	HARSORA ADITYA SHAILESH	72	16
	27	2018120022	JADHAV AISHWARY ANANT	72	17
	28	2018120023	JAIN VANSH	74	19
	29	2018120024	JOSHI MRITYUNJAY RAKESH	76	19
	30	2018120025	KADAM NIHARKA SURESH	72	18
	31	2018120026	KALP JUDIEEPAK	72	17
	32	2018120027	KALGUTKAR SHARVARI PRASAD	74	19
	33	2018120028	KALINDANYA ADWALT ANAND	72	16
	34	2018120029	KAUR GULSHEET RAMINDER	75	15
	35	2018120030	KAUSTUBH VENKATESH	75	17
	36	2018120031	KEDIA KARAN DEEPAK	73	17

SLaudhaj*V*

37	2018120032	KHANDELWAL JANU SANJEEV	73	17	
38	2018120033	KOPPAKA KOMAL VASUDEV	73	17	
39	2018120034	LOKHANDE HIRSHIKESH RAJENDRA	75	17	
40	2018120035	NAIK TEJAS CHANDRASHEKHAR	74	15	
41	2018120036	NAIR GOKUL MONIKANTAN	75	17	
42	2018120037	NAOGHARE RAJAT ASHOK	74	15	
43	2018120038	NAVEEN BHAKATHRAMAN	74	17	
44	2018120039	NUTI PRAHARSHA VENKATA	75	17	
45	2018120040	PANDEY AANCHAL SHIVMANE	71	14	
46	2018120041	PARALKSHITI HARISH	75	17	
47	2018120042	PAJEL DARSHITKUMAR PRAVINKUMAR	73	15	
48	2018120062	NARVEKAR HEETIKA VIDHYADHAR	75	18	
49	2018120063	PAWARI PRACHI SURESH	75	18	
C	50	2017120053	LASHKARE AMOL SHANKAR	71	17
		2017120026	KALE NINAD NARENDRA	72	16

Re: Author



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
T.E.(ELECTRONICS AND TELECOMMUNICATION)
ACADEMIC YEAR 2019 - 2020 (SEM-VI) PRODUCT DESIGN 2

Group number	Team members	UCID	Product/Topic	Remark
A-1	Abhang Priyanka Sandeep	2017120001	Density based Traffic control System	Hackathon Idea
	Akeila Shriya Murthy	2017120003		
	Bhagat Siddhant Marwaha	2017120006		
A-2	Agrharkar Vinit Kishor	2017120002	Assisting Dementia Patients with a wearable	ACCS - Competition work
	Bandi Harit Dinesh	2017120005		
A-3	Badhan Siddhesh Vijay	2017120004	Development of general purpose HMI	
	Desai Kimaya Hemant	2017120012		
	Dsilva Manish Michael	2017120013		
A-4	Chaudhari Ajay Bhargav	2017120007	Verbal - Eyes for ALS/MND (Paralysed) patients	ACCS - and TI -
	Chaudhari Pranjal Patel	2017120008		
	Dalvi Omkar Bhalchandra	2017120010		
A-5	Chavan Vaishnavi Rathod	2018220065	Multiparameter health monitoring System	TI competition Topic (Dr Bata)
A-6	Chintrate Anushka Suri	2018220066	IOT based digital workbench	Part of TI competition
A-7	Das Siddharth Bhuva	2017120011	Monitoring of Garbage bin and alert System	Qualified and participate in Not part of any competition
	Dogra Unnati Rajesh	2018220067		
B-1	Gupta Abhishek Kant	2017120015		OC - opting for new idea
	Handoo Rupal Rajesh	2017120017		
	Jain Shubham	2017110023		
B-2	Gupte Ruchi Rajesh	2017120016	Smart shopping cart using RFID and AI	
	Hawa Sarah Yusuf	2017120018		
B-3	Jain Manav Surendar	2017120021	Retrofit Adaptor for Mobile operated Projector	
	Kakirde Shubham Unnikrishnan	2017120025		
	Kaondal Swara Jayashree	2017120027		
B-4	Jha Kaushik Pramod	2017120022	Mobile charging, Smart Street light, Epilepsy detections	
	Joshi Suyash Sukher	2017120023		
	Joshi Vrushali Milind	2017120024		
B-5	Kamble Sonal Dipak	2018220068	IOT based digital workbench	
	Jadhav Vinayak Raje	2017120020		
B-6	Kardel Ashwini	2018120022	Smart Dustbin	
B-7	Gadkar Mihir	2017110016		
C-1	Kaushik Shrishi Shiv	2017120028		
	Kulkarni Urja Sameer	2017120032	Portable - Projector Computer (T-I)	
	Lobo Lanita Louis	2017120035		
C-2	Kaware Pratyush Patel	2017120029		
	Kayande Vedant Jay	2017120030		



Abhang Priyanka Sandeep 701

	Khambete Aditya Rat	2017120031	Modified exhaust System	Portable Electrostatic Participitators
C-3	Mahajan Pranit Nitin	2017120037		
	Khandelwal Dhruv	2016120025	Air pollution Monitoring System	
	Kumar Vedant	2017110029		
	L Sreekar	2017120036		
C-5	Mane Pritam Anand	2017120039		
	Lambade Rohit Rame	2018220069		
	Mandani Kashish Ch	2017120038		
C-6	Mane Rahul Rajaram	2018220070	Night vision Google	
C-7	Lingayat Apurva Sat	2017120034	Detector	T-I - ACCS
	Mehendale Tanay Ma	2017120040		
	Patole Mehul Shrikar	2017120046		
D-1	Ramade Onkar Rajer	2017120048	Smart Trolley	
	Mhatre Gaurav Janar	2018220071		
	Parulekar Shubham E	2017120044		
D-2	Pawar Rajan	2016120037	Smart Dustbin	
	Mishra Piyush Rajesh	2017120041		
	Pai Pratik Mahesh	2017120042		
D-3	Singh Pradhuman Gil	2017120059	Milk - plus	DC- TI
	Nimbri Shivani Vishn	2018220072	Multiparameter health monitoring system	
D-4	Zambare Prajakta Sa	2018220076		TI - Design contest
	Pandya Ashutosh Ke	2018220073		
D-5	Raut Chinmay Pralha	2017120051	Electronic Notice Board	No -DC
	Parmar Aditi Ramnikl	2017120043		
	Yadahalli Srushti San	2017120063		
E-1	Shah Ravish Rakesh	2018220074	water Quality Monitoring bu using wifi technology	No - DC
	Patel Mihir Ravindra	2017120045		
	Shreyas Kailasanatha	2017120056		
E-2	Salian Yagnesh Haris	2017120054	Volume Measurement	
	Pinge Sachin Nitin	2017120047		
	Singh Amey Kamlesh	2017120057		
E-3	Wadhavkar Nitish Vir	2017120062	Water -Net - Non-Invoice water Flow meter invasine	TI - DC
	Ramina Vishal Kanar	2017120049		
	Sosawane Yugmes	2016120056		
E-4	Udhwani Palash	2016120061	IR - Adapt for NON - IR cell - phone	TI - DC
	Shingala Parth Bhag	2017120055		
E-5	Zare Amogh Shripad	2017120064	Electronics Deab Assistant Device	
E-6	Ransing Ketaki Shiris	2017120050	SMAAIF - soil monitoring and Analysing and Automatic Investigation and Fertilization	ACCS
E-7	Rege Shambhavi Sat	2017120052	Smart Shopping cast with RFID and AI	TI - DC



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Sardar Patel Institute of Technology
 Munshi Nagar Andheri (West), Mumbai-400 058
Electronic and Telecommunication Engineering Department
 Academic Year: 2018-2019
Lists of BE Project Groups

G. No	Name of the Students	Project Title	Guide/ Co-guide	Expert
1	Sharvika Raut Shubham Poyekar Anirudh Sharma	Implementation of power management scheduling algorithm on heterogeneous multicore SoC	Dr. Y.S. Rao	
2	Kamlesh Badgajjar Nachiket Chiplunkar Athagva Deshpande	Implementation of Adaptive RF System using Software Defined Radio	Dr. Y.S. Rao/ Prof. Anand Mane	
3	Rohin Razdan Aditya Sridhar Pawanjeet Singh	Violence detection using real time image processing	Dr. Y.S. Rao	
4	Ruman Kazi Ameya Namhisar Simran Tiwari	Morphius: Self-reconfiguring modular robot that navigates through cracks and debris for inspection of inaccessible areas	Dr. Preetida V. Jani	Reema S.
5	Akash Mahale Anirvin Vishwanathan Kanishka Kothari	Generating a Decentralised Architecture for Data Privacy & Sharing using Blockchain Technology	Dr. Preetida V. Jani	Reema S.
6	Umair Modak Eshaan Mudgal Subhiksha Mokuntharai	Detection of Botnet and Ddos using a fast processing framework	Prof. D. Ambawade	mmp
7	Saish Raur Himani Mukne Prachamesh Patil	Authentication of transactions in Record Management using Hyper Ledger Platform	Prof. D. Ambawade	mmp
8	Abhinav Verma Rishi Vedula Vignesh Viswanathan	Generation, encoding and detection of discrete information states in optical frequencies using acousto-optical modulation of modulated RF signals.	Prof. Reema Sonkusare/ Prof. Pallavi Malame	Reema S.
9	Brinda Sarkar Shivani Shelchar Aadhi Savani	Advanced Driver Assistance System	Prof. Reema Sonkusare/ Prof. Gampa Venkata	Reema S.
10	Hrishikesh Malhotra Roshni Misra Shradhha Wani	Predictive Maintenance and Monitoring of Automobiles and Detection of HCRB Systems	Prof. Reema Sonkusare/ Prof. Pallavi Malame	Reema S.



	Mohit Kapoor			
11	Varun Kamble	Image Captioning System using Deep Learning	Prof. Manish Parmar	PPA
	Krishnaditya Kancharla			
	Swapnil Masurekar			
12	Hrishikesh Shedekar	Video/Image generation from text using Deep learning	Prof. Manisa Parmar	PPA
	Roshankumar Sah			
	Gaurav Gaikwad			
13	Nischint Jagdale	Phase detection and its Behavioural Analysis for Efficient cache Modelling	Prof. Manish Parmar	PPA
	Omkar Waje			
	Ankita Bhusari			
14	Neha Gupta	Myoelectric Signal Driven Prosthetic Arm using Machine learning	Prof. Sukanya Kulkarni	VCR
	Tanya Kamble			
	Girija Deshmukh			
15	Apurva Geonkar	Emotion Recognition-Attribute Analysis of Audio Signals using Machine learning	Prof. Sukanya Kulkarni	VCR
	Gauri Golwalkar			
	Harshita Mondkar			
16	Tanvi Ghole	Smart Healthcare Data Acquisition System	Dr. Sujata Kulkarni	VCR
	Shruti Karande			
	Dharini Mehta			
17	Divit Karmiani	Solar Powered Self cleaning Toilets	Dr. Sujata Kulkarni/ Prof. Sheha Weakey	VCR
	Aastha Shah			
	Vedanta Pawar			
18	Vinay Vishwakarma	Deep Learning approach to Video Compression using Convolutional Neural Networks	Prof. Anand Mane/ Prof. Ganpat Parulekar	VCR
	Alan Jacob			
	Ankita Patil			
19	Nilesh Jadhav	Heart attack detection and prevention	Prof. Anand Mane	VCR
	Varsha shingade			
20	Rasica telgote	Auto-Fertilisation and Irrigation Based on soil nutrient value	Prof. Anand Mane	
	Shweta shinde			
	Aniket wagh			
21	Neel Surti	Smart Bag with Embedded Cellphone Receiver and Seamless Smartphone Connectivity	Prof. Vijaya Kamble	
	Ameya Varkar			
	Vineetkumar Sharma			
22	Dhananjay Shah	Emotion Recognition using Micro-expression	Prof. Vijaya Kamble	
	Saloni Shah			
23	Soham Joshi	Body Temperature Measurement and	Prof. Milind	

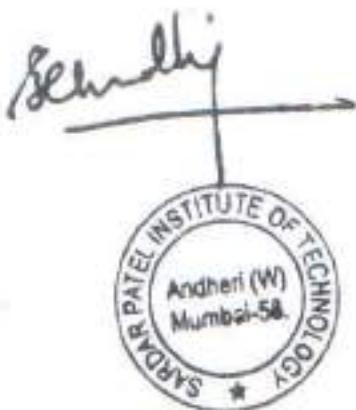


	kumar amrendu <i>Amrendu</i> Shruti chougule <i>Shruti</i>	Control System	Parave/ Prof. Sneha Weakey	<i>Shruti</i> Y.S.R.
24	Onkar Patil <i>Onkar</i> Karan Navale <i>Karan</i> Aniket Karande <i>Absent</i>	Crop and Soil based Programmable farming system	Prof. Milind Parave	<i>Onkar</i> Y.S.R.
25	Samruddha Gupte <i>Samruddha</i> Akshay Jangam <i>Akshay</i>	Maximum Power Point Tracking using Photovoltaic Solar System	Prof. Milind Parave	<i>Akshay</i> Y.S.R.

RJ
Reena Sonkusare
Project Coordinator

D. Ambawade
Dy. HOD

Y.S. Rad
HOD EXTC



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BHARATIYA VIDYA BHAVAN'S

SARDAR PATEL INSTITUTE OF TECHNOLOGY
MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058, India
(Autonomous Institute Affiliated to University of Mumbai)

MASTER OF COMPUTER APPLICATIONS

SYMCA 2022-23 Mini Project

Summer Project Details

Eg. of Domain can be- AI/ML, Data Science, Web Development, Mobile App Development, Blockchain, IoT, Cloud Computing

Group No	Group Members	Project Title	Domain	Technology/Tools Used
1	Mahima Agrahari	Event Planner Finding Website	Web development	React, Node.js, Express
2	Suman Ashok Mudiyar	Ace Committee Website	web development	php, MySQL, html, css
3	Abhishek Bharat Bawachkar	Cryptotrade - Cryptotrading site	web development	MEAN, Moralis, Solidity
4	Chinmay Shrikrushna Bhagwat, Ritik Dhore	Advance attendance system using face recognition	Machine learning	OpenCV, Haar Cascade, LBPH
5	Akshay Avdhut Pawar	Food delivery Website	Web development	React, Next.js, Express.js, MongoDB
6	Sakshi Ashok Parkar, Devika Patil	Face Recognition and Chat Analyzer WebApp	Machine Learning	Python, Streamlit, Jupyter
7	Rashmi Gupta	Trip itinerary	web development	python and flask framework
8	Saijal Mahendra Sawant	Ace Committee Website	web development	php, MySQL, html, css
9	Mukesh Ananth Pillai	Voice Based Email	Web Development	Python and Django Framework
10	Atharva Suhas Patil	online book store	web development	python django
11	Sandeep Shivaji Shivane, Sudhir Comasc	Face Emotion Detection	Machine Learning	Python, Streamlit
12	Rohit Rajaram Mahadik	Movie Recommendations System	Machine Learning	Python, Streamlit
13	Hareesh Ananta Goyakke, Pankaj Bhoir	Whatsapp Chat Analyzer	ML and data visualisation	Python and Jupyter
14	Amit Manohar Rathod	Client to customer Application	Android application development	Java, firestore
15	Suraj Prakash Nair, Jay Umesh Oswal	Real Time Sign Language Interpreter in Coder- Covid Detector	Machine Learning	Python
16	Anikita Ramji Selokar, Mayank Mali	Coder- Covid Detector	Android application development	Java, XML and Firebase
17	Sanket Subhash Raut			
18	Pratish Mangalsing Patasi			
19	Devvrat Suktel, Shubham Patil			
20	Fazil Pravin Gharat	Resume Extractor	Machine Learning	Python, Django

21	Chehan Prabhakar Dhundge, utkarsh doras	Breast Cancer Prediction Using ML	Machine Learning	Python,Anaconda,Flask
22	Neha Sabrin Sateem T K	Relax Social Media App	Web Development	Python, Django
23	Shivani Dharanarajan Eravijikal	Mentor Mentee Connect	Web Development	Java, Spring Boot, MySQL
24	Anish Atul Redkar, Omkar Ingle			
25	Shantanu Ananta Kamte	Financial Tracker Website	Web Development	MERN Stack
26	Prashant Bhupendra Pratap Singh	Plant Disease Detection	Machine learning	Python,tensorflow,flask
27	Satashi Sadanand Naik, Henna manoj	COVID 19 Tracker	Web Development	React.js , React Hooks and Node
28	Titas De	Car safety prediction	Machine learning	Python
29	Kamble	Blind Assistance Application	Android Development	Java
30	Dipesh Duttaram Ghag, Mayur Dhevale			
31	Sagar Vinod Kesharwani			
32	Ritik Rajendra Maheshwari	MentorMeSenpai-Interview Experience	Web Developement	MEAN stack
33	Vyankatesh Badriprasad Wable, Piyal Save	Unsung Angels - A Web Application For Specially Abled Children	Web Developement	React.js and Firebase
34	Rashmi Khandelwal	MLApplicationHub	ML and Web Development	Python and Flask Framework
35	Omprakash Devarasad Kambli			
36	Vishal Devidas Padne	Diabetes Diagnostic Prediction Using ML	ML	Python
37	Nitinaware	Stock Market Prediction using Twitter	Machine Learning	Python, Streamlit
38	Pritviraj Satyajit, Shashank Agrawal	Medical Chatbot	Machine Learning	Python
39	Jalaj Porwal	Garage Management System	Web Development	Flutter
40	Tejas Shailendra Kumbhe	Toxic Comments Classification	Machine Learning	Python, Jupyter Notebook
41	Vivek Shaishibhushan Pandey, Ashutosh Nistane			
42	Pratik Ramesh Parale, Siddhant Pande	Copy Move forgery Detection	Deep Learning	Python, Deep Learning
43	Parnika Tewari	Lung Cancer detection	Machine Learning	Python, Jupyter notebook
44	Kshitij Anil Koyande			
45	Prashant Pradeep Gowda, Nikhil Majrya	Customize shoes	Web Technology	React.js, Three.js and firebase
46	Ganesh Jagannath Chaudhari, Tirsha Das	Automatic Number Plate Detection	Machine Learning	Python, Jupyter notebook



Parmit Singh

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BHARATIYA VIDYA BHAVAN'S

SARDAR PATEL INSTITUTE OF TECHNOLOGY

MUNSHI NAGAR, ANDHERI (WEST), MUMBAI - 400 058, India
(Autonomous Institute Affiliated to University of Mumbai)

MASTER OF COMPUTER APPLICATIONS

FYMCA 2022 23 Mini Project

Summer Project Details

Eg. of Domain can be- AI/ML, Data Science, Web Development, Mobile App Development, Domain Name

UCID	First Name	Middle Name	Last Name	Project Title	Domain	Technology/Tools Used	Mentor Name
2022510001	Kaushal	Imam	Alam	NON IT			
2022510002	Amit		Kumar				
2022510003	Ruchita	Hemant	Anuse	Career Catalyst	Web Development	MERN Stack	Prof. Dr. Pooja Raundale
2022510004	Tejas	Subhash	Chalke	Website	Web Development	MERN Stack	Prof. Harshil Kanakia
2022510005	Tanmay	Prashant	Chavan	Website	Web Development	MERN Stack	Prof. Harshil Kanakia
2022510006	Amit	Anand	Chawarekar	Job Portal	Web Development	Python, Django, Mysql	Prof. Harshil Kanakia
2022510007	Ruturaj	Ravindra	Deshpande	Marketplace	Web Development	PHP Laravel	Prof. Pallavi Thakur
2022510008	Siddheshwar	Baburao	Devkate	Marketplace	Web Development	PHP Laravel	Prof. Dr. Aarti Karande
2022510009	Sharad	Anil	Dhande	App	Android Development	Android Studio	Prof. Dr. Aarti Karande
2022510010	Pankaj	Ashok	Dhoire	shopping cart	web development	React	Prof. Dr. Aarti Karande
2022510011	Viraj	Rajendra	Dhamal	Website	Web Development	MERN Stack	Prof. Dr. Aarti Karande
2022510012	Siddhant	Ajoy	Divekar	Job Portal	Web Development	Python, Django, Mysql	Prof. Harshil Kanakia
2022510013	Aryan	Nikhil	Dixit	website	Web Development	MERN Stack	Prof. Dr. Aarti Karande
2022510014	Alok	Kumar	Dubey	Website	Web development	MERN Stack	Prof. Dr. Aarti Karande
2022510015	Sanchit	Vivek	Gaiikwad	Management	Web Development	MERN STACK	Prof. Dr. Aarti Karande
2022510016	Rushikesh	Annasaheb	Gavhane	Visualization	Machine Learning	ETL Tools	Prof. Harshil Kanakia
2022510017	Shruti	Arun	Gawade	Career Catalyst	Web Development	MERN Stack	Prof. Dr. Pooja Raundale
2022510018	Avishkar	Ashok	Ghorpade	Visualization	Machine Learning	ETL Tools	Prof. Harshil Kanakia
2022510019	Rushikesh	Anandgir	Giri	Virtual learning	Web Development	React	Prof. Harshil Kanakia
2022510020	Tanisha	Arun	Gondke	Management	Web Development	Angular	Prof. Pallavi Thakur

2022510021	Shubham	r	Gosavi	online job portal	Web development	Java	Prof. Nikhita Mangonkar
2022510022	Shekhar	Mukund	Gumaste	Management	Web Development	MERN stack	Prof. Pallavi Thakur
2022510023	Zeeshan	Atharul	Haque	NON IT			
2022510024	Ritu	Vikas	Jadhav	Management	Web Development	Angular	Prof. Pallavi Thakur
2022510025	Gayatri	Kaluram	Jadhav	management	Web Development	PHP	Prof.Nikhita Mangaonkar
2022510026	Harsh	Jitendra	Jain	Visualization	Machine Learning	ETL Tools	Prof. Harshil Kanakia
2022510027	Bhusan	nt	Joshi	management	Web Development	MERN Stack	Prof. Pallavi Thakur
2022510028	Amey	Anil	Joshi	website	Web Development	MERN Stack	Prof. Dr. Aarti Karande
2022510029	Atharva	Nitesh	Joshi	child helpline	web development	MERN stack	Prof. Pallavi Thakur
2022510030	Rushikesh	Subhash	Kabadi				
2022510031	Kunal	nt	Kachave	Management	Web Development	MERN Stack	Prof. Pallavi Thakur
2022510032	Anjali	Shrikant	Komerwar				
2022510033	Yash	Devendra	Keyande	Visualization	Machine Learning	ETL Tools	Prof. Pallavi Thakur
2022510034	Rishikesh	Prakash	Lingayat	Cloud Notes	Machine Learning	Angular	Prof. Harshil Kanakia
2022510035	Meghana	khar	Mainkar	NON IT	Web Development	Angular	Prof. Nikhita Mangaonkar
2022510036	Pranav	Narayanan	Menon	Cloud Notes	Machine Learning	Angular	Prof. Nikhita Mangaonkar
2022510037	Khushi	Bharat	Mewada	NON IT	Web Development	Angular	Prof. Nikhita Mangaonkar
2022510038	Sahil	Girish	Panchbharia	NON IT	Machine Learning	Django	Prof. Dr. Pooja Raundale
2022510039	tar	Trilochan	Panda	Astro-Trade	Machine Learning	MERN STACK	Prof. Dr. Aarti Karande
2022510040	Hrishikesh	Vinayak	Patkar	Management	Web Development	MERN STACK	Prof. Nikhita Mangaonkar
2022510041	Yash	t	Patil	Online job portal	Web development	Java	Prof. Nikhita Mangaonkar
2022510042	Ritesh	Upendra	Patil	Expense Tracker	Web Development	MERN Stack	Prof. Nikhita Mangaonkar
2022510043	Arpita	Ganesh	Patil	E-Connect	Web Development	MERN Stack	Prof. Nikhita Mangaonkar
2022510044	Samyak	r	Patni	Expense Tracker	Web Development	MERN Stack	Prof. Nikhita Mangaonkar
2022510045	Karan	Vijay	Pawar	Ekart Website	Web Development	MERN Stack	Prof. Pallavi Thakur
2022510046	Shivam		Raghuvanshi	child helpline	web development	python	Prof.Nikhita Mangaonkar
2022510047	Aditi		Ranganathan	system	machine learning	MERN Stack	Prof. Dr. Pooja Raundale
2022510048	Vikram	Ganpat	Rathod	Learning	web development	MERN Stack	Prof. Pallavi Thakur
2022510049	Humanshu		ruwat	Astro-Trade	Machine Learning	Django	Prof. Dr. Pooja Raundale

2310050	Shreyash	mar	Rokade	shopping cart	web development	React	Prof. Dr. Aarti Karande
2022510051	Arti	Bhaurao	Sable	management	Web Development	PHP	Prof. Nikhita Mangaonkar
2022510052	Arshita	Ramesh	Salagari	system	machine learning	python	Prof. Nikhita Mangaonkar
2022510053	Aditya	Rajendra	Salunkhe	Application	Web Development	Spring Boot + Flutter	Prof. Dr. Aarti Karande
2022510054	Anjali	Vilas	Salvi	Website	Web Development	MERN Stack	Prof. Harshil Kanakia
2022510055	Roshani	Vasant	Sangle	Learning	Web Development	MERN Stack	Prof. Pallavi Thakur
2022510056	Kratik	rakesh	sharma	E-Connect	Web Development	MERN Stack	Prof. Nikhita Mangaonkar
2022510057	Amit	Anant	Shedad				
2022510058	Aryan	at	Shende	Virtual learning	Web Development	React	Prof. Harshil Kanakia
2022510059	Chaitanya	Devadas	Shetty	Application	Web Development	Spring Boot + Flutter	Prof. Dr. Aarti Karande
2022510060	Prajakta	Stomnath	Shevkar	NON IT			
2022510061	Sudhir	Ramesh	Shinde	NON IT			
2022510062	Mihir	Ram	Shirsath	Virtual learning	Web Development	React	Prof. Harshil Kanakia
2022510063	Sudhirkumar	ad	Shukla	Website	Web development	MERN Stack	Prof. Dr. Pooja Raundale
2022510064	Sintu	Dhurender	Singh	Website	Web development	MERN Stack	Prof. Dr. Pooja Raundale
2022510065	Subham		Singh	Management	Web Development	MERN stack	Prof. Dr. Pooja Raundale
2022510066	Aditya		Srivastava	Website	Web development	MERN Stack	Prof. Dr. Pooja Raundale
2022510067	Siddharth	Santosh	Tripathy	App	Android Development	Android Studio	Prof. Dr. Pooja Raundale
2022510068	Shrijeeet	Prumodrao	Yeole	Virtual learning	Web Development	React	Prof. Harshil Kanakia
2021510029	Kshitij	Anil	Koyande				



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SYMCA 2021 22 Mini Project (Odd Sem)

Grp.No.	UCID	Name of the Student	Guide
1	2020510002	JAIKISHAN BAGUL	Prof.Nikhita Mangaonkar
1	2020510020	TANISH GANGWAL	Prof.Nikhita Mangaonkar
2	2020510023	SIDDHI GAVANDE	Prof.Nikhita Mangaonkar
2	2020510024	PRANALI GHAG	Prof.Nikhita Mangaonkar
3	2020510004	AKASH BAMBLE	Prof. Prachi Dalvi
3	2020510041	KEVAL LIMBANI	Prof. Prachi Dalvi
4	2020510016	PATIL DHAWAL	Dr. Pooja Raundale
4	2020510066	TYAGI VAIBHAV	Dr. Pooja Raundale
5	2020510037	PIYUSH KUKADE	Dr. Pooja Raundale
5	2020510055	MAHEK SADHWANI	Dr. Pooja Raundale
6	2020510001	SURBHI AGARWAL	Prof. Sakina Salmani
6	2020510032	KALPESH KHANDELWAL	Prof. Sakina Salmani
7	2020510062	DIVYA SUNDARAM	Prof. Sakina Salmani
7	2020510063	RASHIKA SVARNA	Prof. Sakina Salmani
8	2020510068	MEGHNA WANKHEDÉ	Dr. Aarti karande
8	2020510013	KRISHNA CHHABRIA	Dr. Aarti karande
9	2020510015	ANIRUDDHA DESHMUKH	Prof. Prachi Dalvi
9	2020510010	PALLAVI BOLAR	Prof. Prachi Dalvi
10	2020510069	PRAJWAL WARKHADE	Prof.Nikhita Mangaonkar
10	2020510031	SHUBHAM JAISWAL	Prof.Nikhita Mangaonkar
11	2020510017	PRATHAMESH DOUND	Dr. Aarti karande
11	2020510067	PRATIK VAKURDEKAR	Dr. Aarti karande
12	2020510040	KUTTY MAHESH ANIL	Prof. Pallavi Thakur
12	2020510051	PATIA JAGANNATH BUDHIYA	Prof. Pallavi Thakur
13	2020510035	KOLI LASHWIN PRAKASH	Dr. Pooja Raundale
13	2020510025	GUJAR PRASHANT SAKHARAM	Dr. Pooja Raundale
14	2020510042	RAHUL RAJARAM MANGALARAPU	Prof. Harshil Kanakia
15	2020510046	BHAVESH NITIN NAIK	Prof. Harshil Kanakia
15	2020510011	RUTWIK RAJESH BORKAR	Prof. Harshil Kanakia
16	2020510060	RUTIKA SONAWANE	Prof. Pallavi Thakur
17	2020510007	BHAT GEETA VISHWANATH	Prof. Sakina Salmani
18	2020510022	GANORKAR SWAPNIL PRAMOD	Prof. Prachi Dalvi



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2021 22 SYMCA Mini Project

Sl. No.	U.C ID	Name of the Student	Domain	Project Topic		Guide
				Project Title	Supervisor	
1	2020510003	Shivam Balki	iOS application	Task Management application with Agenda	Nawal Dandekar	Harshil Kanekia
2	2020510005	Sahil Baraskar	Web App	Drop Shipping	Sakina Salmani	Nawal Dandekar
3	2020510006	Mohit Bellwani	Android	location based messenger	Nikhita Mangaonkar	Sakina Salmani
4	2020510018	Akash Dubey	App Development	Parl	Nawal Dandekar	Nawal Dandekar
5	2020510036	Sanket Kshirsagar	Web App	Messaging and Discussion Platform	Dr. Aarti Karande	Dr. Aarti Karande
6	2020510039	Rahul Kumawat	web app	Trading Application	Nawal Dandekar	Nawal Dandekar
7	2020510058	Shaikh Samee	App Development	Takeaway App	Pallavi Thakur	Pallavi Thakur
8	2020510065	Anupam Tiwari	Web App	Memories App	Dr. Aarti Karande	Dr. Aarti Karande
9	2020510077	Shubham Gupta	OS	Operating System from scratch	Harshil Kanekia	Harshil Kanekia
10	2020510021	Gani Lahir Nayem	Web, Blockchain		Dr. Pooja Raundale	Dr. Pooja Raundale
11	2020510038	Udit Kulkarni	App Development	Car Pooling App		
12	2020510061	Lanty Srivastava	App Development	Car Pooling App		
13	2020510012	Anushka Chavhan	App Development	Digital Fare Meter App / Book Rental & Exchange	Dr. Pooja Raundale	Dr. Pooja Raundale
14	2020510053	Vinod Pujari	App Development	Digital Fare Meter App / Book Rental & Exchange		
15	2020510028	Sneha Hariyan	Web App	Kisan Suvidha App	Pallavi Thakur	Pallavi Thakur
16	2020510050	Sidduhi Patil	Web App	Kisan Suvidha App		
17	2020510044	Mayur Misal	App Development	Android app for small-scale local businesses	Nikhita Mangaonkar	Nikhita Mangaonkar
18	2020510064	Onkar Vatkare	App Development	Android app for small-scale local businesses	Dr. Aarti Karande	Dr. Aarti Karande
19	2020510043	Swalpul Mhapankar	Web App	Student Recruitment System		
20	2020510049	Sristhi Panchbhai	Web App	Student Recruitment System		
21	2020510030	Tejal Jadhav	App Development	Student Bus Tracking App	Nikhita Mangaonkar	Nikhita Mangaonkar
22	2020510033	Saurabh Kolupate	App Development	Student Bus Tracking App	Nawal Dandekar	Nawal Dandekar
23	2020510034	Sachin Kolhe	Web App	DoctorsPoint	Sakina Salmani	Sakina Salmani
24	2020510045	Chintak More	Web App	Furniture rental app	Harshil Kanekia	Harshil Kanekia
25	2020510052	Nikhil Phadke	Web App	Furniture rental app	Sakina Salmani	Sakina Salmani
26	2020510057	Amritsha Satvi	Web App	Event Management		
27	2020510029	Ahlishik Gupta	Angular Django	Event Management		
28	2020510056	Samridha Salian	Angular Django	Event Management		
29	2020510038	Debutoni Biswas	ML Python	Wind speed forecasting		

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			SQL_ Python	Wind speed forecasting
30	2020510047	Siddharth Nair	Job App	Car Rental App
31	2020510054	Lann Rajput	Web App	Car Rental App
32	2020510059	Adarshkumar Singh	Web App	Python Django and Google APIs
33	2020510014	Lovin D'Cruz	Python- Django	Python Django and Google APIs
34	2020510019	Vishwam Dubey	Python- Django	Python Django and Google APIs
35	2020510009	Bhunesh Bodalia	Web App	
36	2020510029	Mayer Hormane	Web App	



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BHARATI VIDYA BHAVAN'S
 SARDAR PATEL INSTITUTE OF TECHNOLOGY
 MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058, India
 (Autonomous Institute Affiliated to University of Mumbai)
 MASTER OF COMPUTER APPLICATIONS
 2021-22 FYMCA Mini Project

Mentor :- Dr. Pooja Raundale

Group	Sr No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510027	Shubham Gupta	Real time two way communication using sign language over network	Python, NLP, ML, OpenCV
	2	2020510038	Ledit Kulankar	Real time two way communication using sign language over network	Python, NLP, ML, OpenCV
2	3	2020510031	Shubham Jaiswal	Prediction of parkinson's disease using machine learning and deep learning	python, ml, google colab, pandas
	4	2020510068	Meetmaa Warkhede	Prediction of parkinson's disease using machine learning and deep learning	python, ml, google colab, pandas
3	5	2020510010	Paltwal Balaji	Personality analysis based on video processing	Jupyter notebook, OpenCV, PyAudioAnalysis
6	6	2020510063	Rishika Savant	Personality analysis based on video processing	Jupyter notebook, OpenCV, PyAudioAnalysis
4	7	2020510047	Siddhaliit Kewal	Automatic Physics Word Problem Solver	Python, NLP, ML, RNN, LSTM, biLSTM
8	8	2020510066	Vaibhav Tyagi	Automatic Physics Word Problem Solver	Python, NLP, ML, RNN, LSTM, biLSTM
9	9	2020510037	Piyush Kulkarni	Facial emotion detection system	Python, Google Colab, pandas

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Mentor :- Prof. Harshil Kamakia

Group	Sr No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510040	Maheesh Kady	Med Planner for allergic person	React Native, Firebase, Python
	2	2020510045	Maheesh Savantwani	Med Planner for allergic person	React Native, Firebase, Python
2	3	2020510081	Tansy Sawantwani	Contact Tracing App for various contagious disease	Android - Java XML, Firebase
	4	2020510045	Anindita Deshmukh	Contact Tracing App for various contagious disease	Android - Java XML, Firebase
3	5	2020510021	Taluk Gaikwad	Freelancing App	Flutter and Firebase
6	6	2020510026	Samridha Salhan	Freelancing App	Flutter and Firebase
4	7	2020510030	Tegal Jadhav	PGCD Website	Django and SQL DB
5	8	2020510014	Loren D'Cunha	App for mental health care	Android - Java, Firebase
6	9	2020510009	Debaroli Biswas	Pat App	Android - Java, Firebase
10	10	2020510010	Sneha Agarwal	Pat App	Android - Java, Firebase

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Mentor :-Dr Aarti Karande

Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510042	Rahul Rajaram Mangaluridu	Website for IEDC Issues	Laravel, MySQL
2	2	2020510010	Dhawal Jyoti Patel	Website for IEDC Issues	Laravel, MySQL
2	3	2020510039	Rahul Jagdish Kuntawadi	Virtual Lab for Online Practicals	Laravel, MySQL
	4	2020510060	Rakesh Sandip Sonawane	Virtual Lab for Online Practicals	Laravel, MySQL
3	5	2020510011	Rutwik Ragesh Borkar	Website for technical paper presentation competition	Laravel, MySQL
	6	2020510053	Pavan Bhureesh Rajesh Budala	Website for technical paper presentation competition	Laravel, MySQL
	7	2020510006	Bhurnesh Rajesh Bhureesh	Website for Project Exhibition Competition	Laravel, MySQL
	8	2020510034	Sachin Raju Kolhe	Website for Project Exhibition Competition	Laravel, MySQL
5	9	2020510043	Srujanitri Panchhikai	Website for Product Development Center	Laravel, MySQL
	10	2020510025	Maye Sunil Hommaie	Website for Product Development Center	Laravel, MySQL

Mentor :-Prof. Nikhita Manigaoarkar

Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510024	Pranali Ashok Gangi	Website for food services near me [The Happy Plate]	ReactJS, Redux, Firebase
	2	2020510028	Sheetra Suryakant Hanayat	Website for food services near me [The Happy Plate]	ReactJS, Redux, Firebase
2	3	2020510044	Mayur Pandurang Misal	Women safety app [safe-4]	Android, Java
	4	2020510031	Saurabh Labeman Koloski	Women safety app [safe-4]	Android, Java
3	5	2020510017	Prathamesh Patpat Dourad	Website for Test based on MBTI Personality, ADHD, Anxiety and Depression	Django
	6	2020510067	Prata Dip Vakundeswar	Website for Test based on MBTI Personality, ADHD, Anxiety and Depression	Django
4	7	2020510005	Santini Arati Baraskar	Website on Book Donation	Django, Python, HTML, CSS, sqlited
	8	2020510045	Omkar Vishwanath More	Website on Book Donation	Django, Python, HTML, CSS, sqlited
5	9	2020510018	Akash Anil Dubey	Scanning Documents	Block Chain, ML
6	10	2020510035	Ashwin Prakash Kothari	Scraping Document management system	HTML, CSS, PHP, MySQL

Mentor :-Prof. Sakina Shaikh			
Group	Sr.No.	UCID	Name of the Student
Project Title			
1	1	2020510007	Greta Vishwanath Bhat
2	2	2020510013	Krishna Arun Chaitanya
3	3	2020510057	Anushka Arun Sankar
4	4	2020510048	Dewal Nayak
5	5	2020510054	(Anuj Rajeshwaran)
6	6	2020510006	Mohit Ravinder Bedhwani
7	7	2020510032	Kalpesh And Khandelwal
8	8	2020510059	Ayash Kumar Singh
9	9	2020510061	Jagannath Budhraja
10	10	2020510062	Divya Sundaram

Mentor :-Prof. pallavi Thakur			
Group	Sr.No.	UCID	Name of the Student
Project Title			
1	1	2020510019	Vishwanan Vinod Dohay
2	2	2020510020	Tanesh Niraj Gangwal
3	3	2020510023	Sarith Arit Gavande
4	4	2020510015	Anupam Ashok Josan
5	5	2020510026	Abhishek Rajesh Gupta
6	6	2020510022	Swapnil Pramod Gaoskar
7	7	2020510054	Onkar Sudhakar Unikare
8	8	2020510040	Bhavesh Nitinunkar
9	9	2020510052	Nitin Sudhir Phadke
10	10	2020510012	Aoushika Santosh Chauhan



Mentors --Print Prachi Dalvi

Mentor :- Prof. Prachi Dalvi			Project Title			Technology		
Group	Sr.No.	UCID	Name of the Student	Project Title	Description	Technology	Platform	
1	1	20205100043	Sangamit Whijapkar	Housing Society Management App	Android Java	Android Java	Android	
2	2	20205100050	Siekh Pali	Housing Society Management App	Android Java	Android Java	Android	
3	3	2020510004	Akash Ashok Bantle	Data transmission Security using Cryptography	Java	Machine Learning	Machine Learning	
4	4	2020510003	Shivam Balki	Weight Prediction based on various factors	Machine Learning	Machine Learning	Machine Learning	
5	5	2020510036	Sarcket Krishnasingh	Weight Prediction based on various factors	Machine Learning	Machine Learning	Machine Learning	
6	6	2020510025	Prashant Sakharam	Society complaint management system	HTML, CSS, PHP, MySQL	HTML, CSS, PHP, MySQL	Web	
7	7	2020510069	Priyanshi Bhagwat	Student Career Counselling	Android, JAVA, Flutter	Android, JAVA, Flutter	Android	
8	8	2020510002	Jakkishan Babital Singh	Sustaining Domains	Blockchain, ML	Blockchain, ML	Blockchain	
9	9	2020510053	Stratch Samose	Recommendation Systems	Python, Google Colab, pandas	Python, Google Colab, pandas	Python	
10	10	2020510041	Kewal Limbani	Recommendation Systems	Python, Google Colab, pandas	Python, Google Colab, pandas	Python	

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TYMCA Mini Project Sem V 2020 21

		Project Title	Technology
1	UCID 2018450009	Dr. Pooja Raundale /CHAUHAN PREETI MUKESH	Dine-in AR Menu app (peAR Technologies)
2	2018450028	KUMAR SWAPNIL	Augmented Reality Clothing Trial Android Application
3	2018450030	MAREDIA HADI SHAKIR	Optical Character Recognition (Digit Detection) using MNIST Dataset
4	2018450041	RANE SHARDUL PRAMOD	Detection of Parkinson's Disease on Telemonitoring dataset
5	2018450028	SAWALE AKASH MINANATH	Chatbot for S.P.I.T institute website using machine learning
6	2018450049	SHEKHAR HIMANSHU PURNENDU	Implementation of Various Text Summarization techniques
7	2018450054	THOSAR CHETAN VASANT	Detection of Parkinson's Disease on Telemonitoring dataset

	UCID	Prof. Harshil Kanakia	
1	2018450001	/NISHITA AISHWARYA	Giveaway App : Application platform for people to donate items
2	2018450021	JAIN RISHABH MAHENDRA KUMAR	Effect of Corona on business business analysis
3	2018450032	MORE SWAPNIL SANJAY	Effect of Corona on business business analysis
4	2018450037	/PATIL POOJA NILKANTH	Price Monitoring System
5	2018450040	/RANE NEHA ASHOK	Price Monitoring System
6	2018450045	SHAH KUMAR NILESH	Keeper - An android app which helps to plan your day including your daily activities, reminding about medications, utility bills, or simplifying/ maintaining the monthly budget.
7	2018450048	SHARMA AKSHAT YOGESH	Giveaway App - Application platform for people to donate items
8	2018450051	SINGH PRASHANT DEVENDER KUMAR	Keeper - An android app which helps to plan your day including your daily activities, reminding about medications, utility bills, or simplifying/ maintaining the monthly budget.
9	2018450004	/BANDAGALE DIKSHA RAVINDRA	Mental Health Analysis
			Machine learning with python,Jupyter notebook

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10	2018450024	/KAMBLE SAYALI CHANDRAKANT		Machine learning with python, Jupyter notebook
			Mental Health Analysis	

	UCID	Dr. Aarti Karande		
1	2018450002	/ANSARI HAMMAD SHAHID ANWAR	Artificial-Intelligence based news application - A web application which provides user latest news on their voice command. They can control the entire application on voice commands. Users can get news by any terms, any sources, any news channel, or any country. AI will read the headlines for you. This will save a lot of time for users.	React (JavaScript), Intent (AI SDK), RestAPI
2	2018450018	/HATKAR DIVYA AJIT	OCR to detect Text Application	Android
3	2018450029	/MALIK ASMA ABDULLAH		
4	2018450034	/OJHA SUYASH SANTOSH	Task Analytica	Ionic MongoDB
5	2018450047	/SHAIKH MANTASHA ZAKIR	Pharmacy Website	Angular, Firebase
6	2018450055	/TIWARI SHUBHAM PRADEEP	Bike Sharing System	Python Django
7	2018450058	/WADEKAR OMKAR RAVINDRA	Home Automation with NodeMCU	Microcontroller, Embedded C, digital electronics
8	2018450038	/PAWAR PRATIK VISHNU	WearToWhere	asp.net, microsoft sql server
9	2018450050	/SHELKE TANVI ANAND	Flight Price Prediction System	Machine learning with python, Jupyter
10	2018450025	/KAMBLE SWAPNIL BHAIRO	E-Commerce Website	Angular, Firebase

	UCID	Prof. Nikhita Mangaonkar		
1	2018450003	/AREKAR MAULIKA SURESH	Air Quality Prediction System	Python, ML
2	2018450014	/DUBEY AVINASH SHASHI KANT	Drowsiness Detection System	Python, Tensorflow
3	2018450022	/KADER BAZID ABDUL MOHIUDDIN	Clinic Management System	Ionic
4	2018450036	/PAI RAHUL SATYANATH	Drowsiness Detection System	Python, Tensorflow
5	2018450052	/TELPANDE ADITYA SUDHIR	Face-mask detection System	Python, Tensorflow
6	2018450053	/TENDOLKAR SHAILESH VITTHAL	Clinic Management System	Ionic
7	2018450056	/VAISH ABHISHEK BANWARILAL	Face-mask detection System	Python, Tensorflow

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8	2018450057	VIVEK VENKATESH	Air Quality Prediction System	Python, ML
9	2018450008	CHAUGHULE SIDDHESH SHASHIKANT	Job Recommendation Engine	Python, ML, Django
10	2018450026	/KHATAL NILAM APPA	Job Recommendation Engine	Python, ML, Django

	UCID	Prof. Sakina Salmani		
1	2018450011	/DATE ANURADHA SANDEEP	Anti-Ragging Chatbot	Ionic, Dialogflow
2	2018450012	DESALE PURVESH MAHENDRA	Anxiety and Depression Prediction in Gaming Individuals	Python
3	2018450015	FRANK ANTHONY	Anxiety and Depression Prediction in Gaming Individuals	Python
4	2018450017	GUPTA MRIDUL PRADEEP	Video splitter for whatsapp	Android
5	2018450031	MHATRE AKASH PANDURANG	Anti-Ragging Chatbot	Ionic, Dialogflow
6	2018450039	PEDNEKAR HIMANSHU SAJAN	Anti-Ragging Chatbot	Ionic, Dialogflow
7	2018450046	SHAH SHAILIN NIKUL	Video splitter for whatsapp	Android
8	2018450059	/WALKE PRASHIKA AMRENDRA	House Price Prediction using ML	Python Django Jupyter
9	2018450013	/DHUMAL PREETI PRAKASH	House Price Prediction using ML	Python Django Jupyter
10	2018450027	KULKARNI SARVESH GURUNATH	AR Object Measurement App	ARKit 3, Unity
11		YADAV SACHCHIDANAND		
	UCID	Prof. Pallavi Thakur		
1	2018450005	/BARVE RIYA SACHIN	Sentiment Analysis of Youtube Comments	Python
2	2018450006	BHABAL DATTATRAYA VILAS		
3	2018450007	BOOKHE DEVENDRA DIGAMBAR	Data Validation Tool	Nodejs
4	2018450019	HIRE PRATHAMESH ANANDA	Gold Price Prediction in ETF	Machine Learning, Python
5	2018450020	/JADHAV KAJAL KIRAN	Data Validation Tool	Nodejs
6	2018450033	MORWEKAR PRADNYOT NAGESH	Sentiment Analysis of Youtube Comments	Python
7	2018450035	OTHNIEL ALEXANDER	Gold Price Prediction in ETF	Machine Learning, Python
8	2018450060	YADAV CHAITANYA SANJAY	AI News App	React js
9	2018450023	KALAMBE AKSHAY PRABHUDAS	AI News App	React js
10	2018450016	GARJE SATISH BALU	Sentiment Analysis of Youtube Comments	Python
11	2017450015	SWAPNALI KAKADE	Speech Recognition	Java using Sphinx4

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Andheri (W)
Mumbai - 400 059

5	2019450019	GURAV SIDDHESH SANJAY	Online E-Store	HTML, CSS, Bootstrap, Javascript
6	2019450047	SANGWAN SUMIT RAJESH SINGH	Android application for Bicycle rental system	Java, Firebase, Android Studio
7	2019450024	KATARIYA PRATIK GYANCHAND	BlockLoan	Solidity, React JS
8	2019450041	PATIL SUCHETA GANESH	AgroHelper - Application for farmers	Flutter, Firebase, Dart
9	2019450033	NAYAK SAHIL SAMIR	BlockLoan attendance management system with ocr	Solidity, React JS
10	2019450012	DANDVEKAR HARSHAD KISHOR	attendance management system with ocr	Android studio, Firebase, mikit
		Prof. Pallavi Thakur		
1	2019450045	RAWAT DHIRAJ SINGH	Colez	JavaScript, MySQL, PHP
2	2019450015	GANDHI KARAN KIRIT	OCR using Python	Python
3	2019450020	JHA MANISH DILIP	Website Builder	Jsp,servlet,ajax
4	2019450058	VICHARE CHINMAY CHANDRASHEKHAR	Earbender - Music Application	Javascript, Reactjs
5	2019450060	YOGAONKAR ADVAIT NITIN	Earbender - Music Application	Javascript, Reactjs
6	2019450039	PATIL NISARG JAYANT	Website Builder	Jsp,servlet,ajax
7	2019450048	SARVANKAR NIKHIL CHANDRAKANT	Stadium Ticket Booking System	Java, MySQL
8	2019450030	MANKAR PRATIK SURESH	Colez	JavaScript, MySQL, PHP
9	2019450014	DUBEY SIMREN RAJESH	Eventer	java with firebase
10	2019450038	PATIL NIRMIT SHAILESH	Website Builder	Jsp,servlet,ajax

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SYMCA Mini Project Sem III 2020 21

Sr.no.	UCID	Dr. Pooja Raundale	Project Title	Technology
1	2019450046	SAH AYUSH GANGARAM	Pharmacy Management System	Bootstrap, Angular, Java Spring, Hibernate
2	2019450050	SHANBHAG NISHIT PRABHAKAR	CodeSyncr - Code collaboration website	Django, python, mysql
3	2019450013	DEWOLKAR NIKHIL NITIN	Pharmacy Management System	Bootstrap, Angular, Java Spring, Hibernate
4	2019450001	AHER SAMARTH PRADEEP	CodeSyncr - Code collaboration website	Django, python, mysql
5	2019450034	PAL KULDEEP GIRIJA	Movie recommendation system	python, flask, scikit
6	2019450008	BHUSARA ROHIT SHANTARAM	Movie recommendation system	
7	2019450003	BADWE YASH JAYESH	Movie recommendation system	python, flask, scikit
8	2019450002	BACHHE MANGESH SHADANAN	Movie recommendation system	python, flask, scikit

		Prof. Harshil Kanakia		
1	2019450009	BISHT SHRISTI GHANENDRA	Informatica	Android App in Java and Firebase
2	2019450025	KHANDELWAL ATUL RAVI SHANKAR G.	StepUp Survey	Angular, Nodejs, mysql
3	2019450028	LAKHANI ALI RAZA ZAHEER ASMA	Project MoM	Python3, Flask, nltk, JavaScript, jquery, Amazon AWS
4	2019450035	PANDEY ANURAG PRAKASVEER	AuctionBlock	Web Application using ReactJS, Solidity and Ganache Blockchain
5	2019450037	PARAB VISHAL SUHAS	Scanit - A Document scanner application along with QR and OCR features	Android(Java), Firebase
6	2019450057	VANOO SARVAR FIROZ	Babel Fish - Translate text on the go by clicking images	Android(Java), Firebase, AI ML(NLP and Computer Vision Concepts)
7	2019450040	PATIL SAPTAK	Informatica	Android App in Java and Firebase
8	2019450022	KAMBLE ROHIT DAMODAR	StepUp Survey	Angular, Nodejs, mysql
9	2019450051	SHIKHARE CHINMAY CHANDRAKANT	garbage management system	angular, mysql



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		Dr. Aarti Karande		
1	2019450028	KHANDELWAL JAY	Covid-19 analysis	Python, Django
2	2019450059	VISAVE JAY DEEPAK	society maintenance system	Ionic, Angular and Firebase
3	2019450042	PATWARDHAN NINAD PRADEEP	society maintenance system	Ionic, Angular and Firebase
4	2019450018	GURAV AMAR NANDKUMAR	SwapTreasures	Java, Spring boot, H2, JSON
5	2019450049	SATHE AJINKYA ANIL KHANOLKAR NEIL CHIDANAND	Eco-Bappa	Ionic, Angular and Firebase
6	2019450027	SHINDE KETAKI CHANDRAKANT	Covid-19 analysis	Python, Django
7	2019450053	PAWAR ONKAR BHASKAR	Eco-Bappa	Ionic, Angular and Firebase
8	2019450043	KAMBOJ NANCY	SwapTreasures	Java, Spring boot, H2, JSON
		Prof. Nikhita Mangaonkar		
1	2019450017	GUPTA ABHISHEK GIRIRAJPRASAD	NLP for Toddlers	NLP using Python, ReactJS, Django, MongoDB
2	2019450010	CHAUBEY SHIVAM RAMESH	NLP for Toddlers	NLP using Python, ReactJS, Django, MongoDB
3	2019450044	PAWAR SANKET JALINDAR	CryptoWallet	javascript, Reactjs, NodeJs
4	2019450016	GHOSH NEERAJ BISWAJIT	workload management system	spring boot
5	2019450054	SINGH AKASH BALWANT	Bluetooth Chatting App	Java, MySQL
6	2019450004	BHAGWAT RUSHIKESH GANGADHAR	Bluetooth Chatting App	Java, MySQL
7	2019450029	MAJNEKAR ROHIT HARESH	InteractIV	Angular, Android with nodejs
8	2019450005	BHALERAO SIDDHARTH PREMRAJ	workload management system	spring boot
9	2019450055	SONEJI PRANAV DINESH	InteractIV	Angular, Android with nodejs
		Prof. Sakina Salmani		
1	2019450066	SUWALKA NIKHIL SHAILESH	CodeSyncr	Django
2	2019450036	PANDEY SHWETA	AI Solves Sudoku	Python
3	2019450031	MARATHE YADAV JAYESH SITARAM	AI Solves Sudoku	Python
4	2019450007	BHIWAPURKAR SHUBHAM NARENDRRA	AgroHelper - Application for farmers	Flutter, Firebase, Dart



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Mentor :-Dr. Pooja Raundale					
Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510027	Shubham Gupta	Real time two way communication using sign language over network	Python, NLP, ML, OpenCV
1	2	2020510038	Udit Kulkarni	Real time two way communication using sign language over network	Python, NLP, ML, OpenCV
2	3	2020510031	Shubham Jaiswal	prediction of parkinson's disease using machine learning and deep learning	python, ml, google colab,pandas
2	4	2020510068	Meghna Wanikarde	prediction of parkinson's disease using machine learning and deep learning	python, ml, google colab,pandas
3	5	2020510010	Pallavi Bolar	Personality analysis based on video processing	Jupyter notebook, OpenCV, pyAudioAnalysis
3	6	2020510063	Rashika Suvarna	Personality analysis based on video processing	Jupyter notebook, OpenCV, pyAudioAnalysis
4	7	2020510047	Siddharth Nair	Automatic Physics Word Problem Solver	Python, NLP, ML,RNN,reactjs,node
5	8	2020510066	Vaibhav Tyagi	Automatic Physics Word Problem Solver	Python, NLP, ML,RNN, reactjs,node
5	9	2020510037	Piyush Kukade	Recommendation Systems	Python,Google Colab,pandas



Mentor :-Prof. Harshil Kanakia					
Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510040	Mahesh Kuly	Meal Planner for allergic person	React Native, Firebase, Python
1	2	2020510055	Mahesh Sadhwani	Meal Planner for allergic person	React Native, Firebase, Python
2	3	2020510061	Tanay Srivastava	Contact Tracing App for various contagious disease	Android - Java, XML, Firebase
2	4	2020510015	Aniruddha Deshmukh	Contact Tracing App for various contagious disease	Android - Java, XML, Firebase
3	5	2020510021	Tahir Gani	Freelancing App	Flutter and Firebase
3	6	2020510056	Samridhi Salian	Freelancing App	Flutter and Firebase
4	7	2020510030	Tejal Jadhav	PCOD Website	Django and SQLite
5	8	2020510014	Lovin D'Cruz	App for mental health care	Android - Java, Firebase
6	9	2020510008	Debarati Biswas	Pet App	Android - Java, Firebase
10	10	2020510001	Surbhi Agarwal	Pet App	Android - Java, Firebase

Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510042	Rahul Rajaram Mangalarapu	Website for IEDC Ideas	Laravel, MySQL
	2	2020510016	Dhawal Jitendra Patil	Website for IEDC Ideas	Laravel, MySQL
2	3	2020510038	Rahul Jagdish Kurnawat	Virtual Lab for Online Practicals	Laravel, MySQL
	4	2020510060	Rutika Sandipan Sonawane	Virtual Lab for Online Practicals	Laravel, MySQL
3	5	2020510011	Rutwik Rajesh Borkar	Website for technical paper presentation competition	Laravel, MySQL
	6	2020510053	Vinod Ramchandra Pujari	Website for technical paper presentation competition	Laravel, MySQL
4	7	2020510009	Bhumesh Rajesh Bodhade	Website for Project Exhibition Competition	Laravel, MySQL
	8	2020510034	Sachin Raju Kolhe	Website for Project Exhibition Competition	Laravel, MySQL
5	9	2020510049	Srushti Panchbhai	Website for Product Development Center	Laravel, MySQL
	10	2020510029	Mayur Surnil Horamane	Website for Product Development Center	Laravel, MySQL

Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510024	Pranali Ashok Ghig	Website for food services near me (The Happy Plate)	React JS, Redux, Firebase
	2	2020510028	Sneha Suryakant Hanyan	Website for food services near me (The Happy Plate)	React JS, Redux, Firebase
2	3	2020510044	Mayur Panturang Misal	Women safety app (safe-4)	Android - Java
	4	2020510033	Saurabh Lawman Kolapate	Women safety app (safe-4)	Android - Java
3	5	2020510017	Prathamesh Popat Dound	Anxiety and Depression	Django
	6	2020510067	Pratik Dilip Vakurdekar	Anxiety and Depression	Django
4	7	2020510005	Sehil Anil Baraskar	Website on Book Donation	Django, Python, HTML, CSS, sqlite3
	8	2020510045	Omkar Vishwanath More	Website on Book Donation	Django, Python, HTML, CSS, sqlite3
5	9	2020510018	Akash Anil Duthey	Securing Documents	Block Chain, ML
	6	2020510035	Ashwin Prakash Koli	Society complaint management system	HTML, CSS, PHP, MySQL

Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510007	Geeta Vishwanath Bhat	Ecommerce website for Farmers (Farmer Ecommerce)	admin
	2	2020510013	Krishna Arun Chhabra	Stream Away (Content Streaming App)	Android, Java, XML
3	3	2020510057	Anushka Arun Salvi	the karmayavai(website for scrap shops)	HTML, CSS, PHP, MySQL
	4	2020510048	Deval Navat	HealthCare App	Android Studio

Mentor :- Prof. Sakina Shaikh

Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510007	Geeta Vishwanath Bhat	Ecommerce website for Farmers (Farmer Ecommerce)	admin
	2	2020510013	Krishna Arun Chhabra	Stream Away (Content Streaming App)	Android, Java, XML
3	3	2020510057	Anushka Arun Salvi	the karmayavai(website for scrap shops)	HTML, CSS, PHP, MySQL
	4	2020510048	Deval Navat	HealthCare App	Android Studio



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5	5	2020510054	Tanuj Railendrasingh Rajput	Adventures Of The Lost World (Educational Game)	Python(Ren'Py), Vroid, Unity, Mixamo
6	6	2020510006	Mohit Revinder Bellwani	Adventures Of The Lost World (Educational Game)	Python(Ren'Py), Vroid, Unity, Mixamo
7	7	2020510032	Kalpesh Anil Khandelwal	Adventures Of The Lost World (Educational Game)	Python(Ren'Py), Vroid, Unity, Mixamo
8	8	2020510059	Adarsh Kumar Aryindumar Singh	Adventures Of The Lost World (Educational Game)	Python(Ren'Py), Vroid, Unity, Mixamo
6	9	2020510051	Jegannath Budhiya Patra	Quiz Web Application	JS
7	10	2020510052	Divya Sundaram	IP Scanner	Python, flask

Mentor :Prof. Pallavi Thakur					
Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510019	Vishwan Vinod Dubey	Covid blog	Tableau, React, JS
2	2	2020510020	Tanish Niraj Gangwani	Covid blog	Tableau, React, JS
2	3	2020510023	Siddhi Anil Gavande	Face Mask Detection	Python, Keras, OpenCV, ML
	4	2020510065	Anupam Ashok Tiwari	Face Mask Detection	Python, Keras, OpenCV, ML
3	5	2020510026	Abrishhek Rajesh Gupta	Easy Medicines	Django
4	6	2020510022	Swapnil Pramod Gaonkar	Donation Website	HTML, CSS, JavaScript, JSP, MySQL
5	7	2020510064	Omkar Sudhakar Tatkare	Sentiment Analysis of COVID-19 Tweets	Jupyter notebook, NLP, ML
6	8	2020510046	Bhavesh Nitin Naik	predict Effect of Covid-19 on stock market using ml	python, ml, tensorflow
7	9	2020510052	Nehil Sodhar Phadke	Student Micro Loan Management System	React, JS, MongoDB
	10	2020510012	Anushka Santosh Chavhan	Student Micro Loan Management System	React, JS, MongoDB

Mentor :Prof. Prachi Dalvi					
Group	Sr.No.	UCID	Name of the Student	Project Title	Technology
1	1	2020510043	Swapnil Mhatrankar	Housing Society Management App	Android, Java
	2	2020510050	Siddhi Patil	Housing Society Management App	Android, Java
2	3	2020510004	Akash Ashok Barnacle	Data transmission Security using Cryptography	
3	4	2020510003	Shivam Balki	Weight Prediction based on various factors	Machine Learning
	5	2020510036	Sanket Kshirsagar	Weight Prediction based on various factors	Machine Learning
4	6	2020510025	Prashant Sakharam Gujar	Society complaint management system	HTML, CSS, PHP, MySQL
5	7	2020510059	Prajwal Bhagwat Warkhade	Student Career Counselling	Android, JAVA, Flutter
6	8	2020510002	Jahkshan Babulal Bagul	Securing Documents	Block Chain, ML
7	9	2020510058	Shaleek Samee	Recommendation Systems	Python, Google Colab, pandas
	10	2020510041	Keval Limbani	Recommendation Systems	Python, Google Colab, pandas



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**Bhartiya Vidya Bhavan's ,
Sardar Patel Institute Of Technology Andheri (West) Mumbai
INDUSTRY RELATIONS**

TY Students Mini Project Year 2019-20

Sr. no.	UID	Name	Project Guide Name
1	2015450043	Raorane Niraj Madhusudan	Dr. Pooja Raundale
2	2016450012	D'SOUZA VIJAY CLINTON	Dr. Pooja Raundale
3	2017450001	Bargal Rohan Bhagwan	Dr. Pooja Raundale
4	2017450003	Devang Chhajed	Harshil T. Kanakia
5	2017450004	Chikhala Taiyeba Altaf Hussain	Dr. Pooja Raundale
6	2017450005	Desai Pranay Nimesh	Nikhita Mangaonkar
7	2017450006	Devadiga Pradnya Padmanabha	Sakina Salmani
8	2017450008	Gaddam Vinay Shankar	Harshil T. Kanakia
9	2017450009	Garg Nipun Balkishan	Dr. Pooja Raundale
10	2017450010	Garhwali Mayur S	Harshil T. Kanakia
11	2017450013	Jain Daksh Rajesh	Harshil T. Kanakia
12	2017450014	Kadu Monan Jayram	Aarti M. Karande
13	2017450015	Kamble Bhogendra Dinesh	Sakina Salmani
14	2017450017	Katale Asha Arun	Mayura Nagar
15	2017450018	Kazi Atif Ali Farid Ali	Nikhita Mangaonkar
16	2017450019	Khandke Vaibhav Kishor	Taruna Sharma
17	2017450020	Khedker Vishal Devidas	Harshil T. Kanakia
18	2017450021	Koyande Sourabh Ravindra	Mayura Nagar
19	2017450022	Kumbhare Pratik Ashok	Rupesh Bhoir
20	2017450023	Lobo James Nicholus	Aarti M. Karande
21	2017450024	Maneshwari Mrinal	Harshil T. Kanakia
22	2017450025	Mandloi Vinod Devram	Rupesh Bhoir
23	2017450027	Mapah Vinod Prakash	Aarti M. Karande
24	2017450028	Mistry Shreyas Vasant	Sakina Salmani
25	2017450026	Mistry Shreyas Vasant	Sakina Salmani
26	2017450029	Musham Vijay Nagesh	Aarti M. Karande
27	2017450030	Naringrekar Pranav Anant	Harshil T. Kanakia

28	2017450031	Anurag Narkhede	Aarti M. Karande
29	2017450033	Niwane Aakash Dinesh	Dr Pooja Raundale
30	2017450034	Panicker Shweta Suresh	Harshil T. Kanakia
31	2017450037	Patel Nidhi B	Mayura Nagar
32	2017450038	Pichholia Puneet Basant	Dr. Pooja Raundale
33	2017450039	Pol Aditya Shridhar	Taruna Sharma
34	2017450040	Rajwade Hrushikesh Jayant	Nikhita Mangaonkar
35	2017450041	Rathi Shyamkumar Santosh	Dr. Pooja Raundale
36	2017450042	Raut Shraddha Prasad	Dr. Pooja Raundale
37	2017450043	Ravat Gaurav Navinchandra	Taruna Sharma
38	2017450044	Raykar Omkar Ravindra	Dr. Pooja Raundale
39	2017450045	Saari Rajan	Aarti M. Karande
40	2017450046	Deepesh Sanadhyा	Sakina Salmani
41	2017450047	Satane pranil dinesh	Taruna Sharma
42	2017450049	Sheikh Aftab Noor	Nikhita Mangaonkar
43	2017450050	Shinde Akash Nilesh	Taruna Sharma
44	2017450051	Shinde Anjali Ram	Taruna Sharma
45	2017450052	Sikri Nishant	Sakina Salmani
46	2017450053	Singh Devender Sardul	Nikhita Mangaonkar
47	2017450054	Singh Vishal Shyamsunder	Sakina Salmani
48	2017450056	Tikar Priyanka Dilip	Mayura Nagar
49	2017450056	Tome Ashlesha Vinod	Aarti M. Karande
50	2017450057	Sagar Shahadev Vanave	Mayura Nagar
51	2017450058	Vas Allan Vitas	Sakina Salmani
52	2017460060	Zada Akshay Nitin	Rupesh Bhoir

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SYMCA Mini Project 2019 20

UCID	Name of the Student	Guide Name
2019450001	AHER SAMARTH PRADEEP	Dr. Pooja Raundale
2019450002	BACHHE MANGESH SHADANAN	Dr. Pooja Raundale
2019450003	BADWE YASH JAYESH	Dr. Pooja Raundale
2019450004	BHAGWAT RUSHIKESH GANGADHAR	Prof. Nikhita Mangaonkar
2019450005	BHALERAO SIDDHARTH PREMRAJ	Prof. Nikhita Mangaonkar
2019450007	BHIWAPURKAR SHUBHAM NARENDRA	Prof. Sakina Salmani
2019450008	BHUSARA ROHIT SHANTARAM	Dr. Pooja Raundale
2019450009	BISHT SHRISTI GHANENDRA	Prof. Harshil Kanakia
2019450010	CHAUBEY SHIVAM RAMESH	Prof. Nikhita Mangaonkar
2019450012	DANDVEKAR HARSHAD KISHOR	Prof. Sakina Salmani
2019450013	DEWOOLKAR NIKHIL NITIN	Dr. Pooja Raundale
2019450014	DUBEY SIMREN RAJESH	Prof. Pallavi Thakur
2019450015	GANDHI KARAN KIRIT	Prof. Pallavi Thakur
2019450016	GHOSH NEERAJ BISWAJIT	Prof. Nikhita Mangaonkar
2019450017	GUPTA ABHISHEK GIRIRAJPRASAD	Prof. Nikhita Mangaonkar
2019450018	GURAV AMAR NANDKUMAR	Dr. Aarti Karande
2019450019	GURAV SIDDHESH SANJAY	Prof. Sakina Salmani
2019450020	JHA MANISH DILIP	Prof. Pallavi Thakur
2019450022	KAMBLE ROHIT DAMODAR	Prof. Harshil Kanakia
2019450023	KAMBOJ NANCY	Dr. Aarti Karande
2019450024	KATARIYA PRATIK GYANCHAND	Prof. Sakina Salmani
2019450025	KHANDELWAL ATUL RAVI SHANKAR G.	Prof. Harshil Kanakia
2019450026	KHANDELWAL JAY	Dr. Aarti Karande
2019450027	KHANOLKAR NEEL CHIDANAND	Dr. Aarti Karande
2019450028	LAKHANI ALI RAZA ZAHEER ASMA	Prof. Harshil Kanakia
2019450029	MAJNEKAR ROHIT HARESH	Prof. Nikhita Mangaonkar
2019450030	MANKAR PRATIK SURESH	Prof. Pallavi Thakur
2019450031	MARATHE YADAV JAYESH SITARAM	Prof. Sakina Salmani
2019450033	NAYAK SAHIL SAMIR	Prof. Sakina Salmani
2019450034	PAL KULDEEP GIRIJA	Dr. Pooja Raundale
2019450035	PANDEY ANURAG PRAKASVEER	Prof. Harshil Kanakia
2019450036	PANDEY SHWETA	Prof. Sakina Salmani
2019450037	PARAB VISHAL SUHAS	Prof. Harshil Kanakia
2019450038	PATIL NIRMIT SHAILESH	Prof. Pallavi Thakur
2019450039	PATIL NISARG JAYANT	Prof. Pallavi Thakur
2019450040	PATHI SAPTAK	Prof. Harshil Kanakia
2019450041	PATIL SUCHETA GANESH	Prof. Sakina Salmani
2019450042	PATWARDHAN NINAD PRADEEP	Dr. Aarti Karande
2019450043	PAWAR ONKAR BHASKAR	Dr. Aarti Karande
2019450044	PAWAR SANKET JALINDAR	Prof. Nikhita Mangaonkar
2019450045	RAWAT DHIRAJ SINGH	Prof. Pallavi Thakur
2019450046	SAH AYUSH GANGARAM	Dr. Pooja Raundale
2019450047	SANGWAN SUMIT RAJESH SINGH	Prof. Sakina Salmani
2019450048	SARVANKAR NIKHIL CHANDRAKANT	Prof. Pallavi Thakur
2019450049	SATHE AJINKYA ANIL	Dr. Aarti Karande
2019450050	SHANBHAG NISHT PRABHAKAR	Dr. Pooja Raundale



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2019450051	SHIKHARE CHINMAY CHANDRAKANT	Prof. Harshil Kanakia
2019450053	SHINDE KETAKI CHANDRAKANT	Dr. Aarti Karande
2019450054	SINGH AKASH BALWANT	Prof. Nikhita Mangaonkar
2019450055	SONEJI PRANAV DINESH	Prof. Nikhita Mangaonkar
2019450056	SUWALKA NIKHIL SHAILESH	Prof. Sakina Salmani
2019450057	VANOOG SARVAR FIROZ	Prof. Harshil Kanakia
2019450058	VICHARE CHINMAY CHANDRASHEKHAI	Prof. Pallavi Thakur
2019450059	VISAVE JAY DEEPAK	Dr. Aarti Karande
2019450060	YOGAONKAR ADVAIT NITIN	Prof. Pallavi Thakur

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FYMCA Mini Project Details 19-20

UCID	Name of the Student	Project Title	Mentor Name	Approved	
2019450010	Shivam Chaubey	Helping Hand	Prof. Nikhita Mangaonkar	Approved	
2019450017	Abhishek Gupta	Helping Hand	Prof. Nikhita Mangaonkar	Approved	
2019450020	Manish Jha	Helping Hand	Prof. Pallavi D. Thakur	Approved	
2019450037	Vishal Parab	Helping Hand	Prof. Harshil Kanakia	Approved	
2019450015	Karan Gandhi	Data Visualization	Prof. Pallavi Thakur	Approved	
2019450001	Samarth Aher	Data Visualization	Prof. Rupesh Bhoir	Approved	
2019450027	Neil Khanolkar	MusicPlayer++	Prof. Aarti Karande	Approved	Document need to be improved
2019450029	Rohit Majnekar	MusicPlayer++	Prof. Nikhita Mangaonkar	Approved	
2019450039	Nisarg Patil	Career Guidance	Prof. Pallavi D. Thakur	Approved	
2019450038	Nirmil Patil	Career Guidance	Dr. Niti Desai	Approved	
2019450049	Ajinkya Sathe	Kindergarten Learning	Dr. Aarti Karande	Approved	document need to be improved
2019450055	Pranav Soneji	Kindergarten Learning	Dr. Niti Desai	Approved	
2019450041	Sucheta Patil	Cycle Sharing App	Prof. Taruna Sharma	Approved	
2019450043	Onkar Bhaskar Pawar	Cycle Sharing App	Dr. Aarti Karande	Approved	
2019450051	Chinmay Shikhare	Cycle Sharing App	Prof. Rupesh Bhoir	Approved	
2019450046	Ayush Sah	Soil Moisture Sensor Using IOT	Prof. Taruna Sharma		Only documentation done Kit was not there due to lockdown
2019450054	Akash Singh	Soil Moisture Sensor Using IOT	Prof. Nikhita Mangaonkar	Approved	
2019450059	Jay Visave	Soil Moisture Sensor Using IOT	Prof. Aarti Karande	Approved	Tinkercad simple model was shown in relevant to current project
2019450022	Rohit Kamble	AutoFine	Prof. Harshil Kanakia	Approved	
2019450030	Pratik Mankar	AutoFine	Prof. Pallavi D. Thakur	Approved	
2019450035	Anurag Pandey	AutoFine	Prof. Harshil Kanakia	Approved	
2019450028	Aliraza Lakhani	Network Sharing	Prof. Harshil Kanakia	Approved	
2019450031	Jayesh Marathe Yadav	Network Sharing	Prof. Sakina	Approved	
2019450034	Kuldeep Pai	Network Sharing	Dr. Niti Desai	Approved	
2019450023	Nancy Kamboj	Mart Ready	Dr. Niti Desai	Approved	
2019450038	Shweta Pandey	Mart Ready	Prof. Sakina	Approved	modifications in the document suggested
2019450004	Rushikesh bhave	Attendance		Approved	



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2019450008	Rohit Ursara	management with the OCR		Approved	
2019450012	Harshad Dandvekar		Dr. Niti Desai	Approved	
2019450013	Nikita Dewoolkar	mcatutor	prof. taruna sharma	Approved	
2019450007	shubham chivapurkar	mcatutor	prof. sakina	Approved	modifications in the document were suggested
2019450016	neeraj ghosh	mcatutor	prof. nikhita mangaochar	Approved	
2019450003	Yash Badwe		Prof. Taruna Sharma	Approved	
2019450009	Shristi Bisht		Prof. Harshil T. Kanakia	Approved	
2019450018	Amar Gutav	Journalist's Assistant	Dr. Aarti Karande	Approved	Document need to be improved
2019450050	Nishit Shanbhag		Prof. Rupesh Bhoir	Approved	
2019450056	Nikhil Suwalka	Home Surveillance System	Prof. Sakina	Approved	changes in document
2019450024	Pratik Kataria		Prof. Taruna Sharma	Approved	
2019450025	Atul Khandelwal		Prof. Harshil T. Kanakia	Approved	
2019450026	Jay Khandelwal	The Writer: A speech recognition editor	Dr. Aarti Karande	Approved	Document need to be improved
2019450005	Siddharth bhalerao	Personal Desktop Assistant	Prof. Nikhita Mangaokar	Approved	
2019450014	Siddharth bhalerao		Dr. Niti Desai	Approved	*Simran
2019450060	Adyait Yognanker			Approved	
2019450068	Chinmay Vichare		Prof. Pallavi D. Thakur	Approved	
2019450044	Sanket Pawar	Blog Rating System	Prof. Nikhita Mangaokar	Approved	
2019450019	Siddhesh Gurav	Gender Classification and Age Estimator	Prof. Sakina Shaikh		video of project shown Actual project not working fine, documentation not approved
2019450042	Ninad Patwardhan	Restaurant Table Management	Dr. Aarti Karande	Approved	
2019450063	Ketaki Shinde		Dr. Aarti Karande	Approved	
2019450047	Sumit Sanwani	9-5 Priority Based Schedule Management System	Prof. Rupesh Bhoir	Approved	
2019450048	Nikhil Sarvanker		Prof. Pallavi D. Thakur	Approved	
2019450057	Sanyam Vaidya	Automatic Question Paper Generator	Prof. Harshil T. Kanakia		Project is taken from Github
2019450045	Dhruv Rawat	Automatic Question paper generator			
2019450031	Sahil Nayak	Disease prediction system	Prof. Rupesh Bhoir	Approved	
2019450040	Saptak Patil	Disease prediction system	Prof. Harshil T. Kanakia	Approved	
2019450022	Mangesh Bachhe	Task Master	Prof. Taruna Sharma		



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Semester →

Student Details TYMCA 2018 19 Mini Project

UID	Name of the student	Project Title	Research Paper Title	Working Email Id	Mentor Name	Technology Domain (Tentative)	Domain of Research
2016450002	Bang Kritika Sanjay	Smartly Built Smart Restaurant	Smart Home	kritikabang@gmail.com	Prof. Aarti M. Karande	IOT	
2016450003	Bhabai Kanishma Kamlaakar	Referential Data System	Social Media Advertising Recommendation Engine Analysis od Social Network using Naive Bayes	karishmabhabsab@255@9 mail.com	Prof. Harshit T. Kanakia	Data Analytics and Data Mining	
2016450005	Britto Ryan Michael	ROI In Cash Equities System	Middle Office Application and Static Data Management Tool	ryanbritto3@gmail.com	Prof. Harshit T. Kanakia	Machine Learning and Data Mining	
2016450006	Chavhan Phayrika Vijay	Concordia Unifi	FACE DETECTION AND RECOGNITION	priyac2594@gmail.com	Prof. Aarti M. Karande	DevOps, .Net, Python	
2016450007	Choudhary Pooja Jagdish	UCIC Bank Reconciliation	Use of Range-Based and Hashed Sharding Overview of Lypespace Issue; Cyber Enabled Influence or Information Operations	pooja898choudhary@g mail.com	prof. Sakina shah	New Port, UFT, Macros	Data Analysis
2016450010	Dhanorkar Shrikant Prabhakar	XENIO HEALTH	Employee Performance Evaluation	dhanorkar.spd@gmail.com	Dr. Pooja Raurdale	SQL, MongoDB	MongoDB
2016450013	Ganatra Akshita Sanjay	JackTrade	Crime Spot Detection	akshitaganatra16@gmail.com	ETL, BI		
2016450014	Goswami Debasish Manish	Docker Monitoring and OVPN Automation	Sentiment Analysis of College Reviews using Machine Learning & Data Mining	debashishgoswami009@gmail.com	Angular 6	Machine Learning	
2016450015	Gupta Ghanshyam Ramil	Industrial websites and Seo analysis and Marketing	Analytical and Comparative study of face detection and face recognition for blind and visually impaired people	gghanshyam01@gmail.com	Prof. Nikhita Mangaonkar	Machine Learning and Data Mining	
2016450016	Gupta Kashyap Atul	SecMaster	Optical Mark Recognition	guptakashyap7024@gmail.com	Prof. Taruna Sharma	PHP,bootstrap Net, SQL	Advertisement and marketing web designing
2016450017	Jadhav Saurabh Nishikant			saurabh303@gmail.com	Dr. Pooja Raundale	Server, Sharepoint, PowerBI	Machine Learning and Neural Network



			DESIGN OF SMART FIREARM USING BIOMETRIC AND RFID SECURITY					
2016450018	Jain J Yash Sakariya Jitendra	circular replication	Galeria Cluster creation and fetching family details Backup-restore automation	Tracking and emergency alert device for women children and Alzheimer patient	yashijain0895@gmail.com	Prof Aarti M Karande	Devops	IOT in firearms
2016450020	Khan Abdullaawab Abdulhaque				khano19950@gmail.com	Prof Pallavi Thakur	Devops	IoT
2016450021	Khandekar Omkar Ramesh	Use of Servomotor for smart irrigation using weather Forecasting	Smart Irrigation		omkarhankar100@gmail.com	Prof. Pallavi Thakur	ETL, Sybase	IOT
2016450022	Khot Akshay Shridhar	Referential Data System	Face detection algorithm		khot422@gmail.com	Prof. Rupesh Bhoir	Java, Oracle	
2016450023	Kotharkar Omkar Sunil Kalwankar	Data Import and Price Inserts	Sentiment Analysis for Mobile Product Reviews	Smart NPC: A non cheating AI	omkarkotharkar@gmail.com	Prof. Nikhil Mangaoonkar	Java, Oracle SQL	Data Analysis
2016450024	Abhishek Anil	Process Engineering	Intra-team portal, Infrastructure Monitoring Dashboard	IMSI-catcher a major threat to communication	kotwankar_abhishek@gmail.com	Prof. Rupesh Bhoir	T-SQL, SSIS, Power BI	Game AI
2016450025	Kuril Delanoy V M Sudheendran		DevOps(Docker)	Advanced Solution for Organization	delandykunil@gmail.com	Dr. Pooja Raundale		
2016450027	Mahajan Pratik Rajendra	Jack Trade			pratik.mahajan449@gmail.com	Prof. Sakshi Shaikh	DevOps	DevOps
2016450028	Margaye Rajan Tukaram	OMR	Optical Mark Recognition		rajanmargaye11@gmail.com	Prof. Taruna Sharma	Stack developer	Machine Learning and Neural Network
2016450029	Mishra Ashish Anil	e Trading	Sentiment Analysis of College Reviews using Machine Learning & Data Mining	Comparative study between Spark and Hadoop	mishraashish034@gmail.com	Prof. Nikhil Mangaoonkar	Quality analyst	Machine Learning and Data Mining
2016450032	Pakhure Sanjay Damodar	JackTrade			pakhuresanjay@gmail.com	Prof Harshit T Kansaria	Quality Analyst	Data Analytics and Data Mining
2016450033	Pandey Pratiksha Kamlakant	Patient Care Management	Analysis of Recommendation Model For e-commerce Websites Based on Rating Dataset			Prof. Harshil T. Kanakia	Angular 6	Data Analytics and Data Mining
2016450034	Pandey Sumit Shitalaprasad	Anomaly Detection	Behaviour Detection			Prof. Sakina Snaikh	Devops	Machine Learning



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Project ID	Name	Supervisor	Description	Lead Developer	Team Lead	Technology Stack	Machine Learning
2016450035	Parab Lekhana Shresh	Concordia	Avoiding unnecessary ER visits	lekhanasparab@gmail.com	Prof. Pallavi Thakur	.java, MongoDB	Machine Learning
2016450036	Patel Pooja Bipin	Admin Console	Healthcare	poojapatel2604@gmail.com	Prof. Aarti M. Karande	Angular , Java	Data Mining
2016450038	Patil Naresh Sudhakar	preDD	Advanced Biometric Authentication using Palm Veins	nareshpatil_21@yahoo.in	Prof. Taruna Sharma	Angular	Biological Biometric
2016450039	Pimpalkar Kaustubh Vasant	Process Automation	An Automation System for eCommerce Website Using Alteryx Designer	kvp.spit@gmail.com	SOI- Alteryx Designer, Tableau	Java, SQL, MongoDB	Data Analytics
2016450041	Rajput Arshul Anup	Concordia	Comparative study of data compression techniques	anshulrajput@hotmail.com	Prof. Sakina Shaikh	Java, SQL, MongoDB	Data Analytics
2016450042	Rajput Ravi Ashok	Smart Time Switch	Comparative study of data compression techniques	rajputravi701@gmail.com	Dr. Pooja Raundale	Mean Stack	
2016450043	Ram Sanjay Kari	heartlistcollectivefilms website	Smart NPC: A non cheating AI	sanjuram41@gmail.com	Dr. Pooja Raundale	Wordpress, PHP, MysqI	Game AI
2016450044	Rane Karan Mahendra	Data Loss Prevention	Seizure detection using IOT and Deep Learning	karanranee96@gmail.com	Prof. Aarti M. Karande	Enterprise Support	IoT and Machine Learning
2016450045	Rathod Drashti Pradip	FileCom	Crime Spot Detection	drashtrathod16@gmail.com	Prof. Nikhita Mangaonkar	Java, Oracle ETL, SQL, SAP BO	Learning and Data Mining
2016450046	Roorwal Pravin Kanhaiyalal	back office settlement system	Smart Irrigation	roomwala@gmail.com	Prof. Pallavi Thakur	ML and IoT	ML and IoT
2016450047	Sahare Samiksha Kishore	Pharmaceutical Foundation	Comparison of face detection algorithm	samiksha01sahare@gmail.com	Prof. Rupesh Bhoir	Angular, Node.js, Postgres	Machine learning
2016450049	Saud Anjum Ayaz Ahmad	Smart Healthcare System	Sentiment Analysis for Mobile Product Reviews	saudjistar@gmail.com	Prof. Nikhita Mangaonkar	Mean Stack	Data Analysis
2016450050	Sawardekar Rohit Ravindra	Nstro Loro	Analysis of Social Network using Naïve Bayes	sawardekar.rohit078@gmail.com	Prof. Harshil Kanakia	Angular	machine learning and data mining
2016450051	Shah Jimit Manoj Shaikh	CBM SmartSeries	Cambridge Analytica	shahjimitindia@gmail.com	Prof. Harshil Kanakia	php, Bootstrap, JS	Case Study
2016450052	Umarfarukh Alauddin	Robotic Process Automation	Robotic Process Automation	farukh00@outlook.com	Prof. Pallavi Thakur	Bot Development, Automation	Software Bot
2016450053	Shenoy Gindhar Prakash	LibreNMS Setup/Admin, ElasticSearch PoC	Cambridge Analytica	ginehenoy95@gmail.com	Prof. Harshil Kanakia	DevOps	Case Study

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Project ID	Student Name	Description	Code Link	Supervisor	Role	Technology Stack	Platform	Completion Status
2016450054	Shetty Rupesh Uday	Authontative DDoS server and OpenVPN automation	IT Automation using SaltStack	rupeeshshetty001@gmail.com	Prof. Sakina Salmani	DevOps	DevOps	In Progress
2016450055	Thaker Bhoomi Anupam	System monitoring and setup	Distributed system monitoring using Riemann	thakerbhoomi@gmail.com	Dr. Pooja Raundale	DevOps	DevOps	In Progress
2016450056	Thakur Muhurt Millind	Templating tool and Workflow module and galera after automation	Comparative Assessment of Batch processing and Stream processing	muhurt.thakur@gmail.com	Prof. Aarti M. Karande	Java, Oracle, Data Analysis	Data Analysis	In Progress
2016450058	Vyas Mihir Jagdish Prabhunath	IT Automation using SaltStack	IT Automation using SaltStack	mihirvyas.vyas@gmail.com	Prof. Sakina Salmani	DevOps	DevOps	In Progress
2016450059	Yadav Digvijay Prabhunath	NDC Crosswalk Management	Deepfake: A Survey on Facial Forgery Technique	diggydigvijay8723@gmail.com	Prof. Sakina Salmani	PHP, MySQL, JavaScript,	Machine Learning	In Progress
2016450061	Zade Kunal Sudhir	Data quality framework	Self service business intelligence	Kunalzaide15@gmail.com	Prof. Rupesh bhoir	Sql (data warehousing)	Business Intelligence	In Progress
2016450062	More Sachin Ashok	ShopHop Mobile Application	Nvidia Tesla supercomputing	Sachinm944@gmail.com	Prof. Taruna Sharma	Jquery, Apache Cordova, c#	Data analysis	In Progress
2015450024	Juned Kadri	Prediction data analysis	MINI (Multidimensional Integrated Neural Interface) published in "IJarit"	junedkadri28@gmail.com	Prof. Taruna Sharma	Machine learning, data science	Machine learning	In Progress
2015450039	Kamini Pawar	AI colorware chatbot AtYUW.com E-commerce website	colonwale ChatBot	pawarkamini28@gmail.com	Prof. Taruna Sharma	Laravel	Machine learning	In Progress
2015450060	Ritesh Tambe	Data Mining and Social Media Analysis	Indoor Positioning system	ritzt.tambe@gmail.com	Prof. Rupesh bhoir	Wordpress, PHP, mysql	Angular.js and My sql	In Progress
2013450026	Ganesh Kamble	Core Banking Solution RBI's	Smart home management	ganeshkamble696@gmail.com	Prof. Pallavi Thakur	java ,sql, Unix ,linux	Data Mining	In Progress
2012450005	Rashmi Butke			rashmi.butke@gmail.com	Prof. Pallavi Thakur	Angular.js and My sql	Banking and Finance	In Progress



2016450027	Mahajan Pratik Palendre	Sakina Shaikh
2016450059	Yadav Digvijay Prabhunath	Sakina Shaikh
2016450054	Shetty Rupesh Uday	Sakina Shaikh
2016450016	Gupta Kashyap Atul	Taruna Sharma
2016450038	Patil Naresh Sudhakar	Taruna Sharma
2016450028	Margaye Rajan Tukaram	Taruna Sharma
2016450032	Pakhure Sanjay Damodar	Taruna Sharma
2015450027	More Sachin	Taruna Sharma
2015450043	RaoRane NiraJ	Taruna Sharma
2016450024	Kolwankar Abhishek Anil	Rupesh Bhoir
2016450061	Zade Kunal Sudhir	Rupesh Bhoir
2016450050	Sawardekar Rohit Ravindra	Rupesh Bhoir
2016450022	Khot Akshay Shridhar	Rupesh Bhoir
2016450047	Sahare Samiksha Kishore	Rupesh Bhoir
2016450048	Sanghani Meet Alpa	Rupesh Bhoir

H.O.D: Dr. Pooja Raundale



FYMCA 2018 19 Mini Project Allocation

UCID	Name of the Student	Guide List
2017450015	SWAPNALI KAKADE	Prof. Pallavi Thakur
2018450001	NISHITA AISHWARYA	Prof. Harshil Kanakia
2018450002	ANSARI HAMMAD SHAHID ANWAR	Dr. Aarti Karande
2018450003	JAREKAR MAULIKA SURESH	Prof. Nikhita Mangaonkar
2018450004	BANDAGALE DIKSHA RAVINDRA	Prof. Harshil Kanakia
2018450005	BARVE RIYA SACHIN	Prof. Pallavi Thakur
2018450006	BHABAL DATTATRAYA VILAS	Prof. Pallavi Thakur
2018450007	BODKHE DEVENDRA DIGAMBAR	Prof. Pallavi Thakur
2018450008	CHAUGHULE SIDDHESH SHASHIKANT	Prof. Nikhita Mangaonkar
2018450009	CHAUHAN PREETI MUKESH	Dr. Pooja Raundale
2018450011	DATE ANURADHA SANDEEP	Prof. Sakina Salmani
2018450012	DESALE PURVESH MAHENDRA	Prof. Sakina Salmani
2018450013	DHUMAL PREETI PRAKASH	Prof. Sakina Salmani
2018450014	DUBEY AVINASH SHASHI KANT	Prof. Nikhita Mangaonkar
2018450015	FRANK ANTHONY	Prof. Sakina Salmani
2018450016	GARJE SATISH BALU	Prof. Pallavi Thakur
2018450017	GUPTA MRIDUL PRADEEP	Prof. Sakina Salmani
2018450018	HATKAR DIVYA AJIT	Dr. Aarti Karande
2018450019	HIRE PRATHAMESH ANANDA	Prof. Pallavi Thakur
2018450020	JADHAV KAJAL KIRAN	Prof. Pallavi Thakur
2018450021	JAIN RISHABH MAHENDRA KUMAR	Prof. Harshil Kanakia
2018450022	KADER BAZID ABDUL MOHIUDDIN	Prof. Nikhita Mangaonkar
2018450023	KALAMBE AKSHAY PRABHUDAS	Prof. Pallavi Thakur
2018450024	KAMBLE SAYALI CHANDRAKANT	Prof. Harshil Kanakia
2018450025	KAMBLE SWAPNIL BHAIRO	Dr. Aarti Karande
2018450026	KHATAL NILAM APPA	Prof. Nikhita Mangaonkar
2018450027	KULKARNI SARVESH GURUNATH	Prof. Sakina Salmani
2018450028	KUMAR SWAPNIL	Dr. Pooja Raundale
2018450029	MALIK ASMA ABDULLAH	Dr. Aarti Karande
2018450030	MAREDIA HADI SHAKIR	Dr. Pooja Raundale
2018450031	MHATRE AKASH PANDURANG	Prof. Sakina Salmani
2018450032	MORE SWAPNIL SANJAY	Prof. Harshil Kanakia
2018450033	MORWEKAR PRADNYOT NAGESH	Prof. Pallavi Thakur
2018450034	OJHA SUYASH SANTOSH	Dr. Aarti Karande
2018450035	OTHNIEL ALEXANDER	Prof. Pallavi Thakur
2018450036	PAI RAHUL SATYANATH	Prof. Nikhita Mangaonkar
2018450037	PATIL POOJA NILKANTH	Prof. Harshil Kanakia
2018450038	PAWAR PRATIK VISHNU	Dr. Aarti Karande
2018450039	PEDNEKAR HIMANSHU SAJJAN	Prof. Sakina Salmani
2018450040	RANE NEHA ASHOK	Prof. Harshil Kanakia
2018450041	RANE SHARDUL PRAMOD	Dr. Pooja Raundale
2018450044	SAWALE AKASH MINANATH	Dr. Pooja Raundale
2018450045	SHAH KUMAR NILESH	Prof. Harshil Kanakia
2018450046	SHAH SHAILIN NIKUL	Prof. Sakina Salmani
2018450047	SHAIKH MANTASHA ZAKIR	Dr. Aarti Karande

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2018450048	SHARMA AKSHAT YOGESH	Prof. Harshil Kanakia
2018450049	SHEKHAR HIMANSHU PURNENDU	Dr. Pooja Raundale
2018450050	SHELKE TANVI ANAND	Dr. Aarti Karande
2018450051	SINGH PRASHANT DEVENDER KUMAR	Prof. Harshil Kanakia
2018450052	TELPANDE ADITYA SUDHIR	Prof. Nikhita Mangaonkar
2018450053	TENDOLKAR SHAILESH VITTHAL	Prof. Nikhita Mangaonkar
2018450054	THOSAR CHETAN VASANT	Dr. Pooja Raundale
2018450055	TIWARI SHUBHAM PRADEEP	Dr. Aarti Karande
2018450056	VAISH ABHISHEK BANWARILAL	Prof. Nikhita Mangaonkar
2018450057	VIVEK VENKATESH	Prof. Nikhita Mangaonkar
2018450058	WADEKAR OMKAR RAVINDRA	Dr. Aarti Karande
2018450059	WALKE PRASHIKA AMRENDRA	Prof. Sakina Salmani
2018450060	YADAV CHAITANYA SANJAY	Prof. Pallavi Thakur
2018450061	YADAV SACHCHIDANAND	Prof. Sakina Salmani



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**BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
MUNSHI NAGAR, ANDHERI (W), MUMBAI-58
(An Autonomous Institute Affiliated to Mumbai University)**

ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT

List showing the names of the candidates appearing in the
End Semester Examination in the

Subject: ETP8I Category II: Major Project I

B.E. Electronics & Telecommunication Sem. VII Examination in the month of AUG/SEP 2021

Group No.: C1.4

Project Title: Detection of Mental Health Hazards using NLP

Project Guide: Dr. Reena Sonkusare

P1: Problem Definition/Idea/Originality/Novelty/Feasibility/Application in Society
P2: Presentation (Demo/Oral/Written)

P3: Work Done (Survey/Design/Simulation/experimentation/Tools Usage/Budget Plan/Execution Plan)
P4: Knowledge/Question-Answer

GA: Group Assessment , IA :Individual Assessment

S.N.	UCID No.	Name of Candidate	P1 (05) GA	P2 (05) IA	P3 (05) GA	P4 (05) IA	Total Marks (Max=20) (Passing=8)
1	2018120027	Mrityunjay Joshi	04	05	04	04	17
2	2018120009	Shubham Chavan	04	05	04	04	17
3	2018120006	Aayush Bagrecha	04	05	04	04	17

S.N.	Rating (1:Low, 2:Average, 3: High; NA: Not Applicable)	Overall Observation/Comment/Suggestion
1	Engineering Knowledge	3
2	Problem Analysis	2
3	Design and Development of Solution	2
4	Investigation of Complex Problem	2
5	Modern Tool Usage	2
6	Engineer and Society	2
7	Environment and Sustainability	2
8	Ethics	-
9	Individual Performance and Teamwork	3
10	Communication Skill (Oral and Written)	3
11	Project Management and Finance	2
12	Lifelong Learning Attitude	3
13	Troubleshooting Skill	3
14	Use of Open-Source Tools	3
15	Drafting Skill of Paper/Patent	2

Name and Signature of Expert: Dr. Mani Roja

Date: 30/08/2021

Name and Signature of Project Guide: Dr. Reena Sonkusare

Date: 30/08/2021

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Reena Sonkusare



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
 MUNSHI NAGAR, ANDHERI (W), MUMBAI-58
 (An Autonomous Institute Affiliated to Mumbai University)
ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT

List showing the names of the candidates appearing in the
 End Semester Examination in the

Subject: ETP81 Category I : Major Project I

B. E.Electronics & Telecommunication Sem. VII Examination in the month of AUG/SEP 2021

Group No.: C1.4

Project Title: Detection of Mental Health Hazards using NLP

Project Guide: Dr. Reena Sonkusare

P1: Problem Definition/Idea/Originality/Novelty/Feasibility/Application in Society

P2: Presentation (Demo/Oral/Written)

P3: Work Done (Survey/Design/Simulation/experimentation/Tools Usage/Budget Plan/Execution Plan)

P4: Knowledge/Question-Answer

Total Marks (Max Marks =20) (Passing Marks =8)

S.N.	UCID No.	Name of Candidate	Signature
1	2018120027	Mrityunjay Joshi	Present
2	2018120009	Shubham Chavhan	Present
3	2018120006	Aayush Bagrecha	Present

Self-Assessment by Students

S.N.	Rating (1:Low; 2:Average; 3: High; NA: Not Applicable)	Comment about resources provided by Institute for execution of project. Any assistance you need from department/institute to convert your project in commercialization of product or filing patent or submitting paper or for implementation in society.
1	Engineering Knowledge	3
2	Problem Analysis	2
3	Design and Development of Solution	2
4	Investigation of Complex Problem	2
5	Modern Tool Usage	2
6	Engineer and Society	2
7	Environment and Sustainability	-
8	Ethics	2
9	Individual Performance and Team Work	3
10	Communication Skill (Oral and Written)	3
11	Project Management and Finance	2
12	Life Long Learning Attitude	3
13	Troubleshooting Skill	3
14	Use of Open Source Tools	3
15	Drafting Skill of Paper/Patent	2

Name and Signature of Expert: Dr. Mani Roja

Date: 30/8/2021

Name and Signature of Project Guide: Dr. Reena Sonkusare

Date: 30/8/2021

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SARDAR PATEL INSTITUTE OF TECHNOLOGY
MUNSHI NAGAR, ANDHERI (W), MUMBAI-58

(An Autonomous Institute Affiliated to Mumbai University)

ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT

List showing the names of the candidates appearing in the

End Semester Examination in the

Subject: ETP81 Category I : Major Project I

B. E. Electronics & Telecommunication Sem. VII Examination in the month of AUG/SEP 2021

Group No.: C1.4

Project Title: Detection of Mental Health Hazards using NLP

Project Guide: Dr. Reena Sonkusare

SN	Rating (1: Low; 2: Average; 3: High; NA: Not Applicable)	Overall observation about performance of student
1	Engineering Knowledge	3
2	Problem Analysis	2
3	Design and Development of Solution	2
4	Investigation of Complex Problem	2
5	Modern Tool Usage	2
6	Engineer and Society	2
7	Environment and Sustainability	-
8	Ethics	2
9	Individual Performance and Teamwork	3
10	Communication Skill (Oral and Written)	3
11	Project Management and Finance	2
12	Lifelong Learning Attitude	3
13	Troubleshooting Skill	3
14	Use of Open-Source Tools	3
15	Drafting Skill of Paper/Patent	2

Good

1. Any assistance you need from department/institute to execute this project or convert this project in product or commercialization or patent or paper or for implementation in society.
2. Any assistance you need for improving resources or making collaborations with other institutes/industries/NGOs.
3. Any assistance you need for applying for funding for various agencies?

Name and Signature of Project Guide: Dr. Reena Sonkusare Date: 30/08/2021





Sardar Patel Institute of Technology, Andheri(w)

Bhavani's Campus, Manohar Nage, Andheri (West), Mumbai-400058
(An Autonomous Institute Affiliated to University of Mumbai)

Information Technology Department

Academic Year: 2022-23

2022-23
May/Project
Sample
Marksheet
(C1T)

Phase 2 Examination

Course: Main Project Stage-I (IT401)
BTech Information Technology

Semester: VII

Date: May 2022

Group No.: C2-3

Project Title: Exploring cloud system by leveraging Blockchain Technology
old project removed

Project Guide/Co-Guide: Prof. Rupali Sawant

- P1: Technical Competency (Understand project technicality Design exceeds project objectives)
- P2: Work done (100 % Implementation: Meets project objectives/cross analysis/test cases/solution shows originality)
- P3: Presentation (Coverage of topics/ use of graphics/Delivery & Speaking skills/Presentation length) and Ethics (Attitude/Deadline/Distribution of Work)
- P4: Report (in time)
- P5: Research paper (in time/Plagiarism report)

SN.	UCID No.	Name of Candidate	P1 (85)	P2 (88)	P3 (85)	P4 (85)	P5 (85)	Total Marks (Max=40) (Passing=16)
1	2019140212	Kavishree Sunde	3	17	5	6	5	35
2	2019140214	Amanesh Godbole	3	17	5	5	5	35
3	2019140215	Utsab Gondke	3	17	5	5	5	35

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Name and Signature of Guide/Co-guide/Expert: Prof. Rupali Sawant

Date:

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Sardar Patel Institute of Technology, Andheri(W)



Bhavan's Campus, Mumbai Nagar, Andheri (West), Mumbai - 400059
 (Autonomous Institute Affiliated to University of Mumbai)

Sanjeev Mukherjee

Information Technology Department

Academic Year: 2021-22

End Semester Examination - Students Attendance

Course: Major Project II (TPSI)-Category 2

B. Tech. IT

Sem. - VIII

Examination in the Month of May 2022

Group No.: C 2 1

Project Title: Real time volumetric rendering of 3D indoor scenes
 Prof.

Project Guide: Laxmika Panchal

P1: Problem Definition/Mba Originality/Novelty Feasibility/Application in Society

P2: Work Done (Literature Survey/Analysis/Design/Technology Stack/Execution Plan)

P3: Presentation (Oral/Written)

P4: Knowledge (Question-Answer)

P5: Ethics (Attitude/Deadline/Distribution of Work)

Total Marks (Max Marks = 20) (Passing Marks = 08)

S.N.	UCID No.	Name of Candidate	Signature
1	2018140018	KARAN GALA	
2	2018140021	RAVESH GANWANI	
3	2019140032	RUCHA KULKARNI	

**Rating (1: Low; 2: Average; 3: High; NA: Not Applicable)

Self-Assessment by Students

S.N.	Outcomes	Rating	Comment about resources provided by Institute for execution of project. Any assistance you need from department/institute to convert your project in commercialization of product or filing patent or submitting paper or for implementation in society.
1	Engineering Knowledge	3	Guides & co-guides were helpful, understanding & provided necessary feedback and support from time-to-time.
2	Problem Analysis	3	
3	Design and Development of Solution	3	
4	Investigation of Complex Problem	2	
5	Modern Tool Usage	2	
6	Engineer and Society	3	
7	Environment and Sustainability	3	
8	Ethics	3	
9	Individual Performance and Teamwork	3	
10	Communication Skill (Oral and Written)	3	
11	Project Management and Finance	2	
12	Lifelong Learning Attitude	3	
13	Potential as a Product/Application Software	3	
14	Research Orientation	3	
15	Knowledge of New Technologies Gained	3	



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See it's



Sardar Patel Institute of Technology, Andheri(W)

Bhavan's Campus, Mumhi Nagar, Andheri (West), Mumbai-400058
(Autonomous Institute Affiliated to University of Mumbai)

Information Technology Department

Academic Year: 2021-22

End Semester Examination - Project Guide

Course: Major Project II (ITP81)-Category 2

B. Tech. IT

Sem. - VIII

Examination in the Month of May 2022

Group No.: C 2.1

Project Title: Real time volumetric rendering of 2 D indoor scenes

**Rating (1: Low; 2: Average; 3: High; NA: Not Applicable)

S.N.	Outcomes	Rating	Overall Observation/Comment/Suggestion
1	Engineering Knowledge	03	
2	Problem Analysis	03	
3	Design and Development of Solution	03	
4	Investigation of Complex Problem	03	
5	Modern Tool Usage	03	
6	Engineer and Society	03	
7	Environment and Sustainability	03	
8	Ethics	03	
9	Individual Performance and Team Work	02	
10	Communication Skill (Oral and Written)	03	
11	Project Management and Finance	02	
12	Life Long Learning Attitude	03	
13	Potential as a Product/Application Software	03	
14	Research Orientation	03	
15	Knowledge of New Technologies Gained	03	Good work by students

Any assistance you need from department/institute to execute this project or convert this project in product or commercialization or patent or paper or for implementation in society?

Any assistance you need for improving resources or making collaborations with other institutes/industries/NGOs?

Any assistance you need for applying for funding for various agencies?

Name and Signature of Project Guide:

Date: 24/05/2022

Renuka Pawar
ffar.



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Final Project Report

Submitted in partial fulfillment of the requirement
for the award of the Degree of B.Tech Electronics Engineering

Project Title

Deep Reinforcement Learning based Intelligent Traffic
Management System

by

Arpan Nookala - 209110036
Eeshaan Asodekar - 2019110002
Aryan Solanki - 2019110057

under the supervision of

Dr. Narendra Bhagat
Dr. Deepak Karia



Department of Electronics Engineering
Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
(Autonomous Institute Affiliated to University of Mumbai)
Munshi Nagar, Andheri-West, Mumbai-400058

University of Mumbai

May 2023



Eshaudhai

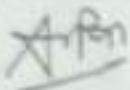


Declaration By Candidate

I wish to state that the work mentioned in this report titled Deep Reinforcement Learning based Intelligent Traffic Management System was carried out under the guidance of Prof. Narendra Bhagat and Prof. Deepak Karia at Sardar Patel Institute of Technology. I declare that this written submission represents my ideas in my own words and where others ideas or words have been included, I have adequately cited and referenced the original sources. I have not duplicated or provided erroneous results at any point in this report and I declare that I have adhered to all the principles of academic honesty and integrity while carrying out this project.

Name of the Candidates

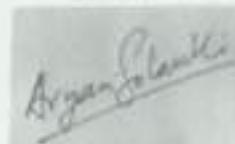
Arpan Nookala
Candidate Signature



Eeshaan Asodekar
Candidate Signature



Aryan Solanki
Candidate Signature



Eshandhai

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Certificate

This is to certify that the "Final Year Project Report" submitted by Arpan Nookait, Eeshaan Asodekar, and Aryan Solanki is work done under the supervision of Dr. Narendra Bhagat and Dr. Deepak Karia and submitted during the 2022 academic year, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in Electronics Engineering from University of Mumbai.

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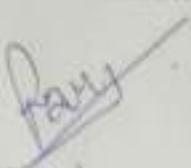


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Project Approval Certificate

This is to certify that the Project entitled Deep Reinforcement Learning based Intelligent Traffic Management System by Mr. Arpan Nookala , Mr. Eeshan Asodekar and Mr. Aryan Solanki is approved for the award of Degree of Bachelor of Engineering in Electronics Engineering from University of Mumbai.

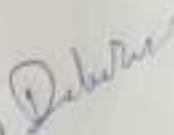
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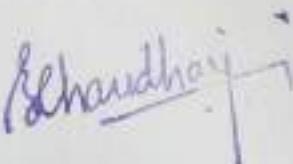
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Abstract

The development of Intelligent Traffic Signal Control (ITSC) systems is crucial for enhancing traffic flow and mitigating congestion, which is a widespread problem in urban areas globally. Presently, RADAR or inductive loop-based intelligent systems are used in developed countries, but the large investment and infrastructure requirements rule out their widespread application in developing nations like India. This paper explores a fledgling Deep Reinforcement Learning (DRL) approach as against a classical optimization or rule-based past approaches to the Traffic Signal Control (TSC) problem. To address the challenges that hamstring past RL approaches, the study leverages the Deep Deterministic Policy Gradient (DDPG) algorithm to optimize traffic light control policies. The proposed DRL approach shows intelligent behavior and reduces the average delay time and congestion when compared to the traditional RL, past DRL, and fixed time signal approaches respectively. A comparative cost-performance analysis of the DRL algorithms and the reward functions is also presented, which reveals elusive insights into the application of DRL algorithms to ITMS. We culminate this work by proposing a real-world DRL ITMS system using cost-effective hardware and minimal infrastructure, which is currently under development.



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S. Chaudhari



Chapter 1

Introduction

Increasing traffic jams, delays, and erratic travel times, especially in metropolitan cities are the results of an explosion in the global automobile population. These phenomena especially hurt developing nations like India, costing millions of dollars worth of fuel waste.

Currently, to ensure the best possible flow of traffic, traffic engineers construct signal designs and manually adjust the appropriate settings for various traffic scenarios. However, it can be challenging to manually develop signal plans for a variety of traffic conditions, particularly when there are traffic irregularities like accidents, road construction, and traffic barriers. These legacy systems are hamstrung as they aim to manage traffic flow using predetermined timed traffic signals, which in essence is trying to solve a dynamic problem using a static approach without consideration of real-world limitations and suboptimality.

By dynamically modifying the signal timing plan in accordance with current traffic circumstances, intelligent traffic signal control (ITSC) [18] was put forth as an effective method to optimize traffic flow across junctions. Several early ITSC studies have focused on actuated traffic signal control (TSC) systems at intersections [6, 15, 11]. After the system is installed, the signal controllers use the real-time traffic data obtained to match traffic patterns with predefined rules and responsively manage the signals [19]. However, they do not take into account the long-term traffic patterns leading to suboptimal results. Besides, they are not capable of handling exceptional scenarios since they are not capable of responding to novel scenarios.

Intelligent approaches [9, 16, 20, 10] to the traffic control problem have been proposed to subdue the limitations of legacy systems and traditional mathematical modeling approaches. The goal of our research is to make traffic control adaptive by providing the system the capability to decide on a variable signal time based on instantaneous traffic flow, without the need for hard coding or human intervention.

In recent years, approaches based on artificial intelligence (AI) techniques have received research interest as a way to increase the effectiveness of TSC. Artificial intelligence algorithms that use reinforcement learning (RL) have gained scientific attention and are being used more frequently to solve the TSC optimization problem [5, 8, 17]. RL's ability to learn on its own, not being at the mercy of large and reliable supervised learning datasets and online adaptive learning makes it a potent method for solving the TSC problem.

The application of RL techniques to the TSC optimization problem is significantly facilitated by a number of recent technical developments. Due to the recent



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advancements in mobile communication technologies, signal controllers now have access to a wider range of traffic features, including vehicle speed, position, fuel consumption, emissions, etc. Availability of these features combined with higher computing power greatly improve RL TSC systems' abilities to learn the traffic environment and identify the optimal solutions for given traffic conditions, in a shorter time span.

Deep Reinforcement Learning (DRL) is an emerging domain within Machine Learning. It combines the function approximation strength of Deep Learning (DL) with the Reinforcement Learning (RL) paradigm's ability to represent and model real-world optimal decision problems. Notable breakthroughs that DRL algorithms have achieved include a superhuman competency in strategy games such as Go [13, 14] and Dota 2 [12], in both cases defeating world champions. This ability to deal with real-world decision phenomena which are inherently embedded with suboptimality has been applied to finance [2], robotics, and even to autonomous driving systems.

The main attributes of DRL which make it a promising candidate for applying to the TSC optimization problem are as follows. First, adaptation to real-time traffic conditions is possible for DRL agents, even if they deviate from the norm due to some unexpected disturbances. Second, DRL can be applied as a model-free approach that has lower complexity and computational requirements. Lastly, DRL is not limited by the curse of dimensionality as traditional RL is. Moreover, DRL has the ability to deal with continuous state spaces, which are most real-life optimization problems, including optimal TSC.

The contributions of the work are threefold. First, we use the DQN (Deep Q-Network) algorithm to build single and multiple-agent adaptive traffic control systems, to prove the merit of applying DRL to this complex optimization problem over currently used FST (Fixed Signal Time) approaches. Second, experiments are conducted on the proposed Deep Deterministic Policy Gradient (DDPG) approach, and the results are juxtaposed alongside the computationally simpler DQN algorithm, and performance versus computational cost analysis is presented. The proposed and baseline approaches are tested on a single intersection, double intersection, and a grid of intersections and prove that the DRL paradigm is a promising solution to the vexing problem of TSC for optimal traffic flow. Third, we also explore the local optimization versus the global optimization question by testing a multi-agent reinforcement learning setup on a grid of intersections. Additionally, we also present the effect of choosing a modified reward function on the performance of the DRL TSC systems.

The remainder of this report is organized as follows. Following the literature survey in Chapter 2, and project objectives in Chapter 3, Chapter 5 describes the model, the environment setting, the problem statement, and the DQN and DDPG algorithms used for single, double, and grid intersection traffic control. In Chapter 6, we present the results obtained from the simulation experiments of the proposed DDPG algorithm alongside the baseline DQN approach and the round-robin FST technique which is currently deployed in TSCs. Since significant hardware limitations are bound to be encountered in the field, a lucid analysis of the computational cost and performance difference between the various approaches is also presented. Chapter 6 gives the concluding remarks and proposes a hardware system for the implementation of the proposed DRL TSC system.



Chapter 2

Literature Survey

This chapter reviews the past intelligent approaches that have been used by researchers to tackle the TSC optimal traffic flow problem.

Information derived from computational perception and cognition that is ambiguous, imprecise, unclear, partially true, or without clear limits can be handled using fuzzy logic. In computational challenges, fuzzy logic enables the integration of hazy human judgments.

The fuzzy Logic approach has the ability to deal with and derive a decision from imprecise, ambiguous, and unclear data, given a set of fuzzy rules, making it an attractive approach for traffic signal control (TSC). One of the earliest applications of fuzzy logic in TSC was the development of a fuzzy traffic signal controller (FTSC) was by S. Chin [4]. The FTSC used fuzzy logic to control the signal timings based on real-time traffic conditions, improving the overall traffic flow and reducing congestion compared to traditional TSC methods. Following this numerous studies developed a fuzzy logic-based TSC system that used real-time traffic data to dynamically adjust the signal timings, improving traffic flow and reducing congestion. However, fuzzy logic-based TSC systems have limitations. One of the main limitations is the need for fuzzy logic-based TSC systems to be designed by experts with extensive traffic engineering knowledge and TSC. This dependence on expert knowledge can lead to subjective bias and inconsistencies in the decision-making process. Secondly, Fuzzy logic systems are based on a predefined set of rules. Moreover, they are not suitable for controlling large-scale traffic signal control systems, given their need for significant processing power and memory.

Genetic Algorithms (GAs) are a form of evolutionary computation wherein the approach improves with each generation. The application of GAs to TSC involves formulating the problem as a search for optimal signal timings, where the objective function is defined in terms of various traffic performance parameters, such as average delay, average travel time, etc. Several studies have investigated the use of GAs for TSC. In a study by Ceylan et. al. [3], a GA-based approach was proposed for optimizing the signal timings which significantly reduced the average delay and travel time compared to the traditional fixed-time control method. Further studies extended this approach to a grid of intersections and a grid of intersections. Despite its performance, the GA approach to TSC also has significant deficiencies. First, defining a fitness function that accurately represents the optimization objectives is a challenging task. Secondly, as GA is a stochastic optimization method, which means that the performance is influenced by the initial population of candidate solutions.



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Also, its ability to scale is limited due to the increase in computational complexity with the increase in the size of the implementation.

Dynamic Programming (DP) is a mathematical optimization technique that has been applied to various fields, including Traffic Signal Control (TSC). DP has been used to optimize the timing of traffic signals, considering the traffic flow, waiting time, and other factors. More recent research by Li et. al. [7] using adaptive dynamic programming outperformed traditional methods and previous approaches in terms of reducing total waiting time and improving traffic efficiency. However, computational complexity is one of the main limitations of applying DP in TSC. DP algorithms typically require solving high-dimensional and complex optimization problems, which can result in significant computational overhead and slow convergence times. This becomes especially problematic when DP is applied to large-scale TSC networks. Another limitation of DP in TSC is its sensitivity to model assumptions. In real-world TSC scenarios, traffic patterns are often complex and difficult to model accurately. As a result, DP algorithms may produce suboptimal solutions if the underlying models are not accurate.

Reinforcement learning is a subset of machine learning that allows an agent to learn by repeated interactions with the system, learning to make optimal decisions. In TSC, RL has been used to optimize traffic signal timing, considering the traffic flow, waiting time, and other factors. Arel et. al. [1] explore the use of Reinforcement Learning (RL) for Traffic Signal Control (TSC) in a network of intersections. The authors use a multi-agent system to manage the signal timings at each intersection in the network. They implement a Q-Learning algorithm, a type of RL algorithm, to learn the optimal signal timings in real-time based on the traffic conditions. A reduction in the average waiting time for vehicles, decrease in the number of stops, and an overall improvement in the traffic flow, over the traditional approaches, was shown by the results. The authors also consider the limitations of the proposed system. They point out that the RL algorithm used in the system assumes a stationary traffic environment and may not perform well in dynamic scenarios. The system also requires high computational power and large amounts of data to function effectively. Furthermore, the models are prone to slow convergence and punishingly large state spaces. The DRL approach subdues these critical limitations.



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Chapter 3

Project Objectives

3.1 Problem Statement

Ever-increasing traffic flow leads to traffic congestions and jams, giving rise to increase in the cost of transportation as well as affecting the routine lives of people. Unfortunately, till this day road traffic is controlled by a dated traffic signal system despite its patent inefficiencies. These traditional traffic signals have many problems including inefficient time management in road intersections, not being able to adapt dynamically, being susceptible to some environmental aberrations like rain, and they have no means of giving priority to emergency vehicles.

Traffic management systems today are under pressure to evolve and become agile, more connected, more efficient, and more optimized, which is the challenge we aim to surmount.

3.2 Objectives

1. Implementation of a deep reinforcement learning-based intelligent traffic management system
2. Using the most effective and promising DRL algorithms
3. Using real-time data to train the agents
4. To outperform the currently used FST legacy systems and the research literature's DQN approaches
5. To work toward designing a computationally simpler cutting ITMS system that is cost-effective, and can be implemented in Indian metro cities like Mumbai



A handwritten signature in blue ink that appears to read "Dr. Anandhai".

Chapter 4

Methods

The following section details the formulation of the deep reinforcement learning paradigm applied to traffic signal control at a single, double, and grid of intersections. It also gives a distilled description of the three DRL algorithms used in this work.

4.1 Environment Setting

We have formulated a model for the TSC optimization problem that mirrors the essential features that orchestrate the traffic flow mechanics at an intersection. The methods and results of the discrete-time formulation that we have used for lucid description can be extended to continuous time operation by MDP techniques. Thus all analyses performed and insights extracted in this work apply to complex approaches using computer vision techniques, and real-time implementation.

4.1.1 Single Intersection

Considering a framework with two unidirectional traffic flows at an intersection, as shown in Fig 4.1. This framework is formulated in the Reinforcement Learning framework as follows:

- State $S(t) = (A_1(t), A_2(t), Z(t))$
An information vector which encapsulates the number of vehicles from traffic flow direction d , who want to cross over, denoted by $A_d(t)$, and $Z(t)$ which indicates the current status of the traffic signal
- Signal States $Z(t) \in \{0, 1, 2, 3\}$ All signals have four states as described by the table 4.1

Table 4.1: Traffic Signal States

State	Direction 1 Signal State	Direction 2 Signal State
0	red	green
1	red	yellow
2	green	red
3	yellow	red

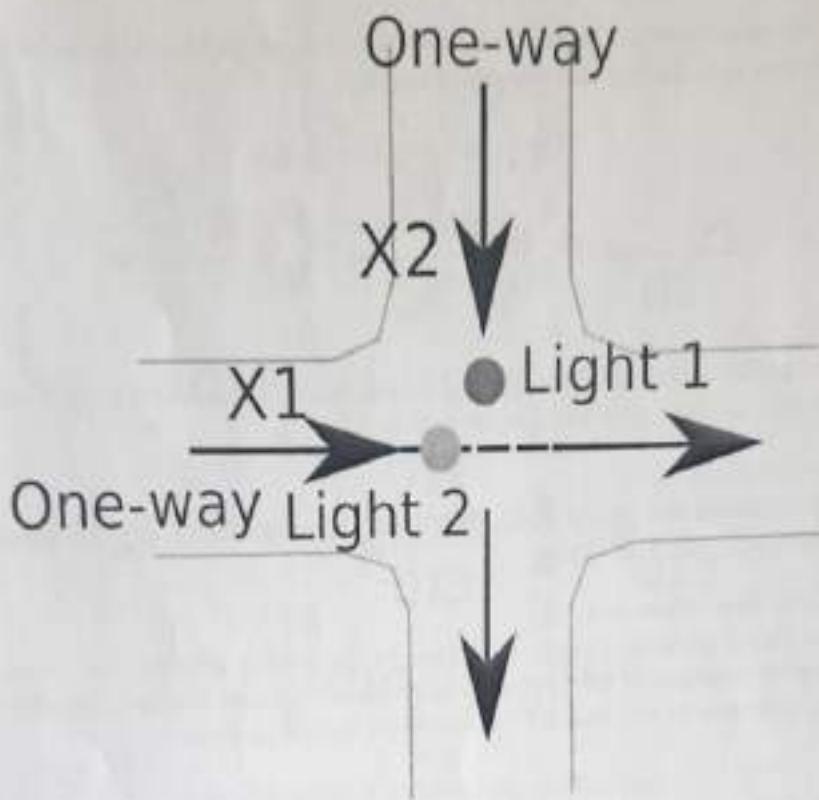


Figure 4.1: Single Intersection configuration

- Action $a(t)$

At time step t_i , the signal configuration can either be the same as the previous time step t_{i-1} , or be switched to the next configuration as schematically represented in Fig 4.2. This binary decision is made by the action $a(t_{i-1})$ as chosen by the agent, which then updates the signal configuration for the next time step.

$$Z(t_i) = (Z(t_{i-1}) + a(t_{i-1})) \bmod 4 \quad (4.1)$$

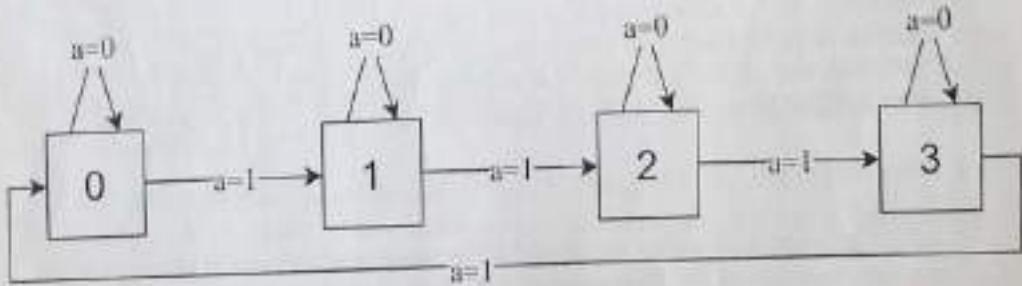


Figure 4.2: Signal phase flow mechanism

- Reward r

The reward signal is defined to be a function of the vehicles waiting, $A_i(t)$, and is designed with the intention to reduce the number of vehicles at the intersection, in order of reducing delay and aggregate waiting time. We

experimented with the following reward functions and found r_1 to be the most effective in reducing the pile-up of traffic.

$$r_1 = -(A_1(t) + A_2(t)) \quad (4.2)$$

$$r_2 = -((A_1(t))^2 + (A_2(t))^2) \quad (4.3)$$

$$r_3 = -(\sqrt{A_1(t) + A_2(t)}) \quad (4.4)$$

- Policy $\pi(s)$

The traffic signal control policy at a state s , is the probability distribution of the actions the agent can choose to take in s .

- Q-value $Q_\pi(s, a(t))$

By following the policy π , $Q_\pi(s, a(t))$ is the expected reward for taking an action $a(t)$, while in state s .

- Traffic flow mechanism

The signal configurations as controlled by the actions of the agent give rise to a cyclic iteration of the configurations. The inflow and outflow of traffic from one timestep to the next i.e. the state can update as follows:

$$(A_1(t_{i+1}), A_2(t_{i+1})) = (A_1(t_{i+1}) + I_1(t) - O_1(t), A_2(t_{i+1}) + I_2(t) - O_2(t)) \quad (4.5)$$

Where $I_i(t)$ and $O_i(t)$ denote the vehicle count incoming and outgoing from the road i of the intersection, respectively.

This framework 4.1.1 can be easily extended to a framework with two intersections, and a series of contiguous intersections.

4.1.2 Grid of Intersections

We consider a two-dimensional $N_1 \times N_2$ array of contiguous bidirectional intersections to increase the complexity of the system and to test the scalability of the DRL algorithms to larger setups that mimic real-world scenarios. This setup's formulation is extrapolated from the single intersection configuration as seen in Fig 4.1, with each intersection denoted by (i, j) , where $(i, j) \in \{(1, 1), \dots, (N_1, N_2)\}$

- State $S(t) = (A_{(i,j)1}(t), A_{(i,j)2}(t), A_{(i,j)3}(t), A_{(i,j)4}(t), Z_{(i,j)}(t))$

An information vector that encapsulates the number of vehicles of traffic flowing into and out of the intersection (i, j) from directions 1 – 4 and $Z_{(i,j)}(t)$ which indicates its current state of the traffic signal at the $(i, j)^{\text{th}}$ intersection.

- Signal Configurations $Z_{(i,j)}(t) \in \{0, 1, 2, 3\}$

The signal configurations remain the same with the exception that they are extended to all the (i, j) signal intersections.



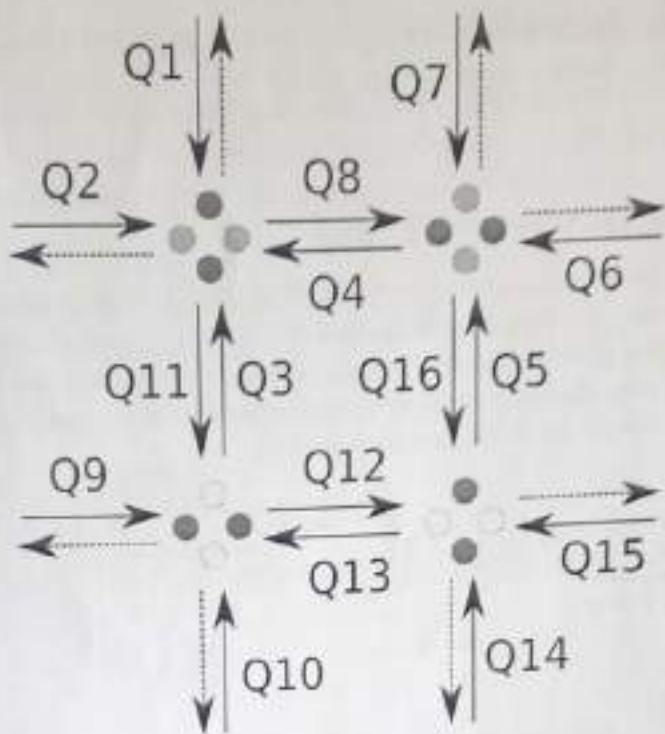


Figure 4.3: Grid of Intersections configuration

- Action $a(t)$

At any given time step t_i , the signal configuration can either be the same as the previous time step t_{i-1} , or be switched to the next configuration, for each of the (i, j) intersections.

$$Z_{(i,j)}(t_i) = (Z_{(i,j)}(t_{i-1}) + a_{(i,j)}(t_{i-1})) \mod 4 \quad (4.6)$$

Where $a_{(i,j)}(t_{i-1})$ denotes the action chosen for intersection (i, j) at time step $i - 1$.

- Reward r

The reward signal is also an extension of the single intersection configuration, with the only difference being that the cumulative sum is given to the agent when we have a single agent controlling all the intersections. In the case of a multi-agent setup, with one agent for each intersection, each agent is given its individual $r_{(i,j)}$.

- Traffic flow mechanism

For each intersection, the inflow and outflow of traffic from one timestep to the next follows the equation:

$$A_{(i,j)d}(t_{i+1}) = A_{(i,j)d}(t_{i+1}) + I_{(i,j)d}(t) - O_{(i,j)d}(t) \quad (4.7)$$

Where $d \in \{1, 2, 3, 4\}$ denotes the specific road of intersection (i, j) from where the new car is incoming.

Note that this traffic flow mechanism exponentially increases the complexity of the optimization problem, due to the fact that at any given point a car exiting from one intersection is arriving at the next intersection, until it reaches the edge of the grid, when it exits the system.



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4.2 DRL Algorithms

This section elucidates the two DRL algorithms implemented to solve the traffic signal control problem.

4.2.1 Deep Q-Network (DQN)

The fixed Q-target function underlies the DQN algorithm. The architecture is made up of the Q network, the target network, and the experience replay block. In essence, the current state is given as input to a deep neural network that then estimates the Q values. After this, the loss is computed by comparing the estimated Q values with the right-hand side of the Bellman equation (4.8).

$$\text{New } Q(s, a) = Q(s, a) + \alpha \underbrace{[R(s, a) + \gamma \max_{a'} Q'(s', a')]}_{\text{Reward}} - \underbrace{Q(s, a)}_{\text{Discount rate}} \quad (4.8)$$

$$\text{Loss} = (r + \gamma \max_{a'} Q(s', a', \theta') - Q(s, a, \theta)) \quad (4.9)$$

This loss equation (4.9) is then used to update the weights of the network using stochastic gradient descent and backpropagation.

4.2.2 Deep Deterministic Policy Gradient (DDPG)

It is an algorithm designed to solve continuous control problems, who's core idea of DDPG is to maintain two neural networks: the actor-network that learns the policy function and the critic network that learns the value function. The actor-network produces an action given a state, and the critic network evaluates the quality of the action given the state.

The actor-network is trained by maximizing the expected return of the policy. The critic network is trained using the temporal difference (TD) error, which is the difference between the predicted value and the actual value obtained from the environment. The TD error is used to update the critic network parameters using the following Bellman equation:

$$Q(s, a) \leftarrow Q(s, a) + \alpha(r + \gamma V(s') - Q(s, a)) \quad (4.10)$$

where r is the reward obtained from the environment, γ is the discount factor, $V(s')$ is the value of the next state, and $Q(s, a)$ is the estimated value of the current state-action pair.

The actor-network is updated using the policy gradient theorem, which is derived from the deterministic policy gradient algorithm. The gradient of the expected return with respect to the actor-network parameters is computed using the chain rule.

$$\nabla_{\theta^a} J \approx \mathbb{E}_{s_t \sim P^{\theta^a}, a_t \sim \mu} [\nabla_{\theta^a} \mu(s_t | \theta^a) \nabla_a Q(s_t, a | \theta^Q)]_{\theta^Q = \mu(s_t)} \quad (4.11)$$

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where $Q(s, \alpha)$ is the estimated value of the current state-action pair obtained from the critic network, and $\mu(s|\theta^{\mu})$ is the policy function obtained from the actor-network.

The DDPG algorithm has been shown to be effective in solving a wide range of continuous control tasks, such as robotic manipulation, locomotion, and navigation.



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Chapter 5

Results

In this section, we showcase the results obtained and a comparative analysis of the two algorithms used viz. DQN and DDPG, with the FST used as a baseline. In particular, researchers would find the cost-benefit analysis of using a more computationally intense algorithm DDPG, as compared to DQN, and the corresponding difference in performance, as the intersection configurations are varied. We have also analyzed the variation in the performance of the models with modifications to the reward function, given by equations (4.2), (4.3), and (4.4).

5.1 Single and Double Intersection Performance

Table 5.1: Single and Double Intersection

Model	Single Intersection		Double Intersection	
	FST	DQN	FST	DQN
Average Reward	-43.44	-1.89	-63.097	-23.716
Average queue length	3.539	0.577	3.48875	2.5
Average waiting time	3.073	0.897	6.9775	5.114

Table 5.1 compares the average delay time and the average queue length achieved by the FST-30 at single and double intersections. The FST-30 has been specifically chosen as a benchmark as an increase or decrease in the signal period from the 30-second mark significantly degraded the performance. The DQN agent reduces the average queue length by 83.6% and the average waiting time by 67% respectively for the single intersection. For the double intersection, a corresponding improvement of 28.3% and 26% was seen. This is proof enough to indicate that there is a significant drop in the waiting time because of the DRL agent, as compared to the legacy FST approach, because unlike the latter, the former accounts for real-time traffic density and can dynamically adapt. Thereby proving the utility of DRL-based ITMS systems over baseline FST.

5.2 Grid of intersections

With the real-time implementation in mind, we choose to experiment in a grid of intersection format which not only increases the randomness of the system but also



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Table 5.2: Grid of Intersections Performance Model

Grid Size		DQN	DDPG	DQN multi agent
1x1	Average queue length	5.1016	4.0033	4.9483
	Average waiting time	20.406	16.0133	19.793
2x2	Average queue length	2.9679	2.275	2.9254
	Average waiting time	11.8716	9.1	11.7016
3x3	Average queue length	4.2672	3.9166	4.086
	Average waiting time	17.0688	15.666	16.3451
4x4	Average queue length	4.73	4.44	4.684
	Average waiting time	18.95	17.76	18.739

exponentially adds to the complexity that the model has to digest. From table 5.2 a 21.52%, 23.34%, 8.21%, and 6.31% reduction in the delay by the proposed DDPG agent, as compared to the simpler DQN agent [8], is observed for the respective grid sizes. We also experimented with a DQN approach wherein each intersection of the grid was an individual agent, specifically optimizing that intersection. It can be observed from the given table that an improvement in the range of 2% to 5% of reduction in the delay time, for the per intersection agent DQN model compared to the vanilla DQN approach.

However it is important to note that because of the limited computational power available, we were only able to train the agents on grid intersection for a certain number of time steps. Thus, the gradual reduction and plateauing of the performance of the DDPG agent compared to the DQN agent with the increase in the size of the grid can be attributed to this factor.

5.3 Reward function analysis

Table 5.3: Effect of reward function

Power of reward function	0.5	1	1.5	2	2.5
Average waiting time	8.1466	7.833	7.953	6.553	8.4066

A brief excursion toward finding the optimal reward function led to us studying the variation in the performance of the DRL models when the power of the reward function (4.2) is changed. Results shown in table 5.3 are obtained by varying the reward term power on a 2x2 grid DDPG agent model and the significant variation in the average waiting time show that it can materially affect the performance of the model, thereby requiring further investigation.



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Chapter 6

Conclusion and Future Scope of Work

6.1 Conclusion

This work explores the application of the Deep Deterministic Policy Gradient (DDPG) and Deep-Q-Network (DQN) to optimize traffic flow over a single, double, and grid of intersections of different sizes. To prove the promise of the application of DRL algorithms to intelligent traffic management systems, we establish the superiority of the DQN agent of the Fixed Signal Time (FST) method which is still in use in a majority of developing nations. This superiority in performance is owed to the ability of DRL algorithms to respond dynamically to nuanced situations and being trained on real-time data.

Subsequently we explored the application of the proposed DDPG algorithm outperformed the vanilla DQN approach and the individual agent for each intersection DQN approach. The experimental findings show promise for the application of DRL algorithms to the domain of intelligent traffic management systems.

6.2 Future Work- Proposed Culminating system

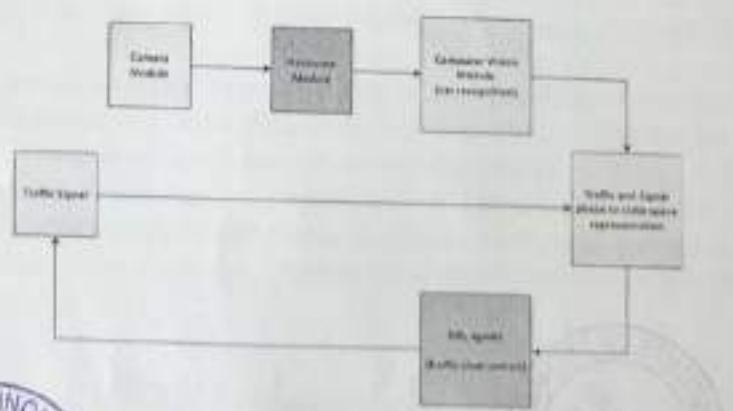


Figure 6.1: Culminating Hardware System



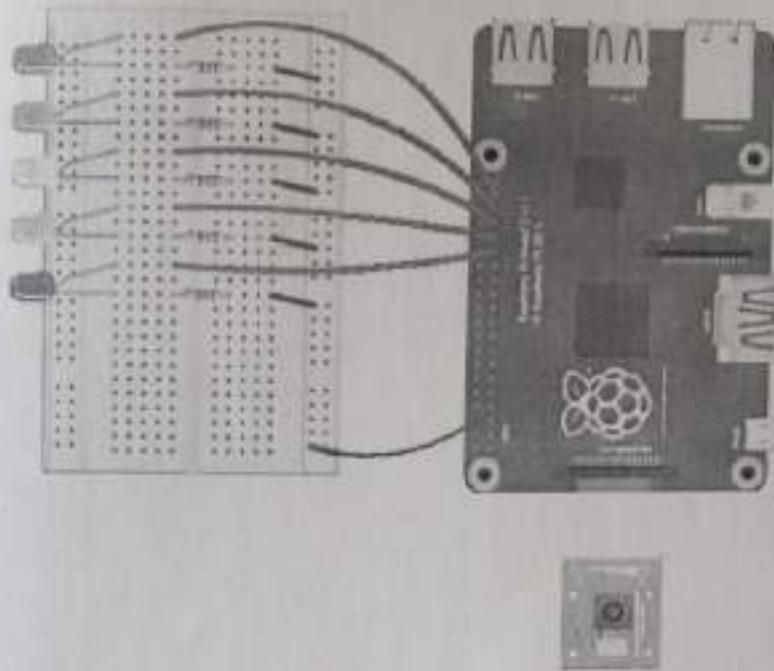


Figure 6.2: Hardware module

We propose the following culminating proposed system as seen in fig 6.1. A camera module will continuously send pictures of the road intersection to the hardware module fig.6.2 where they are processed using computer vision. The number of cars in each branch of the intersection is sent to the DRL agents in the correct state-space representation. The DRL agents then take this state space as input and decide the next signal phase. This action is then transferred to the traffic signal module.



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Bibliography

- [1] Itamar Arel, Cong Liu, Tom Urbanik, and Airton G Kohls. Reinforcement learning-based multi-agent system for network traffic signal control. *IET Intelligent Transport Systems*, 4(2):128–135, 2010.
- [2] Eeshaan Asodekar, Arpan Nookala, Sayali Ayre, and Anant V. Nitkar. Deep reinforcement learning for automated stock trading: Inclusion of short selling. In Michelangelo Ceci, Sergio Flesca, Elio Masciari, Giuseppe Manco, and Zbigniew W. Raś, editors, *Foundations of Intelligent Systems*, pages 187–197, Cham, 2022. Springer International Publishing.
- [3] Halim Ceylan and Michael G-H Bell. Traffic signal timing optimisation based on genetic algorithm approach, including drivers' routing. *Transportation Research Part B: Methodological*, 38(4):329–342, 2004.
- [4] S. Chiu. Adaptive traffic signal control using fuzzy logic. In *Proceedings of the Intelligent Vehicles '92 Symposium*, pages 98–107, 1992.
- [5] Samah El-Tantawy, Baher Abdulhai, and Hossain Abdeigawad. Multiagent reinforcement learning for integrated network of adaptive traffic signal controllers (marlin-atsc): Methodology and large-scale application on downtown toronto. *IEEE Transactions on Intelligent Transportation Systems*, 14(3):1140–1150, 2013.
- [6] P B Hunt, D. I. Robertson, R. D. Bretherton, and R. I. Winton. Scoot-a traffic responsive method of coordinating signals. 1981.
- [7] Tao Li, Dongbin Zhao, and Jianqiang Yi. Adaptive dynamic programming for multi-intersections traffic signal intelligent control. In *2008 11th International IEEE Conference on Intelligent Transportation Systems*, pages 286–291, 2008.
- [8] Weirong Liu, Gaorong Qin, Yun He, and Fei Jiang. Distributed cooperative reinforcement learning-based traffic signal control that integrates v2x networks' dynamic clustering. *IEEE Transactions on Vehicular Technology*, 66(10):8667–8681, 2017.
- [9] Yisheng Lv, Yanjie Duan, Wenwen Kong, Zhengxi Li, and Fei-Yue Wang. Traffic flow prediction with big data: A deep learning approach. *IEEE Transactions on Intelligent Transportation Systems*, 16(2):865–873, 2015.
- [10] Patrick Mannion, Jeff Erigen, and Enda Howley. *An Experimental Review of Reinforcement Learning Algorithms for Adaptive Traffic Signal Control*, pages 47–66. Springer International Publishing, Cham, 2016.

- [11] P. Mirchandani and Fei-Yue Wang. Rhodes to intelligent transportation systems. *IEEE Intelligent Systems*, 20(1):10–15, 2005.
- [12] OpenAI. Christopher Berner, Greg Brockman, Brooke Chen, Vicki Cheung, Przemyslaw Debink, Christy Dennison, David Farhi, Quirin Fischer, Shariq Hashmi, Chris Hesse, Rafal Józefowicz, Scott Gray, Catherine Olsson, Jakub Pachocki, Michael Petrov, Heinrique Pondé de Oliveira Pinto, Jonathan Raiman, Tim Salimans, Jeremy Schlatter, Jonas Schneider, Szymon Sidor, Ilya Sutskever, Jie Tang, Filip Wolski, and Susan Zhang. Dota 2 with large scale deep reinforcement learning. 2019.
- [13] David Silver, Aja Huang, Chris J. Maddison, Arthur Guez, Laurent Sifre, George van den Driessche, Julian Schrittwieser, Ioannis Antonoglou, Veda Panneershelvam, Marc Lanctot, Sander Dieleman, Dominik Grewe, John Nham, Nal Kalchbrenner, Ilya Sutskever, Timothy Lillicrap, Madeleine Leach, Koray Kavukcuoglu, Thore Graepel, and Demis Hassabis. Mastering the game of go with deep neural networks and tree search. *Nature*, 529(7587):484–489, Jan 2016.
- [14] David Silver, Thomas Hubert, Julian Schrittwieser, Ioannis Antonoglou, Matthew Lai, Arthur Guez, Marc Lanctot, Laurent Sifre, Dharshan Kumaran, Thore Graepel, Timothy P. Lillicrap, Karen Simonyan, and Demis Hassabis. Mastering chess and shogi by self-play with a general reinforcement learning algorithm. *CoRR*, abs/1712.01815, 2017.
- [15] A G Sims and K W Dobinson. The sydney coordinated adaptive traffic (scat) system philosophy and benefits. *IEEE Transactions on Vehicular Technology*, 29:130–137, 1980.
- [16] Rajeshwari Sundar, Santhosh Hebbar, and Varaprasad Golla. Implementing intelligent traffic control system for congestion control, ambulance clearance, and stolen vehicle detection. *IEEE Sensors Journal*, 15(2):1109–1113, 2015.
- [17] Hua Wei, Nan Xu, Huichu Zhang, Guanjie Zheng, Xunshi Zang, Chacha Chen, Weinan Zhang, Yamin Zhu, Kai Xu, and Zhenmin Li. Colight: Learning network-level cooperation for traffic signal control. In *Proceedings of the 28th ACM International Conference on Information and Knowledge Management*, CIKM ’19, page 1913–1922, New York, NY, USA, 2019. Association for Computing Machinery.
- [18] Maram Bani Younes and Azzedine Boukerche. An efficient dynamic traffic light scheduling algorithm considering emergency vehicles for intelligent transportation systems. *Wirel. Netw.*, 24(7):2451–2463, oct 2018.
- [19] Maram Bani Younes and Azzedine F. M. Bonkerche. Intelligent traffic light controlling algorithms using vehicular networks. *IEEE Transactions on Vehicular Technology*, 65:5887–5899, 2016.
- [20] Ming Zhu, Xiao-Yang Lin, and Xinodong Wang. Joint transportation and charging scheduling in vehicle–vehicle systems—a game theoretic approach. *IEEE Transactions on Intelligent Transportation Systems*, 19(8):2407–2419, 2018.