Department of Electronics

Academic Year 2018-19 (ODD Semester)

FACULTY CONTRIBUTION

Orientation Program

Sr. No.	Conducted By	Course description	Organized by	Date	Number of days
1	Mr. Abhay Kshirsagar	Microcontroller and Application	Datta Maghe College of Engg, Airoli	13/07/2018	1
2	Dr. Rajani Mangala	Digital Communication	KJSIT, Sion	16/07/2018	1

Workshop/Courses Conducted by Faculty

Sr. No.	Conducted By	Course description	Organized by	Date	Number of days
1	Mr. P. Birajdar	Biometrics for Cyber Security-Financial and Matrimonial frauds	Conference organized by Bombay Chamber and Department of Cyber Maharashtra police	24/08/2018	1
2	Mr. Abhay Kshirsagar	Wireless Body Area Network	Praxis organised by VESIT	26/09/2018	1
3	Mr. Abhay Kshirsagar	VLSI Stick Diagram and Layouts and SOI	PVP COE.	09/10/2018	1

Courses Attended by Faculty

Sr. No.	Attended By	Course description	Organized by	Date	Number of days
1	Dr. Rajani Mangla	"Deep Learning and Artificial Intelligence	Department of Computer, Information Technology and Master of Computer Application,	02/07/2018	6
2	Dr. Parmeshwar Birajdar				6
3	Mr. Abhijit Shete				6

4	Mr. Yogesh Pandit		VESIT		6
5	Mr. Abhay Kshirsagar	'BIOLOGY FOR ENGINEERS'.	Department of Instrumentation, VESIT	02/07/2018	5
6	Mrs. Sarika Kuhikar				5
7	Mrs. Rakhi Jadhav				5
8	Mrs. Amrita Jhaveri				5
9	Mrs. Dipti Karani				5
10	Mrs. Anushree Prabhu				5
11	Mrs. Sarika Kuhikar	Probability and Statistics for Scientist and Engineers	Department of Computer , TEC	18/06/2018	14
12	Mrs. Dipti Karani	Open Data Science and IOT	VIT	25/06/2018	5
13	Dr. Parmeshwar Birajdar				
14	Mr. Abhijit Shete				
15	Mrs. Rakhi Jadhav				

NPTEL Certifications

Sr. No.	Name of the Faculty	NPTEL Course Description	Organized by	Period	Score
1	Mr. Abhishek Chaudhari	Robotics	IIT Kharagpur	8 Weeks	75
2	Mrs. Dipti Karani	Computational Electromagnetics & Applications	IIT Madras	12 Weeks	Ongoing
3	Mrs. Amrita	Fundamentals of Electrical	IIT Kharagpur	12 Weeks	Ongoing

	Jhaveri	Engineering			
4	Mr. Abhishek Chaudhari	Introduction to IOT	IIT Khargapur	12 Weeks	Ongoing

Research Forum Activities

Sr. No.	Date	Name of the Expert	Designation & Organisation	Topic	Attended By
1	21/08/2018	Mr .Sambhaji Kadam	Director, Sai Vision Innovative Tech Mumbai	Energy Conservation, Scenario and Security	Mrs. Kavita Tewari Mrs. Naveeta Kant Dr. Rajani Mangala Mr. Abhay Kshirsagar Dr. Asawari Dudwadkar Dr. Parmeshwar Birajdar Mr. Abhijit Shete Mrs. Jaymala Adsul Mr. Yogesh Pandit Mrs. Sarika Kuhikar Mrs. Dipti Karani Mrs. Amrita Jhaveri Mr. Abhishek Chaudhari Mrs. Rakhi Jadhav Mrs. Anushree Prabhu Mr. Joshua Michael Mr. Chetan Mishra Mrs. Sheena Gupta Mr. Vivek Nair
2	01/08/2018	Mr Sharad Gandhi	Founder, ASIAUS Systems	Technology Trends – a perspective	Mrs. Kavita Tewari Mrs. Naveeta Kant Dr. Rajani Mangala Mr. Abhay Kshirsagar Mrs. Jaymala Adsul Mr. Yogesh Pandit Mrs. Sarika Kuhikar

3	13/07/2018	Mr. Vaibhav Kumar	Scientific Officer, Computer division, E & I group, BARC	Super-computing	Mrs. Kavita Tewari Mrs. Naveeta Kant Dr. Asawari Dudwadkar Mrs. Jaymala Adsul Mrs. Dipti Karani Mrs. Amrita Jhaveri Mr. Abhishek Chaudhari
4	24/07/2018	Dr. R Vijayraghavan	TIFR, Mumbai	Quantum Computing	Mrs. Rakhi Jadhav Mrs. Anushree Prabhu
5	04/10/2018	Mrs Dhanamma Jagli	Assistant Professor, MCA Department , VESIT	Machine Learning using R	Dr. Parmeshwar Birajdar Mr. Chetan Mishra Mrs. Sheena Gupta Mr. Vivek Nair
6	12/09/2018	Dr. Machhindranath Patil	Associate Professor, Instrumentation Department, VESIT	High Performance Super-twisting Control for State Delay Systems	Mrs. Anushree Prabhu

Minor Research Grant Proposals

	Name of Faculty	Title of Project	Domain	Sanctioned Amount
1	Abhishek Chaudhari	Robotic Vision based Surface Texture Detection	Robotics and Computer Vision	Applied
2	Abhay Kshirsagar	Design of Semi Autonomous Robot for Cleaning Rooftop Solar Panel	Embedded System and Robotics	Applied
3	Mr. Yogesh Pandit	Hand Gesture based control of wheel chair for physically disabled people using Accelerometer	Embedded System and Robotics	Applied
4	Mrs. Sarika Kuhikar	Design and fabrication of multilevel inverter using control technique	Power electronics	Applied

Other Achievements

- Dr. Parmeshwar Birajdar has successfully completed his PhD entitled " New Approaches using Wavelets and Filter Banks for Bio-Metric Applications", from IIT Bombay. He submitted his thesis in April 2018 and Convocation held on August 2018.
- Dr. Parmeshwar Birajdar had given talk on the topic " Biometrics for Cyber Security- Financial and Matrimonial frauds" at the conference organized by Bombay Chamber and Department of Cyber Maharashtra police on August 24,2018.
- Mr. Abhay Kshirsagar had given talk on the topic "Wireless Body Area Network" during Praxis organised by VESIT on 26th Sept 2018 at 11.00 am
- Mr Abhay Kshirsagar had given a talk on the topic "VLSI Stick Diagram and Layouts and SOI" on 9 th Oct 2018 at PVP COE.

Alumni Interaction

Mr. Vedant Rathi interacted with students of third year and final year on 12th Oct 2018 for discussing industry scenario and projects.

Dr. Parmeshwar Birajdar had given talk on the topic Biometrics for Cyber Security-Financial and Matrimonial frauds at the conference organized by Bombay Chamber and Department of Cyber Maharashtra police

STUDENT ACHIEVEMENTS

Higher studies details for 2017-18

Sr. No.	Name	Name of the University	COURSE
1	Murtaza Baj	University of Texas Arlington	MS in Electrical Engineering
2	Clive Aaron D'souza	Cornell University	MS in Electrical And Computer Engineering
3	Achyut Dave	University of Colorado Boulder	MS in Electrical And Computer Engineering
4	Siddharth C	NIT Rourkela	M.Tech. in Communication Network
5	Isha Swant	University of Colorado Boulder	Embedded Systems Engineering & IOT Firmware
6	Shivani Vidre	Uppsala University , Sweden	MS in Industrial Management And Innovation
7	Sankalp Khandkar	Technical University of Munich	MS in Communication Engineering
8	Aayush Nair	Northeastern University Graduate School of Engineering	MS in Electrical management Engineering
9	Chaitanya Bhure	University of North Carolina Charlotte	MS in Electrical Engineering
10	Mihir Joshi	University of Texas, Dallas	MS in Computer Engineering
11	Aditya Gogwekar	Georgia Institute of Technology	MS in Electrical And Computer Engineering
12	Falguni Pawar	SPIT, Andheri, Mumbai University	M.Tech in EXTC

Student Participation

Workshops / Seminars

STM-32 BASED ARM DEVELOPMENT BOARD

Tinkerer's Lab, VESIT conducted their first training session in the first half of the academic year 2018-19 on STM-32 based ARM development board from 27th August 2018 to 30th August 2018. 33 groups registered for training session on STM-32 based ARM development board. The training session consisted of Batch A and Batch B with 16 groups & 17 groups respectively. The participants were provided take-away kits which included all the necessary components which were to be taught during the 3 day training session.

Organizers: The members of Tinkerer's Lab VESIT, ETRX department which included students from T.E. ETRX and B.E ETRX conducted this training session under the guidance of Prof. Abhay Kshirsagar (ETRX) and Prof. Abhishek Chaudhari (ETRX).

Participants: Students from ETRX, EXTC and CMPN department participated in the training session in teams with each team consisting of maximum 4 members. 63 students from SE Electronics, 24 students from SE EXTC, 15 students from SE Computer department, 3 students from SE IT department, 19 students from TE Electronics, 4 students from TE EXTC, 1 student from TE IT department and 4 students from BE EXTC were among the participants.

Industry Interaction

Industrial Visit

Industry Visit - Company Name	Industry Visit - Location/Venue	Industry Visit - Start Date	Industry Visit - Duration	Industry Visit - Description
Regional Meteorological Centre, Mumbai	Colaba, Mumbai	06/08/2018	1 Day	Different sensors and its requirement is explained the department staff.

Project Innovations

A group of students exhibited a project in Automation Expo 2018 held at Goregaon Mumbai on 29th August to 31st August 2018. They also adjudged winner in the student's section.
Title of the Project: " IOT Based 2-D Plotter"

Students Name: Abhigya Upadhyaya, Omkar Tulaskar, Varad Tole, Harish Yadav

Skill Development Activities

Skill Enhancement Lectures (SEL)

Sr.no.	CLASS & SUB	SEL TITLE	FACULTY	RESOURCE PERSON	DATE
1	D11 A & B Electromagnetic Engineering	Electromagnetic Radiation and Antennas	Mrs. Kavita Tewari Mrs. Dipti Karani	Dr. S. V. Kulkarni Professor, Department of Electrical Engineering, IIT Bombay.	22/09/2018
2	D6 A & B Electronics Device and Circuits-I	Solar Cell and Application	Mrs. Dipti Karani	Mr. Vedant Rathi	22/10/2018

NPTEL
11 Students has taken online NPTEL Course and Intershala training on "Introduction to Machine Learning and Programming data structure and algorithm using python and IOT"

Co-curricular Activities

Intra College Activities

Sr. No.	NAME OF STUDENT	Co-curricular - Name of the Event	Co-curricular - Event Detail	Co-curricular - Event Date	Co-curricular - Event Duration (Days / Weeks)	Co-curricular - Event Venue	Co-curricular - Event Organized By(PRAXIS,IEEE ,CSI ETC)
1	Hitesh Jetwani	college internship	IOT internship-RFId readfer	01/06/2018	50 days	VESIT	College
2	Sankalp Joshi	college internship	IOT internship-RFId readfer	01/06/2018	50 days	VESIT	College
3	Komal Lokhande	college internship	IOT internship-RFId readfer	01/06/2018	50 days	VESIT	College
4	Prathamesh Khandekar	Training program	IoT and Python programming	12/06/18	3 days	VESIT	ATS learning solutions
5	Anurag Malwee	Training program	IoT and Python programming	12/06/18	3 days	VESIT	ATS learning solutions
6	Mayur Thikare	Training course	Doordarshan Kendra, Worli	25/05/2018	1 week	Doordarshan Kendra, Worli	Doordarshan Kendra
7	Rushali Patil	Training course	Doordarshan Kendra, Worli	25/05/2018	1 week	Doordarshan Kendra, Worli	Doordarshan Kendra
8	Rashika Raina	Training course	Doordarshan Kendra, Worli	25/5/2018	1 week	Doordarshan Kendra Worli	Doordarshan Kendra
9	Anandlakshmi Kumar	Math and Logic	Praxis	27 September 2018		VESIT	ISTE
10	Aditya Shahane	Math and Logic	Praxis	27 September 2018		VESIT	ISTE

Professional Society Activities

ISA Event 2018-19

Sr. No.	Name of Event	Date	No. of Student Participated	Type
1	Automation IN IT	26th & 27th Sept	5	Competition
2	Crack The Code	26th & 27th Sept	8 4 (Winners)	Competition

IEEE Event 2018-19

Sr. No.	Name of Event	Date	No. of Student Participated	Type
1	Case Closed	26th & 27th Sept	8	Competition
2	Film It	26th & 27th Sept	8	Workshop
3	Road Show	26th & 27th Sept	8 3 (1st Prize)	Competition

ISTE Event 2018-19

Sr. No.	Name of Event	Date	Type
1	Math and Logic	26th & 27th Sept	Competition

CSI Event 2018-19

Sr. No.	Name of Event	Date	Type
1	Code Knights	26th & 27th Sept	Coding Event
2	Amazing Race	26th & 27th Sept	Fun Event

Extra-curricular activities

Sr. No	NAME OF STUDENT	EXTRA-curricular - Name of the Event	EXTRA-curricular - Event Detail	EXTRA-curricular - Event Date	EXTRA-curricular - Event Venue	Co-curricular - Event Organized By(UTSAV,SPURTI etc.)	AWARD
1	Heman Parashar	Futsal	Indoor Sphurthi	September-October 2018	VESIT	Sphurthi	Winner
2	Soham Sapkal	Futsal	Indoor Sphurthi	September-October 2018	VESIT	SPHUrthi	Winner
3	Prathamesh Shukla	Futsal	Indoor Sphurthi	September-October 2018	VESIT	SPHUrthi	Winner
4	Soham Sapkal	Football Event	Reliance Cup	28th September 2018	Reliance Technopark	Reliance	Participation
5	Prathamesh Shukla	Football Event	Reliance Cup	28th September 2018	Reliance Technopark	Reliance	Participation
6	Siddhant Nashte	Football Event	Reliance Cup	28th September 2018	Reliance Technopark	Reliance	Participation

Skill Enhancement Lecture by Mr. Vedant Rathi

Students of Electronics Department showcased IOT based 2D Plotter at Automation Expo 2018

Mr. Abhigya Upadhyaya, Omkar Tulaskar, Varad Tole, Harish Yadav won trophy at Automation Expo 2018 held at Mumbai on 29th August to 31st August 2018