

**VIVEKANAND EDUCATION SOCIETY'S INSTITUTE
OF TECHNOLOGY**

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**



Departmental Report

(From 1st January 2017 to 31st March 2017)
ACADEMIC YEAR 2016-2017(Even Semester)

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Activity Report JAN-MAR-17

The staff activities for the EXTC department are as follows:

□ **Staff Visit**

1. The department of Electronics & Telecommunication Engineering, VESIT organized a Staff visit to the POLICE COMMISSIONERATE OFFICE, Navi Mumbai, Belapur, on 5th January 2017. Mr. Vinod Kamble (Police Constable, Kharghar) guided the team during the visit.



Mr. Pradip Kannalu, ASP (Technical Dept.) with VESIT staff at the Advance CCTV Setup at CBD Belapur Railway Station

2. The department of Electronics & Telecommunication Engineering along with Instrumentation Engineering Department, VESIT organized a Staff visit to the Rashtriya Chemical Fertilizers Ltd. (RCF), Trombay, on 9th January 2017. The Staff visit to the Rashtriya Chemical Fertilizers Ltd. (RCF), Trombay was helpful in understanding the importance of solar panels for energy generation. Such setups must be encouraged as a substitute to our traditional power generation resources. We can encourage such setups in our college premises



□ Faculty Development Program:

- FDP was conducted on 10th January, 2017 on the topic " TRENDING TECHNOLOGIES IN INDUSTRIES " by Mr. Narendra Kale, Mr. Suraj Pardeshi, Mr. Rahul Deshpande, from Capgemini.



- Prof. A. Nagananda (TPO) delivered a Talk on "How to write technical paper" on 21st Jan. 2017 in CA3 under VESIT Research Forum.



□ Participation

Dr. (Mrs.) Ranjan Bala Jain worked as Session Chair and Paper review: in International Conference ICETCC-2016 held at Saraswati College of Engineering, Kharghar, Navi Mumbai on 12th Jan. 2017

□ Workshops Attended:

Dr. Ranjan Bala Jain attended a one day workshop on Assessment, Attainment and Evaluation of POs, PSOs and COs. in MSBTE sponsored FDTP "Outcome Based Education-Innovative Teaching learning Process, Assessment and Evaluation" T VES Polytechnic Mumbai on 3rd January 2017.

The student activities for the EXTC department are as follows:

□ Skill Enhancement Lectures:

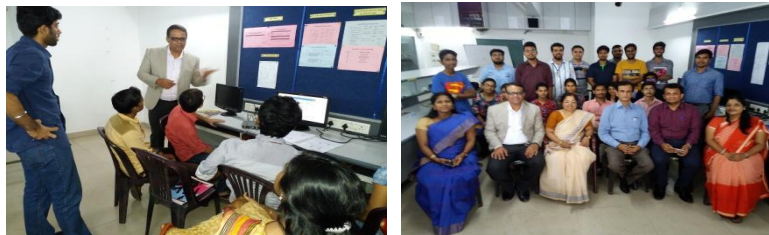
1. SEL of Wireless Networks for all batches D19A, D19B and D19C of topic 'DCS Wireless Technology and Certification" by Mr. Sudhanshu Ojha from D-Link Academy on 07th Feb. 2017.



2. SEL for SE EXTC students on Topic Adaptive Control & Neuro - Fuzzy Adaptive Control was conducted on 11/03/2017 by Mr. Vivek M. Koshti from Jacob's Engineering India Ltd.
3. SEL of Mobile communications for all batches D19A, D19B and D19C of topic 'Radiation hazards and remedies' by Mr Vikas singh from NESAs on 20th August 2016.
4. Skill Enhancement Lecture (SEL) on "Antenna Design and Testing using Vector Network Analyzer (VNA)" was conducted by Mr. Marwin Coutinho, from Rohde-Schwarz on 18th October 2016 in the auditorium for TE EXTC Students.

□ VESIT-DLink Campus Connect Programme

The D-Link Specialist Level program was conducted from 20th March till 24th March by Mr. Nilesh Vartak from the D-Link Academy in Lab no. 406, Department of Electronics and Telecommunication, V.E.S. Institute of Technology. The program was aimed to give a detailed study of wireless networks and networking devices. The program mainly involved the "Study of Wireless networks".

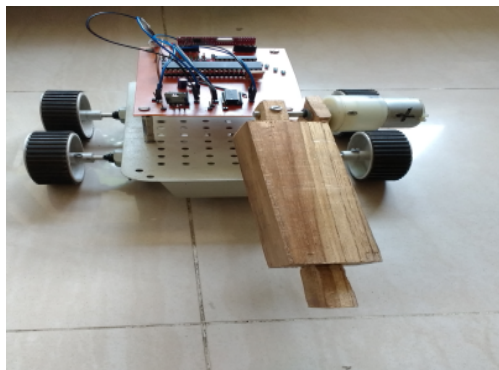


□ Achievements:

1. Our students Mr. Kiran Parte, Piyush, Ajit, and Kedar from D14 EXTC and Nishit from D7 CMPN received second prize and Award at National Level Project competition at SAINTGITS College of Engineering, Kottayam Kerala. on 14th Feb 2017. Their project idea was on Semo-Autonomous River Cleaning Robot.



2. Akshay Therani (D19 B), Vinita Shetty (D19 B), Vaibhavi Vichare (D19 B), Yogita Wadhwa (D19 A) won third position in 8th Indian Youth Science Congress Poster Presentation for their topic on "NEXT GENERATION PCB FAULT DETECTION AND RECTIFICATION"
3. Harsh Bhatia - D19C, Priyank Bhatt - D19C, Zarana Matani - D19C, Yash Nasarpuri - D19C secured the consolation prize(third position) at the National Level Project competition event - INNOVATIONS'17 for their Final Year Project titled - "Voice Controlled Human Assistant - HuBot"



□ **Industrial Visit:**

EXTC Dept. B.E and ME students along with five faculties visited Bharat Sanchar Nigam Ltd., Satellite Earth Station, Yeoor, Thane as a part of Industrial visit on 2nd march 2017.



□ **Department Placement cell Activity**

The placement cell GRIN (GET Ready for Industries) of the department of EXTC has conducted various activities in the Academic year 2015-16 for the students (batch 2013- 2017) to prepare for the placement process. These activities include Mock Aptitude Tests (MAT), various sessions on Campus Placement: A winning Strategies, Share it Sessions, Finishing Schools and IT for Telecommunication.

As a result, 128 students have got offer from various companies like Accenture, L&T IT, CapGemini, L&T core, NSEIT and CMSIT etc. The company wise placement details are as follows:

Accenture: 68
CapGemini: 32
L&T IT : 4
NSEIT: 2
L&Tcore: 18
CMSIT: 2

□ **Research grant**

1. Dr. Ramesh Kulkarni got an approval of Research grant by the University of Mumbai for the project titled "Internet of Things based Energy saving System".
2. Dr. C.D.Rawat got an approval of Research grant by the University of Mumbai for the project titled "Speaking Gloves".
3. Dr. (Mrs.) Ranjan Bala Jain got an approval of Research grant by the University of Mumbai for the project titled "Video Streaming with Multipath TCP and Enhanced Security"

4. Dr. (Mrs.) Saylee Gharge got an approval of Research grant by the University of Mumbai for the project titled "Detection of unusual activity in video using unsupervised detection algorithm".

5. Mrs. Rasika Naik got an approval of Research grant by the University of Mumbai for the project titled "Automatic Detection & Notification of Potholes and Humps on roads to aid drivers".

6. Mrs. Manisha Joshi got an approval of Research grant by the University of Mumbai for the project titled "Automatic Herbicides, Pesticides Sprayer Agricultural Robot".

7. Mrs. Jyoti Dawkhar Bagate got an approval of Research grant by the University of Mumbai for the project titled "Portable Heart Attack Detector in early stage".

□ TECHNOLOGY DAY REPORT

20th MARCH, 2017

On the Occasion of Technology Day (20TH March 2017); Project exhibition was organized in Lab no. 402,403,407 and 409. Shortlisted 23 projects of final year students, 1 project from Avishkar Project Exhibition and shortlisted 7 mini projects of third year students were displayed in the exhibition. We deliberately involved third year students for project exhibition, so that they will get good exposure and enhance their technical ideas.

Senior Professors from the Department selected three winners from each category(i.e. Application based & research based) from projects of Final year and two winners from mini projects of third year.



Project Exhibition Winners:-

Category 1: Application Based:-

First Prize

Speaking Glove



Nikhil Raghani

Manali Mukkanavar

Satish Talreja

Harihar Punjabi

Second Prize

Zigbee based car safety system



Ramnathan Choodamani

Vivek Khitani

Hans Luthria

Jaikishan Poptani

Third Prize

Real Time Dynamic Signature Verification



Karishma Bhatia

Kriti Anant

Shweta Sarangale

Category 2: Research Based

First Prize

Super Resolution in Medical images



Sukalp Kamdi

Dhiren Khatri, Chirag Bohra

Second Prize

Intelligent control of Electrical Devices



Ketan Vaidya

Shubham Koyande, Manish Khilnani

Third Prize

12 minute health walker



Shiwesh Hiranandani

Mini Project Exhibition Winners:-

First Prize

Automated stove



TanmayJagtap

KadambariKaskar

SairajKshirsagar

SejalLimbekar

Second Prize

Train crowd managing System



PankajShelar

DivyeshTambe

Pratik Walase

Abhishek Basalge

Project Titled “Smart Farming Using IoT” won 1st Prize in the **LBS competition (2015-2016)**. It combines agriculture and IoT(Internet of Things). The project was guided by Dr. Nadir Charniya & Mr. Mrugendra Vasamatkar.

Group Members:

1. Hariharr C Punjabi
2. Sanket Agarwal
3. Venkatesh Muddaliar
4. Vivek Khithani
5. Jaikishan Poptani



EXTC Department Advisory Board Committee meeting was held on 12/04/2017



DAB Committee meet on 12/04/2017 in 404