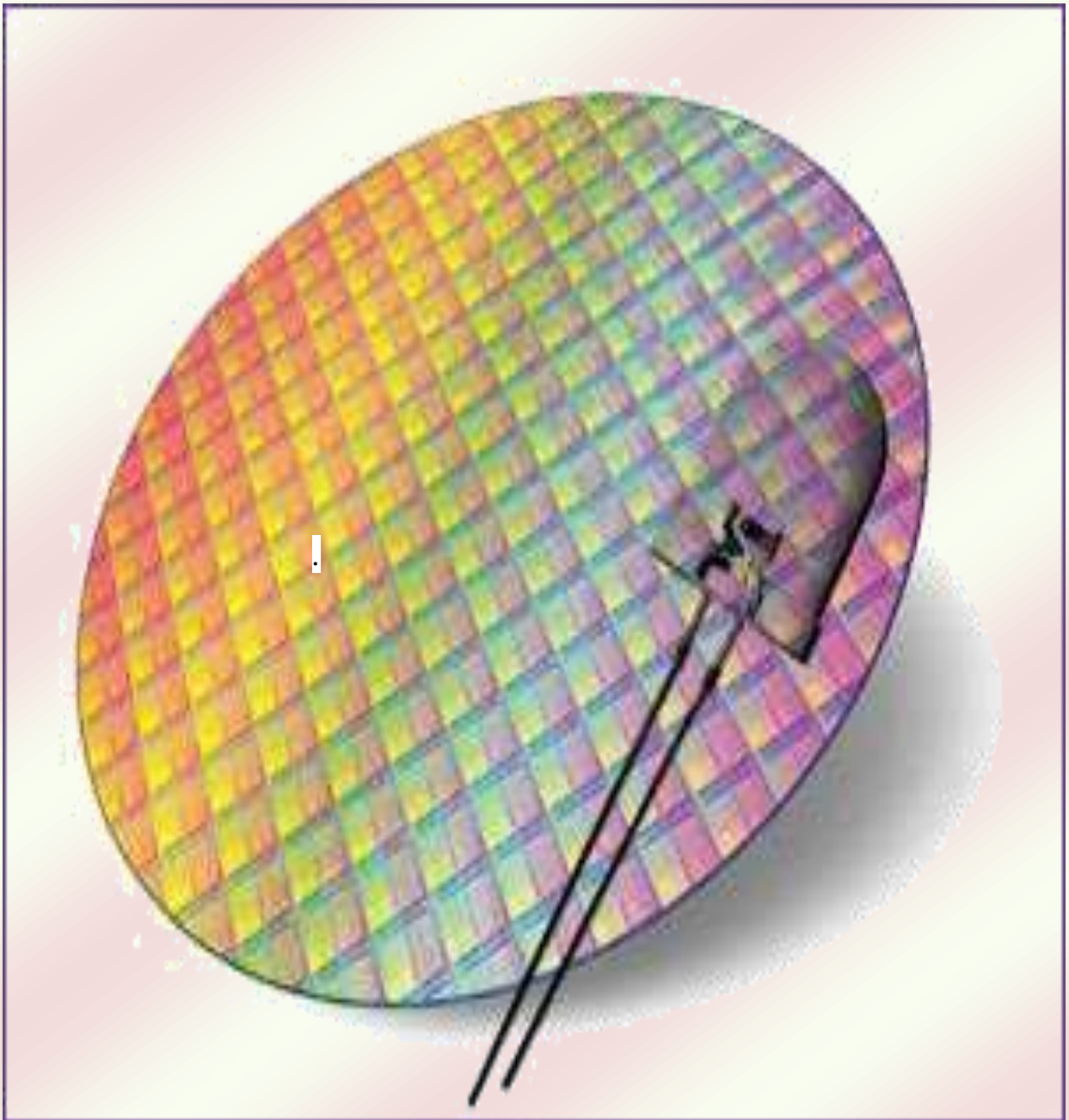




SILICON TODAY

The secret of getting ahead is getting started

April, 2018



Purity, patience, and perseverance are the three essential keys to success.

“SILICON TODAY”



“My message, especially to young people is to have the courage to think differently, courage to invent, to travel the unexplored path, courage to discover the impossible and to conquer the problems and succeed. These are great qualities that they must work towards.”

“Be active! Take on responsibility! Work for the things you believe in. If you do not, you are surrendering your fate to others.”

- Dr. A.P.J. Abdul Kalam

It gives me immense pleasure to lead the Department of Electronics Engineering. Our Department strives to provide students with the quality education to help them face the challenges of today’s competitive world. We encourage students to take up projects in the various domains of Electronics Engineering so that they gain practical knowledge too. I wish them, all the success for their exam! Good luck!

Mrs. Kavita Tewari
HOD
ETRX Department

Vision & Mission



Vision

To equip our students with the latest technology and implement their ideas to important and relevant to the region and development of nation. Conduct research in selected areas of excellence within traditional disciplines technologically.

Mission

The department is committed to produce technocrats ready to handle the state-of-art technologies in the field of electronics engineering.

Editorial team

Mrs. Sonali Kalbande (Asst. Professor)

Mr. Joshua Michael (Asst. Professor)

Arise! Awake! And stop not until the goal is reached.



Department Activities

➤ Industrial visit

1. Second and Third year ETRX Students visited the Voltas Plant as a part of the Silvasa Industrial Visit from the 6th to 8th January 2018. Voltas is one of the world's premier engineering solutions provider and project specialist. Founded in India in 1954, the company offers engineering solutions for a wide spectrum of industries in areas such as heating, ventilation and air conditioning, refrigeration, electro–mechanical projects, textile machinery, mining and construction equipment, materials handling equipment, water management & treatment, cold chain solutions, building management systems, and indoor air quality.



ETRX Students at the Voltas Plant, Silvasa

2. The industrial visit also included a tour of Sudhir Generators Limited, Silvasa. Sudhir is a name synonymous with Power. An Industry leader in the field of setting up Diesel base Captive Power Plants up to 20MW having its corporate office in Gurugram & revenue of over INR 1400 crores, it stands tall in the Indian Power Generation Sector, providing complete turnkey Electrical solutions from GENERATION, DISTRIBUTION to ELECTRIFICATION. Founded in 1973, Sudhir Group is committed to new

and innovative technology and strives to develop breakthrough products to meet the ever changing need of power industry. The Company has a wide blue-chip customer base and operates through multiple manufacturing facilities across India. The product line focuses on 7.5KVA – 3000 KVA Diesel & Gas Generators, 100KW Solar Panels, Oil& Dry Type Transformers, HT 11KV & 33KV Panels & LT Panels, Packaged Substations. Sudhir is dedicated to provide quality product and services that enhance our customer's success.



Sudhir Generators Limited, Silvasa



ETRX Students taking a overview of the Sudhir Plant

3. Students from second and third year visited to the Bisleri Plant, Mumbai on 10th March 2017.

➤ Technology Day

20th March, 2018 was celebrated as “Technology Day”. An exhibition was organized by the Department of Electronics Engineering displaying a total 56 projects. Some of the project titles were as follows:

1. Ultrasonic Radar
2. PLC Based Process Control
3. Power Factor Improvement for minimizing penalty in Industrial Power consumption using Boost Converter
4. Design of Dielectric Antenna
5. IOT Based Home Automation and Security System
6. Driver Assistance system using Image Processing

Two projects under ‘Learning beyond Syllabus’ Forum was also demonstrated.

1. Master Slave Based Control Systems
2. Smart Thrash for Automated waste Disposal management

Positive feedback was received and students were acknowledged for their efforts to complete their projects.



Students displaying their project on Technology Day.



Projects being displayed on Technology Day.

DAB MEETING

Following was the agenda for DAB (DEPARTMENT ADVISORY BOARD) Meeting held on 07 th April 2018. The meeting was conducted by Mrs. Kavita Tewari (HOD), Mrs. Naveeta Kant (Deputy HOD), Dr. (Mrs) Rajani Mangla and Mr. Abhay Kshirsagar along with DAB members.

- ✚ Accepting new member (student representative)
- ✚ Minutes of PAC meeting.
- ✚ Results of ODD Semester (Dec-2017)
- ✚ Placements.
- ✚ Tinkerer Lab.
- ✚ Technology Day
- ✚ Internships.
- ✚ Syllabus scheme for autonomy.
- ✚ Visit to student project exhibition

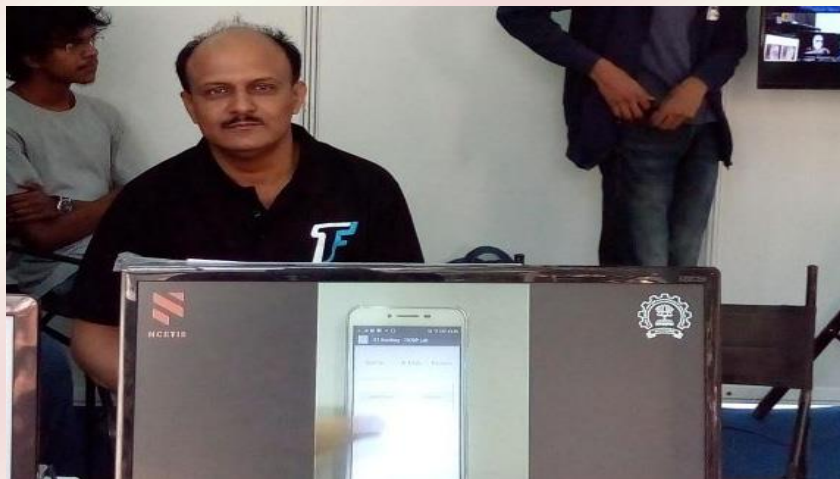


Visit to student project exhibition

FACULTY ACHIEVEMENTS

✚ Workshops and seminars conducted/Attended

- It was a proud moment for VESITians when Mr. Parmeshwar Birajdar, Assistant Professor (Electronics) at VESIT, currently pursuing Ph.D. from IIT-Bombay, participated in TechFest-2017 as a part of his research project. TechFest was conducted from 29th December to 31st December 2017. Mr. Birajdar's project was based on Touchless Fingerprint Recognition, that includes an Android application, touchless fingerprint acquisition and remote matching server.
- Fingerprint images captured using mobile phone camera are compared against the entries in a remote server and thus an individual is recognized. This technology has more accuracy as compared to the existing fingerprint recognition technologies and it is a faster procedure. Undeniably, it is also a lot more hygienic.



Mr. P. Birajdar demonstrating his Project at IIT Bombay.

Ups and downs in life are very important to keep us going because a straight line even in an E.C.G. means we are not alive.

- Ratan Tata

- A one day seminar on IT, Automation and Telecom industry was successfully organized by **Edifice** on Wednesday, 17th January, 2018 in the auditorium of Vivekananda Education Society's Institute of Technology, Chembur from 9:30am - 5:30pm. The Seminar included a demonstration on the use of Virtual Reality technology in the process industry by Mr. Williams Richardson. Mr. Santosh Kulkarni delivered a talk about Smart Cities.

✚ VESIT Faculty awarded her doctorate degree

Heartiest Congratulations to Dr. Asawari Dudwadkar, on achieving her Ph.D. degree in Electronics and Telecommunication. Her thesis is entitled "RECONFIGURABLE INDUCTION HEATING". Dr. Asawari completed her Ph.D. in August 2017 from J.J.T University, Jhunjhunu, and Rajasthan. She has published five papers in National conferences as well as International conferences and research journals in this field. We wish her all the best in her future endeavors.



Dr. Asawari Dudwadkar

The true teachers are those who help us think for ourselves.

- Sarvapalli Radhakrishnan

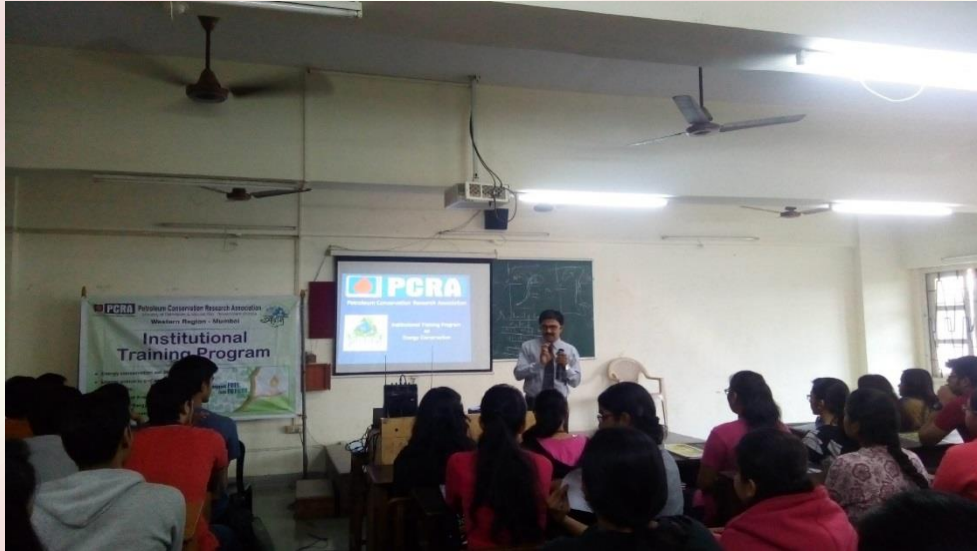
➤ **Other Activities**

Guest lecture

- Guest lectures were delivered by Prof. Nagananda, Assistant professor, EXTC Department on “Skill Set Analysis and Resume Writing and “Placement Process” was arranged for second and third year ETRX students in February 2018.

SEL

- An expert lecture on “Data Management – Future Trends” for final year students were delivered by Dr. M. Vijayalakshmi on 19th March 2018.
- An expert lecture on "Introduction to 32 bit Intel Pentium Architecture" for second year students was delivered by Mrs. Anita Diwakar on 15th March 2018.
- An expert lecture on "Mobile Tower Radiation and its Hazards" for final year students were delivered by Mr. Vikas Singh, Chief RF Engineer, Nesa Radiation Solutions Pvt. Ltd. on 15th March 2018.
- An expert lecture on "PID Controllers" for third year students was delivered by Mr. Subhasrao Mallya on 24th February 2018.
- An expert lecture on "Robotics, its application and future scope" for third and final year students was delivered by Mr. Pratik Deshmukh, Director, Robo LAB technologies ON 7TH February 2018.
- An expert lecture on "Renewable Energy sources and Solar PV" for second and final year students was delivered by Mr. Mehul Raval ,Solar Cell Process specialist, IMC, Mumbai on 3rd Feb 2018.
- An expert lecture on "Energy Conservation- Scenario and Security" for third year students was delivered by Mr. Sambhaji Kadam on 29th January 2018.



Mr. Sambhaji Kadam delivering the Skill Enhanced Lecture to students

STUDENT ACTIVITIES

Student Achievements:

- Harish Yadav and Haroon Khan secured III position in ELECTRONIC DESIGN AUTOMATION CHALLENGE conducted by Dwarkadas J. Sanghvi College of Engineering in April ,2017
- Omkar Tulaskar, Pitam Mali, Mahesh Kulkarni reached Semi-Finals and won the SUPER TEAM award in Project Deep Blue Competition organized by Mastek Ltd. for completing a working solution for emergency situation by developing an android application during the period October 2017-February 2018.
- Narendra Walawalkar reached Quarter-Finals in IICDC organized by Texas Instruments, IIM Bangalore, DST government, a national level competition for completing the project ASSIA (Aerial Servicing System Integrated with Android) in April 2017.

STUDENT PUBLICATIONS

Publications by students:

- **Ankit Panvalkar, Shubham Sawant, Varun Ghokle, Rushabh Shah** published paper in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering titled **“IMITATING BOTS”** in Vol. 6, Issue 4, April 2017
- **Tejveer Singh Goraya, Chaitanya Bhure, Abhinav Sridhar** published the paper titled **“APPLICATION BASED SHOPPING TROLLEY(S-MART)”**. International Journal Of innovative Research in Science, Engineering and Technology – IJRSET, Vol.6, Issue 8, August 2017.
- **Tejveer Singh Goraya, Abhinav Sridhar** published the paper titled **“Automation of conventional Gas stove”**, International Research Journal Of innovative Engineering and Technology – IRJET, Vol.5, Issue 2, and February 2018.
- **Ankit Panvalkar** published a paper: **“Master-Slave Configuration Based Bluetooth Controlled Robots”**, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume6, Issue 3, March 2017, DOI:10.15662/IJAREEIE.2017.0603136.

Kindness is the language which the deaf can hear and the dumb can see.

- Mark Twain

➤ Department Rankers

Rank Holders for First Year Electronics Engineering:

SR. NO.	DIVISION	NAME OF THE STUDENT	CGPI OF FINAL YEAR	RANK
1	A	NAIR LAKSHMI MURALIDHARAN ANILA	9.24	1 st
2	B	KONDE SAHELI VIJAY VIDYA	9.18	2 nd
3	B	NAIR RAHUL GANAPATHI	9.06	3 rd

Rank Holders for Second Year Electronics Engineering:

SR NO	Seat No.	NAME OF THE STUDENT	CGPI OF SECOND YEAR	RANK
1	EX4A016	DINDA SUDIPTA SAKTIPADA SIBANI	10.00	1 ST
2	EX4A017	GUDAL ADITYA SUDHIR ARTI	10.00	1 ST
3	EX4A062	SAWANT SOHAM CHANDRAKANT SHRADHA	10.00	1 ST
4	EX4B086	BHANDWALKAR SONALI SHIVAJI MADHURI	9.94	2 ND
5	EX4A031	KHIRAWADE TEJASHREE KISHOR SHOBHA	9.85	3 RD

The secret of health for both mind and body is not to mourn for the past, nor to worry about the future, but to live the present moment wisely and earnestly.

- Siddhartha Gautama

Rank Holders for Third Year Electronics Engineering:

Sr No	Seat No	NAME OF THE STUDENT	CGPI OF THIRD YEAR	RANK
1	EX6A061	SAWANT ISHA MAHESH PRATIBHA	10.00	1 ST
2	EX6B107	JOSHI MIHIR ABHAY JANHAVI	10.00	1 ST
3	EX6B117	MAHALDAR PRANAY PANKAJ ANJALI	10.00	1 ST
4	EX6B131	PATIL RUSHABH RAMESH MANDAKINI	10.00	1 ST
5	EX6B134	PAWAR FALGUNI SANJAY SHARMILA	9.89	2 ND
6	EX6A019	IYER HARINI NARAYANAN KRITHIKA	9.85	3 RD
7	EX6A020	IYER ROSHNI ARUNKUMAR PRIYA	9.85	3 RD
8	EX6B092	DHAGE SARVESH SANTOSH SUPRIYA	9.85	3 RD
9	EX6B125	NAIR ABHIJITH RAJAGOPALAN SHOBHANA	9.85	3 RD



Rank Holders receiving their award for their good academic performance in the exam

UTSAV 2018 ETRX STUDENT ACHIEVEMENTS

- ✚ Dance and Drama Winners D16
- ✚ Mr. VESIT Runners-up – Aadi Fernandes (D1)
- ✚ General Secretary (A.Y. 2017-18) – Shardul Malvankar (D16)
- ✚ Best Sportsperson (Male) – Aniruddha Malvankar (D16B)
- ✚ Best Sportsperson (Female) – Mayuri Gurav (D16A)
- ✚ SPHURTI Senior Runner up – D16 (B.E.)
- ✚ SPHURTI Junior Runner up – D1 (F.E.)



ETRX Students participating in the Cultural activities



Best personality Award (Juniors)



ETRX Students with 'SPHURTI' runners- up trophy

CONVOCATION

Convocation ceremony took place on 17th March, 2018. 106 ETRX Students were awarded their degree certificates by Dr. Gautam Kumar Dey (senior professor at HBNI and Raja Ramanna Fellow at BARC).



Chief Guest: Dr. Gautam Kumar Dey



ETRX Student receiving her degree certificate.



ETRX faculty and Students before the start of the ceremony

Those who educate children well are more to be honored than those who produce them; for these only gave them life, those art of living.

- Aristotle

ISTE Event 2017-18

Sr. No.	Name Of Event	Date	No. of Students Participated
1	Group Discussion	18/09/2017	5
2	Notice the Unnoticed	09/10/2017 to 14/10/2017	10
3	Around the World	02/02/2018 to 03/02/2018	9
4	Techtrix	07/02/2018 to 08/02/2018	15
5	Placement Week	20/02/2018 to 21/02/2018	23
6	War of Dragons	26/02/2018	9
7	Article Writing	03/03/2018	2
8	Technical Paper Presentation	06/03/2018	3

STUDENT COCURRICULAR ACTIVITIES 2017-2018

- ✚ ETRX Students have become members of different societies during the academic year 2017-2018. (16 ISA members, 40 ISTE members, 105 IEEE members and 5 CSI members.)
- ✚ 58 ETRX Students participated in the various activities of PRAXIS 2017-2018.
- ✚ Hemant Wakchure (D11A) and Suraj Daryapurkar (D11B) emerged Winners in the **Online Treasure Hunt** organized by IEEE on 29/9/2018.
- ✚ Soham Sawant (D11A) and Hemant Wakchure (D11A) won the **TROTA Event** organized by IEEE, while Soumya Chinthalapudi (D11B) and Sahil Berde (D11B) were the Runners-up.
- ✚ ISA VESIT organized a Project Competition on 20th April 2018. Vighnesh Joshi (D6A) secured the First place in the competition with his project “Colour Based Object Sorter”.

Don't educate your children to be rich. Educate them to be happy, so they know the value of things, not the price.

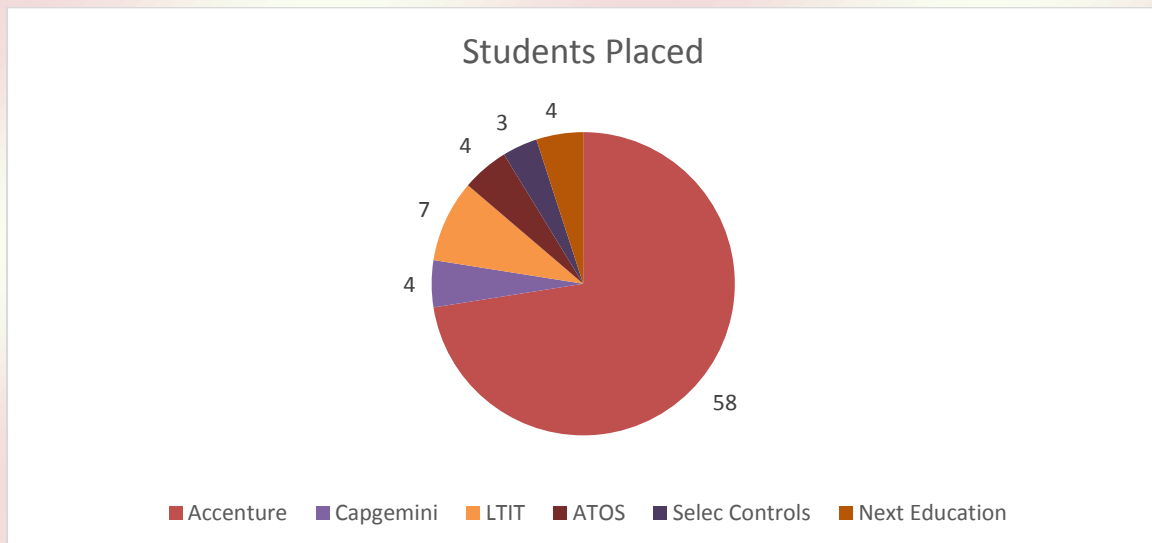
Internship Details (A.Y. 2017-18)

Total 63 students have completed their Internship in reputed companies.
Some of them are as follows:

- Rashtriya chemicals and fertilizers
- Godrej
- BARC(Bhaba Atomic Research Centre)
- Western Railway
- ONGC , Uran Plant
- JSW Steel & Coated Pvt Ltd
- Larsen & Toubro (Heavy Engineering)
- Siemens

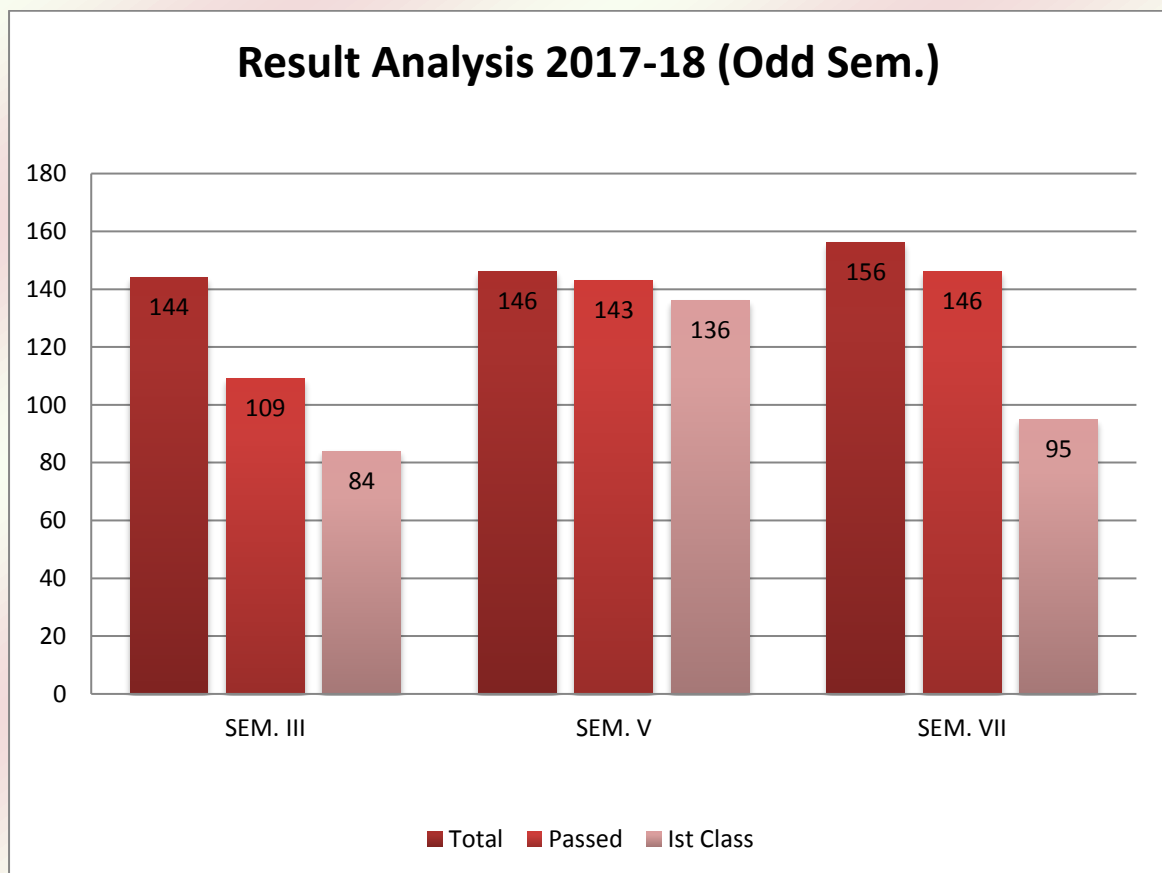
PLACEMENT

The department has a good placement record during this academic year.
So far a total of 80 Students have been placed in various reputed companies.



RESULT ANALYSIS 2016-17 (ODD SEM)

A result of University Examination conducted in December 2017 is as follows:



Choose a job you love, and you will never have to work a day in your life.

- Confucius

ETRX Batch (2013-2017) CLASS D16A



D16 A Class Photograph.

Gratitude is not only the greatest of virtues, but the parent of all others.
- *Marcus Tullius Cicero*

ETRX Batch (2013-2017) CLASS D16B



D16 B Class Photograph.

What can you do to promote world peace? Go home and love your family.

- *Mother Theresa*