



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

**Research and Development Committee**

**Project Exhibition 2019**

Group No	Name of the Students	Project Title
1	Sharvika Raut	Implementation of power management scheduling algorithm on heterogeneous multicore SoC
	Shubham Poyekar	
	Anirudh Sharma	
2	Kamlesh Badgajar	Implementation of Adaptive RF System using Software Defined Radio
	Nachiket Chiplunkar	
	Atharva Deshpande	
3	Rohin Razdan	Violence detection using real time image processing
	Aditya Sridhar	
	Pawanjeet Singh	
4	Ruman Kazi	Morphius: Self-reconfiguring modular robot that navigates through cracks and debris for inspection of inaccessible areas
	Ameya Nambisan	
	Simran Tiwari	
5	Akash Mahale	Generating a Decentralised Architecture for Data Privacy & Sharing using Blockchain Technology
	Anirvin Vishwanathan	
	Kanishka Kothari	
6	Umair Modak	Detection of Botnet and Ddos using a fast processing framework
	Eshaan Mudgal	
	Subhiksha Mukuntharaj	
7	Saish Raut	Authentication of transactions in Record Management using Hyper Ledger Platform
	Himani Mukne	
	Prathamesh Pai	
8	Abhinav Verma	Generation, encoding and detection of discrete information states in optical frequencies using acousto-optical modulation of modulated RF signals.
	Rishi Vedula	
	Vignesh Viswanathan	
9	Brinda Sarkar	Advanced Driver Assistance System
	Shivani Shekhar	
	Ankit Sawant	
10	Hrohaan Malhotra	Predictive Maintenance and Monitoring of Automobiles and Detection of Driving Patterns.
	Rohit Murali	
	Shraddha Wani	

11	Mohit Kapoor	Image Captioning System using Deep Learning
	Varun Kamble	
	Krishnaditya Kancharla	
12	Swapnil Masurekar	Video/Image generation from text using Deep learning
	Hrishikesh Shedekar	
	Roshankumar Sah	
13	Gaurav Gaikwad	Phase detection and its Behavioural Analysis for Efficient cache Modelling
	Nischint Jagdale	
	Omkar Waje	
14	Ankita Bhusari	Myoelectric Signal Driven Prosthetic Arm using Machine learning
	Neha Gupta	
	Tanya Kambli	
15	Girija Deshmukh	Emotion Recognition, Attribute Analysis of Audio Signals using Machine learning
	Apurva Gaonkar	
	Gauri Golwalkar	
16	Harshita Mondkar	Smart Healthcare Data Acquisition System
	Tanvi Ghole	
	Shruti Karande	
17	Dharini Mehta	Solar Powered Self cleaning Toilets
	Divit Karmiani	
	Aastha Shah	
18	Vedanta Pawar	Deep Learning approach to Video Compression using Convolutional Neural Networks
	Vinay Vishwakarma	
	Alan Jacob	
19	Ankita Patil	Heart attack detection and prevention
	Nilesh Jadhav	
20	Varsha shingade	Auto-Fertilisation and Irrigation Based on soil nutrient value
	Rasica telgote	
	Shweta shinde	
21	Aniket wagh	Smart Bag with Embedded Cellphone Receiver and Seamless Smartphone Connectivity
	Neel Surti	
	Ameya Vatkar	
22	Vineetkumar Sharma	Emotion Recognition using Microexpressions
	Dharni Shah	
	Saloni Shah	
23	Saba mokashi	High-Temperature Measurement and Control System
	kumar amlendu	
	Shruti chougule	
24	Onkar Patil	Crop and Soil based Programmable farming system

	Karan Navale	
	Aniket Karande	
25	Samruddha Gupte	Maximum Power Point Tracking using Photovoltaic Solar System
	Akshay Jangam	
	Ashish Ghormare	

Prof. Rajkumar Waghmode  
R & D Coordinatore  
EXTC