REPORT ON ADMISSION

Students Admitted During academic year 2018-19

Only FIRST YEAR 2018-19

COURSE	SANCTIONED INTAKE	ADMITTED STUDENTS		TOTAL
		MALE	FEMALE	
BE	**540 + 24 TFWS**	367	174	541
ME	54	3	6	9
MCA	120	86	34	120
TOTAL	714	456	214	670

Over All

COURSE	SANCTIONED INTAKE	ADMITTED STUDENTS		TOTAL
		MALE	FEMALE	
BE	2664	1807	948	2755
ME	108	10	27	37
MCA	360	248	98	346
TOTAL	3132	2065	1073	3138

Ph.D. :   **Intake -12**   **Registered -11**

First Year Engineering Admissions Branch Wise Statistics				
Branch	**Sanctioned Intake**	**Admitted in 2016-17**	**Admitted in 2017-18**	**Admitted in 2018-19**
F.E. Electronics Engineering	120 +6*	107	114	103
F.E. Computer Engineering	120 +6*	128	129	132
F.E. Computer Engineering (Second Shift)	60	60	60	60
F.E. Instrumentation Engineering	60 +3*	53	44	54
F.E. Elect. & Telecomm. Engineering	120 +6*	125	128	127
F.E. Information Technology	60 +3*	63	64	65

* TFWS

Since 1962

REPORT ON ACADEMIC PERFORMANCE

EVEN Semesters Examinations held during May / June 2018

	Branch	Appeared	Pass / RLE	Fail	College Pass % (2017-18)	College Pass % (2016-17)
First Year BE Sem . II	ETRX	113	76	37	67	68
	CMPN	187	161	26	86	89
	INST	45	29	16	64	69
	EXTC	128	92	36	72	81
	INFT	62	50	12	81	82
	Total	**535**	**408**	**127**	**76**	**80**
MCA I Year		*117*	*95*	*22*	*81*	*71*
Second Year BE Sem IV	ETRX	144	121	23	84	89
	CMPN	216	210	6	97	94
	INST	75	59	16	79	88
	EXTC	208	188	20	90	91
	INFT	75	59	16	79	99
	Total	**718**	**637**	**81**	**89**	**92**
MCA II Year		*112*	*104*	*8*	*93*	*76*
Third Year BE Sem VI	ETRX	146	143	3	98	99
	CMPN	235	231	4	98	98
	INST	79	70	9	89	88
	EXTC	216	211	5	98	92
	INFT	78	77	1	99	99
	Total	**754**	**732**	**22**	**97**	**95**
MCA III Year		*106*	*106*	*0*	*100*	*100*
Fourth Year BE Sem VIII	ETRX	155	153	2	99	95
	CMPN	222	222	0	100	100
	INST	74	74	0	100	87
	EXTC	211	207	4	98	98
	INFT	78	77	1	99	99
	Total	**740**	**733**	**7**	**99**	**97**
ME FIRST Year	EXTC	14	12	2	86	100
	INFT	03	03	0	100	100
	I & C	10	10	0	100	100

Placement Report :

This year the recruitment and placement domain has also seen a movement from Knowledge based recruitment to Skill based recruitment. 55 companies have visited us as of now and a total of 639 offers have been given to 721 Interested students. As of now, we have 18 Dream companies giving 110 offers and 11 core companies giving 27 offers.

Highlights of this year's recruitment is Quantiphi, which is in the Dream status, has selected 17 students from our campus from IT/non IT branches. J P Morgan selected 23 students with an offer of 11 Lakhs /annum through code for good. Nomura selected 7 students, of which one student was through a coding contest called Kakushi. TCS selected 2 students through the codevita contest and 66 from ninja contest.

Accenture continues to be our chief one recruiter, selecting 294 students from the Batch of 2018-19, followed by Capgemini selecting 34 students. This year has also witnessed a paradigm shift in salaries. TCS, NSEIT, quantiphi, Tata communications, KPmG are the companies which have given differential salary package based on the performance of students ranging from 3.4 to 7.5 Lakhs/ Annum.

companies like Carwale.com, justdial, Network marvels, BNP Paribas (Engg+MCA), Reliance(IT), Dark horse, Aversolution, Citiustech, GEP visiting for the first time for campus recruitment, of which many belong to the Dream/core company category.

MCA students have got more opportunities for internship with many companies visiting us this year. 21 companies made 109 offers to MCA students, of which 69 students are already doing internships with 13 companies which are likely to be converted as full time offers. Nomura has continued to support us by selecting 6 MCA students for internship. BNP Paribas has offered internships to 22 MCA students .

Each company has a criteria and students who satisfying that criteria are allowed to appear for the process. Based on that we have 721 students out of 872 students in final year.

Special Recruitment Cell to cater to those students who do not get opportunities on campus had helped to place 12 students from 2018-19 batch.

	TOTAL	ETRX	CMPN	INST	EXTC	INFT	MCA
Offered	639	98	182	44	136	68	109
No of Second Jobs	95	12	29	4	18	10	22
Placed	544	86	155	40	118	58	87
Nos. of Interested Students	721	105	182	66	184	72	112
Percentage Offered	88.63	93.33	100	66.67	73.91	94.44	97.32

Conversion of Internship to Jobs

2016-17

Sr. No	Company	MCA		Stipend	Salary (Lac/Annum)
		offers	Conversion		
1	NOMURA	10	7	25000	8.4
2	GENERAL MILLS	4	2	15000	5.25
3	Pragmatix	7	7	8000	3.5
4	B.N.P. Paribas	14	14	12000	5
5	MorningStar	5	5	15000	6.9
6	Sankey Business Solutions	2	2	10000	3
7	Valuefy	3	0	9000	-
8	Vara Solutions	3	3	7000	1.8
9	Cloud Ganga	1	1	8000	3.2
10	Applied Cloud Computing	1	1	4000	2.04
11	Maxgen Techologies	1	1	10000	3
12	PMaps Assessment Pvt.Ltd.	3	3	5000	2.4
13	SARAS Ennovations	1	1	11000	1.92

2017-2018

Sr. No	Company	MCA		Stipend	Salary (Lac/Annum)
		Offers	Conversion		
1	General mills	2	2	15000	5.25
2	Zeus learning	1	0	25,000	5
3	Nomura (drive)	8	6	25000	8.3
4	Sankey Solutions (MCA)	2	2	10000	3
5	Pragmatix services	1	1	8000	3
6	cloudganga	1	1	5000-8000	2.4
7	Vara united	4	4	10000	3-4
8	BNP Paribhas	5	5	12000	5
9	vistaar	2	2	13500	3.3
10	E-Emphasys	1	1	22000	3.6/4.0
11	atlas solutions and consulting	1	1	4999	3.25
12	Applied cloud computing	6	6	4000	2.04-2.40
13	Yohaat	6	6	2500	1.8-3.8
14	Interface Design	2	2	8000	2
15	ripplehire	1	1	8000	2-3

Since 1962

REPORT ON ACCENTURE DIVERSITY CONNECT PROGRAM

Accenture in association with VESIT training and placement cell held an event on inclusion and diversity in VESIT on 11/03/2019. The main motive of the event was to promote Accenture's Getting to equal mission by 2025. The occasion was also used for the celebration of international women's day.

The dignitaries present for the event were Ms. Kalyani Roy (Managing Director Accenture), Ms. Sejal Parekh (Managing Director Accenture), Ms. Deepa Rai (Campus operation leader for Accenture), Mr. Ajay Kumar Heremat (Zonal Manager Accenture), Ms. Kavita Krishnamurthi (Alumni of VESIT) and Mr. A. Nagananda (Training and placement officer VESIT). The event was hosted by Ms. Nadia Hakani and Ms. Anushree Prabhu.

The event started with few fun games including a photography contest, a message writing contest and a social media contest. All the winners were awarded by giving exciting prizes. In the second part of the event Ms. Kalyani Roy & Ms. Sejal Parekh spread a light over Accenture's point of view about gender equality and they also explained the gender imbalance the corporate world is facing today in our country. They also introduced the audience with Accenture's getting to equal by 2025 mission and also showed how they are approaching towards accomplishing it.

The event made it very clear that Accenture does not support any discrimination based on gender, caste, religion, race and physical disability. Accenture purely belives that inclusion and diversity is the way to go forward and they are completely supporting it by employing all kinds of individuals.

VESIT Recognized under Section 2(f) & 12(B) of UGC Act 1956

University Grants Commission has included VESIT in the list of colleges under Section **2(f) & 12(B) of UGC Act 1956**, which now up scales us to receive Central Assistance.

ACHIEVEMENT IN INNOVATIONS

SMART INDIA HACKATHON 2019

Grand Finale-Smart India Hackathon 2019 :
Smart India Hackathon 2019 is an initiative by Ministry of HRD, AICTE, Persistent Systems, i4c and Rambhau Mhalgi Prabodhini. It is World's biggest Software and Hardware hackathon. It is 3rd edition of highly successful Smart India Hackathon initiative. Grand Finale of SIH 2019 was conducted on 2nd and 3rd March 2019 in various Nodal Centres across India. It was 36 Hours continuous coding contest.

Glorious Success of VESITians
It is a moment of pride that we have add on to winning history of VESIT, that **5 out of 8 teams have won the Grand Finale of Smart India Hackathon 2019**. SIH 2019 was divided into three categories of complexity: Complex, Complicated and Simple.

SIH 2019 GRAND FINALE WINNERS

Sr. No.	Company name	Team Name	Team Leader	Problem Statement Title	Problem Statement Category	Prize Amount
1	Robert Bosch	SPARX	Ujala Jha/ TE/ INFT	Digital India - Smart Subsidy System.	Complex	1,00,000/-
2	RCF	Agronomists	Sanket Paratkar / BE/CMPN	AI for Farmers	Complex	1,00,000/-
3	Ministry of Civil Aviation	MATRIX _VESIT	Rahul Bhatia/ TE/ CMPN	Mobile application to get RCS flight seat availability/Fare/Departure/Destination in real time	Complex	1,00,000/-
4	Goonj	AccheDin	Aneesh Kulkarni/ TE/CMPN	Mgmt of material during Disaster- receipt, availability, movement and its receipt to the last person	Complicated	75,000/-
5	Kisan Forum Pvt. Ltd.	TechBACCRA	Chinmay Sankhe / TE/CMPN	Farm input calculation	Simple	50,000/-

Team 1: SPARX

Team Leader: Ujala Jha/TE/INFT
Team Members:
1. Gayatri Belapurkar/TEINFT
2. Gaurav Sahu/TE/INFT
3. Sagar Ganiga/BE/INFT
4. Abhishek Kaudare/BE/INFT
5. Mitesh Goplani / TE/CMPN   Team SPARX

Mentor: Mr. Amit Singh
Problem Statement Category: **Complex**

Abstract:

UnBlock Subsidy **(UBS)** is a platform where we aim to revolutionize the process of disbursing subsidy by using cutting edge technologies for application development and using Blockchain as a backbone to implement the process. UBS decentralizes the current Subsidy Distribution System using the Blockchain Paradigm which increases the trust factor among stakeholders. Current implementation of UBS has 3 roles, User which is the beneficiary of the scheme, Government who is the maker of the scheme, Distributor who is responsible for disbursing approved scheme. UBS can act as a **potential service provider f**or subsidy scheme system, as the system enables Identification of truthful beneficiaries.

- Flagging of ghost beneficiaries.
- Reducing delay and identification of points of delay.
- Eliminating chances of corruption by using a consensus approach of application verification powered by blockchain.

Team 2: Agronomists

Team Leader: Sanket Paratkar /BE/CMPN
Team Members:
1. Devendra Chaudhhari/BE/CMPN
2. Pankaj Ahuja/BE/CMPN
3. Nikhil Dalvi/BE/CMPN
4. Akshaya Patil /BE/CMPN
5. Yogita Balani/BE/CMPN

Mentors: Dr. Nupur Giri , Mrs. Sunita Sahu

Problem Statement Category: Complex

Abstract:

The Purpose of this system is to create an efficient android app for the farmers who can calculate the amount of fertilizers and pesticides to be put into the soil to get the best quality yield.

Implementation:

In this system users/farmers can calculate their field area , set up an appointment for soil testing with a soil testing laboratory (STL), receive their soil report and based on the area and the soil constituents, view the various sets of fertilizers and the amount of fertilizer to be applied to their field in the increasing order of their prices. In addition, users can detect diseases on their crop and view pesticide recommendations ,their description and the method to apply the same . They can also use a chat bot for solving queries regarding farming techniques .

Team 3: MATRIX_VESIT

Team Leader: Rahul Bhatia/ TE/CMPN

Team Members:
1. Simran Bhagwandasani/TE/CMPN
2. Trupti Kamat/TE/CMPN
3. Anisha Kaul/TE/CMPN
4. Akanksha Mittal/TE/CMPN
5. Bhavika Valecha/TE/CMPN

Mentor: Mrs. Mannat Doultani ,   Mrs. Vidya Zope   **Problem Statement Category: Complex**

Abstract:

Our problem statement was based on the RCS scheme launched by the ministry of civil aviation.They wanted an analysis dashboard where the ministry can monitor the bookings of RCS seats. Our idea for this was that we will make a channel for the booking of every RCS seats by every 3rd party . Every time a person books an RCS seat it will go through our channel to authorise and authenticate their booking to ensure that they aren't charged more price than the RCS rate. Also if a person cancels his/her

RCS seat , the next person who had booked the seat at the market price will get the required discount and refund. Apart from this we also prepared a dashboard which would detect the fraudulent transactions for ministry and can also produce various charts for comparison.

Team 4: AccheDin

Team Leader: Aneesh Kulkarni/ TE/CMPN

Team Members:
1. Pranit Naik/TE/CMPN
2. Pranjali Tembhurnikar/TE/ CMPN
3. Tejas Thakur/TE/CMPN
4. Vignesh Verma/TE/CMPN
5. Vedant Wakalkar/TE/CMPN

Mentors: Mrs. Anjali Yeole , Mrs. Indu Dokare

Problem Statement Category: Complicated

Problem Statement:

Management of material during Disaster-receipt, availability, movement and its receipt to the last person.

Abstract:
For the benefit of the people in the regions devastated by any sort of disaster, the key aspect of managing a disaster involves efficient planning of distribution and transportation of relief materials to the people in need. So to reduce the avoidable losses of lives, an efficient management system is required.

1. The admin comes to know about the disaster and its location. The admin checks if there is a relief center nearby, if not then the admin sets up a relief center at the safest and nearest location from the disaster location.
2. The admin also dispatches the team working onsite.
3. The onsite team does a survey regarding what all materials are to be distributed to whom and in what quantities.
4. After the survey, the onsite team conveys the requirement information to the admin via an android app, where there are categories for different disasters. The team member can add or edit the relief materials also. If there is an internet connection, the requirements will be added in real time database. But if there is no internet connection, then the requirements are stored in local database (SQLite) and as soon as there is an availability of internet connection, requirements will be then added in the real time database.
5. From the database the information about the requirements reaches the admin in the form of quotations. If the quotations are approved by the admin, it is given as the input to the intelligent system.
6. The intelligent system searches for the nearest storage centers, and if the material availability is adequate at the respective storage systems then the admin is notified about what material can be delivered by which storage centers and in what quantities.
7. Once the admin sends the dispatch command to the storage centers, the order of the materials are dispatched from the storage centers via the corresponding shippers.
8. The shippers are tracked by the admin, storage centers as well as the relief centers, by GPS and geo-fencing if the internet connection is available. If not then the shippers will be informed about the checkpoints (set up by Goonj) lying on the route from the place of shipment to the relief center and the shippers when report at these checkpoints, they can be tracked via these checkpoints with the help of a verification code that can be determined by scanning the respective QR codes.

9. Once the materials are received by the relief center, the received quantity is updated in the database to determine whether the requirement is fulfilled.
10. The onsite team members collect the relief materials from the relief center and what material is given to which onsite member and in what quantity is recorded with the help of a form. If the requirement is not fulfilled the onsite team members first notifies the admin about the issue and place a new order and the entire process is repeated.
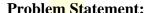
Team 5: TechBACCRA

Team Leader: Chinmay Sankhe /TE/CMPN

Team Members:
1. Bhavesh Ahuja/TE/CMPN
2. Austin Coutinho/TE/CMPN
3. Chandan Bhangale/TE/CMPN
4. Rinku Sahu/TE/CMPN
5. Abhiruchi Bhattacharya/TE/CMPN

Problem Statement Category: Simple

Problem Statement:

Farm input calculation

Abstract:
The Purpose of this system is to create an efficient android app for the farmers who can calculate the amount of fertilizers and pesticides to be put into the soil to get the best quality yield.

In this system users/farmers can calculate their field area , set up an appointment for soil testing with a soil testing laboratory (STL), receive their soil report and based on the area and the soil constituents, view the various sets of fertilizers and the amount of fertilizer to be applied to their field in the increasing order of their prices. In addition, users can detect diseases on their crop and view pesticide recommendations, their description and the method to apply the same. They can also use a chat bot for solving queries regarding farming techniques.

- **13th Intercollegiate/ Institute/ Department Avishkar Research Convention : 2018-2019**

PHASE : University Level Research Project Competition

1st Rank in Engineering Technology in University : PPG category

Mrs. Lekshmi Ajesh   (Gold Medal)

TITLE: A Novel System for Emulation of Partial Discharges to aid HV equipment Breakdown Diagnostics

ABSTRACT:
The major reason for unexpected failures in a high voltage equipment is insulation breakdown. These are normally preceded by a presence of repetitive discharges referred as partial discharge (PD), each of which further deteriorates the insulator. A comprehensive system has been developed comprising of a LabVIEW based software component which generates PD pulses of varying amplitudes, shapes and time of occurrence under different operating conditions and a hardware component which produces analog pulses replicating the actual PD pulse shapes using a specially designed analog precision circuit. This system will facilitate research in PD generation, characterization and detection without the use of high voltage equipment and support training, calibration and easy diagnostics.
Benefit : Safety of High Voltage Instruments in Industries/Railway Systems etc.

2nd Rank in Engineering Technology in University : Teacher category

Mrs Asma Parveen I. Siddavatam (Silver Medal)

TITLE: Design and construction of High Resolution Spectroscopy System based on new technique of Estimation

ABSTRACT:

High resolution spectroscopy systems are required to find the energies of various radio-isotopes in a complex mixture of radiation sources from fission reaction or other nuclear reactions, to evaluate the high-resolution nuclear detectors as well as for research applications in nuclear physics. In this research project, a hardware prototype is designed and constructed based on a new proposed technique named as "Dynamic estimation technique" which gives the resolution up to 64k.The component cost for the system is nearly Rs. 50,000 as compared to USD 10,000 and above for imported systems.

Benefit : In the field of National Security , Medical

3rd Rank in Engineering Technology in University : Teacher category

Mrs Kadambari Sharma   (Bronze Medal)
TITLE : A Research Grade Computer Controlled Light Source

ABSTRACT:

Optical fiber Instrumentation utilizes a light source, an optical fiber as sensor and photodetector circuitry. Light plays a very important role in this system. We need to explore different properties of light in order to get the optimum output. This project is about a computer controlled light source, developed for research purposes. It employs an integration of hardware and software. The parameters controlled are light intensity, wavelength, duration, and the frequency of light pulses. The pulse width can be varied from 10ns to 1.25µs in steps of 5ns and frequency upto 100KHz, such wide parameter variations and cost effectiveness of the product provides an important way for carrying out the research work in the field of optical fiber instrumentation.

Benefit : In the field of National Security System

PHASE II : State Level Research Project Competition

Prof. Asma Parveen I. Siddavatam and Lekshmi Ajesh Kaimal represented University of Mumbai at Inter- University State Level competition that was held at Gondwana University, Gadhchiroli from 15th to 19th January 2019. The teams/candidates presented university at state level were also got a chance to interact with **Hon'ble Education Minister, Shri.Vinod Tawde at Mantralaya**

Prof. Asma receiving silver medal in TH category at state level.

- **IOT based 2D Plotter at Automation Expo 2018**

Students of Electronics Department showcased **IOT based 2D Plotter** at Automation Expo 2018 & <u>Won the Trophy</u>

- **Arvind Narayanan, Heena Dawani, Saish Mohare and Varun Rathi** final year students **won** the **TSEC Codestorm Competition (**a inter-college level hackathon organised by **Thadomal Shahani Engineering College)** .

The team build a remote voting application using blockchain technology.

*In this problem statement, team asked to Develop a secure, transparent and decentralized application for the **remote voting system** as a medium for voting various purpose including views on different issues or political voting. When the user registers, he will be issued a token, and if he wants to vote for a particular candidate, he basically transfers this token to the candidate. Once he has used up the token, he won't be issued another one, so he can't vote twice. Team can verify the authenticity of each vote, i.e. the history of the token and how the ownership changed and so on. Team members are storing tokens in IPFS (InterPlanetary File Sysytem) which is a p2p based multimedia sharing platform.*

- **Vishal Israni** and team from final year won **Rs.1,00,000** /- as **1ˢᵗ Runner Up Prize in HackM Fintech event sponsored by Deloitte**. The motto of the event was to provide an environment where people could explore and prove technical excellence of their own.

  *Description of project : **Farmer Android App multilingual***
  Moderator Dashboard Website
  Expert Dashboard website and android multilingual

- **2ⁿᵈ Runner Up place in HackM** Tarasha Agarwal & Team

.

Project Title : KrushiDost – Farmer's Friend

*It is a **digital solution to support farmers by providing on-demand labour and technology services**. It is a website that enables farmers to recruit labourers who can help them in field and also allow the farmers to buy or rent out farming equipment. The website is available in many regional languages to make it user friendly. This solution not only is of help to farmers but also to unemployed labourers.*

- **POWER OF CONNECTED HACKATHON by HONEYWELL conducted on 29th September, 2018 at Bengaluru.**

AI on the edge- Solving the problems for stakeholders using AI on edge devices. **The team VESIT were declared as the 1ˢᵗ Runner up.**

- **The embassy of Sweden organizes 'Xpress Minds Edutainment', the Sweden-India Nobel Quiz competition** annually. Conducted across 11 cities.

The event was held at Welingkar Institute of Management, Matunga on 28 September 2018. The broad theme is based on Alfred Nobel, the Nobel Prize, Nobel Laureates, innovations and inventions of Swedish people and Sweden in general.

This year, over 85 teams participated in the event, including three teams from VESIT. One of our teams, comprising of **Sparsh Khosla, Megha Shahri and Aditya Kamath**, qualified in the paper eliminations round to march their way into the final round where they finally wound up in the 5th position.

- **Avinash Tripathy(D4B), Sparsh Khosla(D5) and Aditya Kamath(D12A)** secured the **First prize in the Intercollege Quiz held at Shah and Anchor Kutchhi Engineering College**, Chembur. They received a trophy, individual medals and a cash prize worth thirteen thousand rupees.

•   Adith Nair, Shlok Jagusthe and Neeraj Patil beat sixty participants from the top colleges of Mumbai to bag the **First, Second and Third position respectively in intercollege technical debate** on the 3rd, 4th and 5th of October 2018 **at Ramrao Adik Institute Of Technology**

• Around 560 teams registered in **Project Deep Blue** Season 4 from all over Mumbai and Pune. 34 teams registered for this initiative from VESIT.

On 20th October, 2018, at K.J Somaiya Institute of Engineering and Information Technology, Sion, around 65 teams were declared as qualified for the second round of Project Deep Blue. Out of the 65- odd teams selected, **17 teams were from VESIT.**

CODE	TEAM LEADER	YEAR	PROBLEM STATEMENT
CPT2	Ujala Jha	Third Year	Capacity Planning for Public Toilets CPT
CSP10	Akanksha Mittal	Third Year	Citizen Service Problem CSP
CSP11	Dhiren Motwani	Third Year	Citizen Service Problem CSP
CSP13	Sumeet Haryani	Third Year	Citizen Service Problem CSP
CSP14	Sagar Ganiga	Final Year	Citizen Service Problem CSP
CSP19	Sanket Paratkar	Final Year	Citizen Service Problem CSP
CSP20	Abhishek Kalgutkar	Third Year	Citizen Service Problem CSP
CSP3	Dhaval Ulhas Bagal	Third Year	Citizen Service Problem CSP
CSP5	Inderjeet Saluja	Final Year	Citizen Service Problem CSP
CSP6	Dishank Poddar	Third Year	Citizen Service Problem CSP
CSP7	Bhavika Mahadik	Final Year	Citizen Service Problem CSP
PHC5	Yash Patil	Third Year	Public Toilet Health Check PHC
PWP2	Meenakshi Agarwal	Third Year	Plastic Waste Profiling PWP
PWP21	Milan Hazra	Third Year	Plastic Waste Profiling PWP
PWP9	Omkar Dhavalikar	Third Year	Plastic Waste Profiling PWP
UPT1	Mehak Katra	Third Year	Utilization of Public Toilets UPT
UPT3	Rishil Kirtikar	Third Year	Utilization of Public Toilets UPT
UPT4	Gayatri Belapurkar	Third Year	Utilization of Public Toilets UPT

BRANDING THROUGH RANKING SURVEY
(Without any Registration Fees or sponsorship)

EducationWorld Private Engineering Institutes Rankings 2018-2019

RANK 1st IN MAHARASHTRA STATE

EducationWorld is India's first education-focused magazine. Education World conducted a survey of India's Top 100 Universities, Engineering Institutes, B-Schools and Arts, Science & Commerce Colleges. Educationworld also has complied national and state rankings.

Education World India Private Engineering Institutes Rankings 2018-19 survey was conducted by the Delhi-based Centre for Forecasting and Research Pvt. Ltd (C fore, estb. 2000), one of the country's premier market research and public opinion polling companies.

To compile the national and state rankings, C fore field researchers interviewed faculty and final year students of engineering institutes countrywide and industry representatives, asking them to rate engineering institutes on following nine parameters
1. Leadership / Governance Quality.
2. Faculty Welfare and Development.
3. Competency of Faculty.
4. Curriculum and pedagogy.
5. Industry Interface.
6. Research and Innovation.
7. Infrastructure and Facilities.
8. Placements.
9. Value for Money.

Further, the interviewees were also asked to assign weightage to each parameter. The scores awarded by respondents under each parameter were totaled for the purpose of final ratings and ranking.

V.E.S. Institute of Technology (VESIT) has earned the **FIRST RANK in Maharashtra State** and 29th Rank among the Top 100 Engineering Colleges in India.

Cover Story EW India Private Engineering Institutes Rankings 2018–19

Rank		Karnataka	Total score (2300)
India 2018	State 2018		
5	1	Manipal Institute of Technology	1973
9	2	RV College of Engineering, Bangalore	1883
12	3	PES University, Bangalore	1866
18	4	JSS Mahavidyapeetha Sri Jayachamarajendra College of Engineering, Mysore	1819
21	5	BMS College of Engineering, Bangalore	1811
27	6	International Institute of Information Technology (IIIT), Bangalore	1748
32	7	MS Ramaiah Institute of Technology, Bangalore	1736
36	8	The National Institute of Engineering, Mysore	1727
41	9	CMR Institute of Technology, Bangalore	1710
61	10	Bangalore Institute of Technology, Bangalore	1652
64	11	Acharya Institute of Technology, Bangalore	1636
65	12	Reva Institute of Technology and Management, Bangalore	1635
68	13	SDM College of Engineering, Dharwad	1633
70	14	BV Bhoomaraddi College of Engineering & Technology, Hubli	1630
82	15	NMAM Institute of Technology, Udupi district	1609
84	16	NITTE Meenakshi Institute of Technology, Bangalore	1602
99	17	Sri Sairam College of Engineering, Bangalore	1489

Manipal Institute of Technology campus vista

Rank		Maharashtra	Total score (2300)
India 2018	State 2018		
29	1	Vivekanand Education Society's Institute of Technology, Mumbai	1742
34	2	Symbiosis International (Deemed University), Pune	1730
38	3	Laxminarayan Institute of Technology, Nagpur	1722
40	4	Bharatiya Vidya Bhavan's Sardar Patel College of Engineering, Mumbai	1714
43	5	KJ Somaiya College of Engineering, Mumbai	1708
49	6	Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai	1680
50	7	DJ Sanghvi College of Engineering, Mumbai	1678
52	8	Shri Ramdeobaba College of Engineering and Management, Nagpur	1667
54	9	Mukesh Patel School of Technology Management and Engineering (NMIMS University), Mumbai	1663
55	10	Universal College of Engineering, Vasai, Thane	1662
57	11	MKSSS' Cummins College of Engineering for Women, Pune	1661
58	12	Vishwakarma Institute of Information Technology, Pune	1658
66	13	Fr. Conceicao Institute of Technology, Vashi, Mumbai	1634
72	14	Sanjay Ghodawat Institute of Technology Management and Research, Kolhapur	1629
73	15	Maharashtra Institute of Technology, Pune	1625
77	16	Walchand College of Engineering, Sangli	1616
89	17	Thadomal Shahani Engineering College, Mumbai	1573
105	18	Ramrao Adik Institute of Technology, Navi Mumbai	1397

Rank		Telangana	Total score (2300)
India 2018	State 2018		
2	1	International Institute of Information Technology (IIIT), Hyderabad	2035
17	2	BITS, Pilani-Hyderabad Campus	1820
19	3	Chaitanya Bharathi Institute of Technology, Hyderabad	1812
45	4	Vasavi College of Engineering, Hyderabad	1705
46	5	CVR College of Engineering, Hyderabad	1704
47	6	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	1691
48	7	Mahatma Gandhi Institute of Technology (MGIT), Hyderabad	1689
80	8	Muffakham Jah College of Engineering and Technology, Hyderabad	1611
83	9	Sreenidhi Institute of Science & Technology, Hyderabad	1608
85	10	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	1591
95	11	MLR Institute of Technology, Hyderabad	1553
96	12	St. Peter's Engineering College, Hyderabad	1505

Since 1962

VESIT in "The 10 Best Private Institutes in India, 2018"
by The Knowledg Review Magazine Team. Published in India Edition Nov'18

Institution Innovation Council

MHRD'S Innovation Cell (MIC):

MHRD'S Innovation Cell (MIC): MIC is MHRD'S initiative MHRD established MIC at AICTE, New Delhi. It systematically fosters the culture of Innovation amongst all Higher Education Institutions (HEI) and encourages, inspires and nurtures young students by supporting them to work with new ideas.

MIC has envisioned the creation of 'Institution's innovation council (IICs)' across selected HEIs in India. Around 1000 institutions have been certified for establishing IIC from around 1800 applications and VESIT is one of the 1000 institutes which has been certified to establish IIC.

Objectives of IIC

To create a vibrant local innovation ecosystem
Start-up/ entrepreneurship supporting Mechanism in HEIs
Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA)
Establish Functional Ecosystem for Scouting Ideas and Pre-incubation of Ideas
Develop better Cognitive Ability amongst Technology Students

The VESIT IIC Council

Patrons

Shri B. L. Boolani, Managing Trustee VESIT
Dr J. M. Nair, Principal VESIT

Council Members

President- Prof. Dr. (Mrs) M. Vijayalakshmi, Vice Principal VESIT
Convener- Prof. Dr Nadir N. Charniya, Professor EXTC Dept
 Member :- Dr. (Mrs) Gresha Bhatia, Deputy HOD CMPN Dept

 Expert members

Dr Kiran T. Talele, IEDC, SPIT
Mr Darryl Dias, Investor
Mr Mehul Rawal, Industry Expert
Mr Nayan Khinvasara, Alumni

Inauguration of VESIT IIC

IIC was inaugurated on 12th January 2019 by VESIT Trustee Shri B. L. Boolani. In his speech, he shared his thoughts and ideas on Research and Innovation. Dr Kiran T. Talele, SPIT and Member IIC stressed on the importance of innovation, ideas and patenting. Prof. Dr Nadir N. Charniya presented MIC and IIC objectives of encouraging, inspiring and nurturing young students by motivating them to work with new ideas

IIC ACTIVITIES

Episode 1- India First Leadership Talk Series with by Shri Anand Mahindra,Chairman, Mahindra Group. 8th January 2019 On 8th January 2019, Ministry of Human Resource and Development (MHRD) organized the first live session under India First: Leadership Talk Series with Shri Anand Mahindra, Chairman, Mahindra Group. As a part of MHRD's initiative, this event was arranged to encourage, inspire and nurture young students.

Online session was organized at VESIT auditorium wherein students and faculty from all branches and courses of B.E., M.E. and M.C.A. attended.

- **Workshop and Live Session on Intellectual Property Right (IPR) by Ms Shwetasree Majumder IP lawyer**,

A Workshop and Live Session on IPR for Students and Faculty Members by Ms Shwetasree Majumder, Principal, Fidus Law Chamber was conducted on 10th January 2019 from 1:30 pm to 3:30 pm at VESIT. Ministry of Human Resource and Development (MHRD) along with CPAM-Cell for IPR Promotion and Management, organised this live session. Ms Shwetasree Majumder is an IP lawyer, she mentioned in the live session that even though there are very few IP lawyers, India has the strongest IP law regime.

- **Agile Methodology of Software Development by TCS Team**
  Sessions on Agile Methodology were conducted TCS team on 12th January 2019 at VESIT. The Session addressed the importance of Agile Methodology, practical implementation.

How and What of Intellectual Property Rights by Mr Akhilesh C Shrivastav, (TCS Innovation Lab, Mumbai)
 On 18th January 2019, a live session on IPR (Intellectual Property rights) was organized at VESIT auditorium under VESIT- Institutes's Innovation Council from 11 am to 1 pm, wherein Mr Akhilesh C Shrivastav (TCS Innovation Lab, Mumbai) shared his experiences and briefed about Intellectual Property Rights (IPR) and it's different forms like patents, trademarks and copyrights.

Episode 2 - India First Leadership Talk Series with Dr. Anand Deshpande, Founder & CMD, Persistent Systems Ltd.
On 24th January 2019, a online session on Planning for Career, Future industry trends and Startup was organized at VESIT auditorium under VESIT- Institutes's Innovation Council. Dr Anand Deshpande (Founder, Chairman & Managing Director, Persistent Systems Ltd.)

VESIT LeadingIndia.ai Initiative

As a new initiative in Academics and Research, VESIT has become one of the Zonal Lead Partner with LeadingIndia.ai, Nationwide Initiative. The mission of this initiative is to promote Deep Learning and AI skills mainstream in India, to fulfill the trilateral needs of entrepreneurship, Industry-academia partnership, and application-inspired Engineering Research. VESIT LeadingIndia AI Team is lead by Dr. (Mrs.) M. Vijayalakshmi (Vice Principal, VESIT) along with Dr. (Mrs.) J. M Nair (Principal, VESIT), Dr. (Mrs.) Shalu Chopra (Head of IT Department), Mrs. Sangeeta Oswal (Assistant Professor, MCA Department), Mrs. Vidya Pujari (Assistant Professor, IT Department) and Mrs. Lifna C S (Assistant Professor, Computer Engineering Department).

Under this initiative, VESIT AI Club has been formed on 31st Aug 2018 with six Student Ambassadors from the departments of Computer, IT and MCA. To promote AI among UG and PG students, 30 AI and Deep Learning based Projects were identified at both UG and PG level across the three departments and students are being encouraged to do work to bring out foolproof solutions.

Under this association, various activities are being scheduled to Promote AI and Deep Learning Skills among students and faculty to prerpare them for the future. In February 2019, three days workshop on "Deep Learning and NVIDIA DLI" was organized from 16.02.2019 to 18.02.2019 and was attended by **35 faculties and 10 students.** The workshop sessions were taken by **VESIT LeadingIndia.ai Initiative**

Dr. Suneet Kumar Gupta, Professor @ Bennett University and Dr. Vipul Mishra, Coordinator & Product Development Head of Leading India Team @ Bennett University.

As a part of this association, LeadingIndia.ai had opened a BID in the month of January to conduct Nationwide Hackathon on AI for which many institutes participated. VESIT happy to announce that, after a rigorous selection procedure, VESIT got the opportunity to host Nationwide AI based Hackathon among Graduate and Postgraduate students from professional instiutes. The vesAIthon is scheduled on 28th and 29th June 2019. The theme of the Hackathon is AI-based solution for Societal Benefits. Under this event, we are targeting to address the issues and provide technology-based AI solutions for these three categories, Senior citizens, Differently abled and Kids.

Further, this AI outreach was extended by promoting **8 Professional Engineering Colleges** to join the initiative as **Basic Partners**. List of Basic Partners are : K J Somaiya Institute Of Engineering And Information Technology, Mumbai; K J Somaiya Institute Of Management Studies & Research, Mumbai; MES's Pillai HOC College Of Engineering & Technology, Rasayani; Saraswati College Of Engineering, Navi Mumbai; SIES Graduate School Of Technology, Navi Mumbai; MET Institute Of Computer Science, Mumbai; Bharati Vidyapeeth's Institute Of Management And Information Technology, Navi Mumbai; Navinchandra Mehta Institute Of Technology & Development, Mumbai.

"LBS Championship 2018-19"

LBS is an annual event, where different student groups come up with ideas and convert it into a project. This time entries were invited from second and third year students of BE and first and second year MCA students and asked them to propose a solution in the form of an App or a product benefiting the Society. Also, asked the interested faculty members to register as mentors.

55 registrations from the student groups and 38 mentor registrations for the first round.

This competition was three rounds of elimination:

I **Round of elimination:** LBS championship 2018-19 Round I was conducted on 10th October 2018 . The student teams presented their problem statements in three minutes time and two minutes were assigned for the Q&A session. The senior faculty members judged the projects based on the novelty of the ideas proposed and feasibility and 38 groups were selected for the next round.

II **Round of elimination –** LBS championship 2018-19 Round II was held on 2nd February 2019 by our experienced alumni. The projects were judged based on about 70 - 80% completion of the project and innovative ideas. In this 37 teams participated and 11 were selected for the III round.

Dignitaries from Quantiphi at the LBS Event & Top 11 teams from VESIT for LBS

III **Round of elimination and the finals –** LBS championship 2018-19 Round III was held on 2nd March 2019 and the judges were from the Industry. A panel of 6 judges were judging the competition and criteria for judgment was conversion of this prototype in to a final product. Quantiphi sponsored our prizes - I prize- Rs.10000, II prize - Rs.7000 and III prize - Rs.3000.

The prizes distribution ceremony was held on 20th March 2019, Technology day.

Position	Code	Title	Project Leader	Mentor
First	LBS-52309	Air Pollution Sensing using Wireless Sensor Networks	Sunit Raut - TE - EXTC Shubham Annigeri -TE - EXTC Shubham Madhavi - TE- EXTC Shreyas Padate - TE- EXTC	Mr. Ajinkya Valanjoo EXTC
Second	LBS-52432	Water E-Governance	Paarth Nilesh Arkadi – SE - ETRX Ankit Deopurkar- SE- ETRX Megha Sahu -SE- INFT Juyee Sabade - SE -INFT	Dr. Shiv Kumar Goel -MCA
Third	LBS-52312	Prosthetic Leg	Siddhant Satam SE- EXTC Abhishek Desale SE -EXTC Sai Rane SE- EXTC Phalguni Shendye SE- EXTC	Mr. Abhishek Chaudhari - ETRX
Third	LBS-52320	Smart parking system	Aaryaa Padhyegurjar SE- ETRX Nikita Patel SE- ETRX Vaidehi Phaltankar SE- ETRX Sayli Sawant SE- ETRX	Mrs. Nusrat Ansari-EXTC

- **AWAKENING THE SCIENTIST**

VESIT conducts the "Awakening The Scientist" competition every year for the first year students.

This year, the ATS competition was held in October and conducted, as usual, by the Department of Humanities and Applied Sciences. To begin with, the students had to form a group of 3 or 4 members and submit their synopsis about any particular technological innovation widely used in the contemporary world. Few of the best entries were shortlisted, and the finalists had to prepare a presentation about that innovation.

The first prize was won by the team of **Shivshakti Pillai, Prabhat Jaiswar and Vinayak Patil**. Their choice of topic was 'Solar Charger'. The second prize went to **Sakshi Davkhar, Jatin Dandelia, Ruthvik Rao and Harish Kumar** who presented 'Hearing Aid' as their topic. The third prize was claimed by **Tejas Dhopavkar, Advait Naik, Saurav Telge and Abhinav Sharma** who gave a presentation on 'Metal Detector'. Some other noteworthy topics which were presented by the students were 'Drone', '3D Printer' and 'Scientific Calculator'. The prize for the best speaker was awarded to Bhuvana Raisinghani, while Shivshakti Pillai was awarded the most promising speaker.

The VESIT Entrepreneurship Cell

List of Activities conducted by Cell during A.Y. 2018-2019

Project Deep Blue by Mastek and Majesco:

VESIT E-Cell was handed with the responsibility of facilitating Project Deep Blue competition for VESIT students. In the same regard an introductory talk by Ms. Kavita Desai from Mastek was conducted on 8th August 2018. The event had an overwhelming response which continued till the very end of the event leading to 17 teams from VESIT were selected for the Project Deep Blue competition and 5 out of 11 teams in the Grand Finale were from VESIT. VESIT received "Outstanding College" award for this event.

BookSwap:

BookSwap was conducted by VESIT E-Cell from 25th August to 31st August 2018 where the students from FE and SE participated to buy and sell their study material at 60% of MRP. Book Swap was made strictly digital suppressing the paperwork at all. Data of sellers and buyers was managed with the help of google spreadsheets. Opting for a technical way made Book Swap more efficient and hassle free work for the council. The college management provided necessary requirements.

Wantrepreneurs Meet:

A wantrepreneur is a person who aspires to be an entrepreneur, especially one who never realizes this ambition. Keeping this view in mind a seminar was held by E-cell on 7th September 2018 in the auditorium. Mr. Amit Singh very efficiently delivered his views about entrepreneurship and how the entrepreneurs have to struggle in the initial phase. He assured that all the necessary resources and guidance will we given to the wantrepreneurs by our college.

After the talk by Mr. Amit Singh, Principal Dr.(Mrs.) J. M. Nair interacted with all the enthusiasts present in the auditorium. The students too, equally contributed with their opinions and ideas about entrepreneurship.

The talk motivated the students to come up with their ideas and work on implementing them, as now they have an assured support from college with respect to infrastructure and mentor.

E-Summit 2018:

The annual flagship event of tVEC, a potential platform for budding entrepreneurs of VESIT. As a part of our continuous strives to enhance the entrepreneurial skills of VESITians we organized "E-SUMMIT'18" with a series of exciting event. This week long event was filled with various sub-events which will polished skills and let hone down the key factors for resume.

Events were as follows:

1 . <u>Wall Street Musings</u> :
    Talk by CEO of Codebreak Mr. Sharaang Shannie on 24th March 2018, 3-5pm.

Mr. Shaarang Shannie showered his Entrepreneurship skills and ideas to all the students, about how the market works in the real world, and how one should be one-step ahead of the market by creating mind-bending strategies which would bring about nothing but landslide victory. He called upon students from the audience to volunteer and asked them questions that would make them think out-of-the-box.

2 . <u>Hackathon</u> :
Elims: 23rd March 2019   Finals: 25-26th March (24 Hours)

Hackathon was a flagship event of tVEC E-Summit. It was 24 hours of buzzing where the participants coded their way through real life problem statements. The idea was to provide a space to build cool, path-breaking tech because it's fun. And because it can change the world.

This Hackathon was a team game! Elimination round was held on 23th March during 3 pm to 5 pm. In Elimination round , each team had to solve multiple choice questions set of 25. In total 22 teams participated elimination round.

Top 8 teams were selected for the finale of hackAthon. The Hackathon was of 24 hours. These Hackathon finale was held on 25 march 2 pm to 26 march 2 pm.

Winners were judged based on the following criteria:

- Understanding of the problem statement.
- Utility of the idea
- Uniqueness and innovative skills.
- Potential and Sustainability

3 . Bizcafe :

Elims - 24th March   Finals - 26th March

The event Bizcafe was held on 26th of March 2018 at Afternoon 3:00 pm. Mr.Chirag Dodhiya along with his business Partner - both very successful entrepreneurs, were the judges for the event. There were total 6 finalists from First Year, Second year And Third Year Engineering each with a Business mind and with a unique Entrepreneurship idea had one by one presented their ideas in the form of presentation and prototypes. After presentation of every idea there was a Question/Answer. The judging was based on cost effectiveness, need of the idea, social impact, fund allocation, uniqueness, future aspects and the overall pitching of the business idea. Extremely creative ideas like Share wallets, Human Robots, Traveloperience, Rate.com, Share wallets and more were presented which were very appreciated by The Judges. The event concluded by mesmerising words from Chirag sir where he said that, he expects these ideas to be executed within the next 5 years. The winners were declared by the judges as Team- Share wallets which received a cash price of 2000/- from the Council.

4 . Internship Mela :

Aptitude Test - 22nd March

Interviews - 23,24,26 March

On 23rd, 24th & 25th of March 2018, tVEC organised an event Internship Mela to provide an opportunity for the VESITians to gain industrial experience and build their resume. Internship Mela. This event is an opportunity for companies to connect with ambitious interns. Under this event, firma can conduct an interview with our students for summer internship recruitment drive for S.E, T.E, B.E (CS, IT, ETRX, EXTC, INST) and MCA. 2nd and Final Year Students.

We joined hands with esteemed organizations and helped our students to achieve an internship in their company. The following companies visited the campus:

Day	Sr No.	Company Name	Stipend
1.	i)	BitKraft	5000/-
	ii)	Storymirror	3000-5000/- per month
	iii)	Alchemist	Based on interview
	iv)	Aashansh.org	No Stipend
2.	i)	Codebreak	No Stipend
	ii)	AT INFOTECH	No Stipend
	iii)	NICE Consultancy, Thane	No Stipend
	iv)	Digital Vault Technology Services Pvt Ltd.	No Stipend
3.	i)	Ungeek	5000/-

Research Grant Proposals

	Name of Faculty	Title of Project
1	Abhishek Chaudhari	Robotic Vision based Surface Texture Detection
2	Abhay Kshirsagar	Design of Semi Autonomous Robot for Cleaning Rooftop Solar Panel
3	Mr. Yogesh Pandit	Hand Gesture based control of wheel chair for physically disabled people using Accelerometer
4	Mrs. Sarika Kuhikar	Design and fabrication of multilevel inverter using control technique
5	Mr. Ramesh Solanki and Mrs. Dhanamma Jagli	Footstep Power Generation System in Staircase
6	Ruchi Rautela and Indira Bhattacharya	Location based E- Complaint lodging system
7	Dhanamma Jagli	Predictive analysis of Indian diabetic patients using machine learning
8	Sangeeta Oswal and Rohini Temker	IoT based Water Monitoring and Metering
9	Rohini Temker and Sangeeta Oswal	IoT based Waste Management System: A Step towards Smart City
10	Mrs. Sharmila Sengupta	OCR based automatic Book Reader for the Visually Impaired
11	Mrs. Sujata Khedkar	Automatic Cardiac Image Segmentation Using Deep Learning
12	Mrs. Anjali Yeole	Smart Locker
13	Mrs. Indu Dokare	Autonomous Luggage Carrying Robot using Image Processing

14	Mrs. Vidya Zope	Detection of Cancer cells in Epithelial tissues
15	Mrs. Abha Tewari	Baby Step : Autism Spectrum Disorder (ASD) Early Detection Intervention
16	Mrs. Arthi C I	Automatic Drip Irrigation System For Farmers Using IOT
17	Ms. Sunita Suralkar	Garuda: The Intelligent Ornithopter
18	Mrs. Rupali Hande	Transparent and trackable Donations using blockchain
19	Mrs. Sunita Sahu	Intelligent Classroom : Students behaviour and emotion analysis using Face Recognition
20	Mrs. Yugchhaya Galphat	Real time standalone Air Quality Monitoring System for MSME
21	Mrs. Pallavi Saindane	Traffic Signal Automation using Google Maps
22	Mrs. Sujata Khandaskar	An IoT based Smart Water Monitoring System for Smart Building
23	Ms. Amudha Senthilkumar	Electronic talking gloves for speech disabled people

- **Microsoft Certification**

Microsoft certification at VESIT facilitated by **ATS**. Three different courses were offer **CROSS PLATFORM MOBILE APP DEVELOPMENT, CYBER & MOBILE SECURITY**, and **IoT**. **306** students from institute registered for the course. Three days training was conducted for all three courses. CROSS PLATFORM MOBILE APP DEVELOPMENT had 1 batch of 52 students. IoT had 4 batches of 40+ students each. CYBER & MOBILE SECURITY had 2 batches of 50+ students.

- **Cloudera**

VESIT Collaboration for big data Hadoop training first phase was conducted from 4th September 2018 to 12th October 2018. The course included topics on basics of Hadoop 2.0, its ecosystem, and components, Hive, Sqoop, Flume and Spark. The lab was conducted on the Virtual machine provided by Cloudera. The course was attended by *third and final year students* of the department.

- Dr. Parmeshwar Birajdar (Asst. Prof. In ETRX) delivered a 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

- Dr. Parmeshwar Birajdar (Asst. Professor in ETRX) is one of the Technical Advisor for Automated Multi-Model Biometric Identification System (AMBIS) to be implemented in all police units of Maharashtra state.

'AAYAM'- Exploring New Dimensions

Mr.Brian Curtis, President of International Society of Automation (ISA) USA addressed the students and faculty of various colleges in the technical event **'AAYAM'- Exploring New Dimensions** organized by ISA-VESIT in collaboration with ISA Maharashtra-section at V. E.S.Institute of Technology, Chembur on 29th Aug, 2018. Mr.Vithal Magar, President of ISA-Maharashtra; Mr.Ramani Iyer, Vice President, Asia Pacific District of ISA; Mr.Brian Curtis, President of ISA; Shri. B.L. Boolani, Managing trustee of V.E.S graced this occasion.

AICTE-ISTE Approved Short Term Training Program on "Biology for Engineers"

(STTP conducted from 2nd July to 6th July, 2018)

Department of Instrumentation organised a week long Short Term Training Program on 'BIOLOGY FOR ENGINEERS'. The course objectives were to study the combined principles of biology and tools of engineering to create usable, tangible, economically viable products. This course was designed to provide an introduction to that interface, presenting biology from an engineering perspective.

The lectures were conducted by six eminent professors from the 'Department of Biosciences and Bioengineering', IIT-Bombay. Lectures were conducted every day in morning and afternoon sessions. The STTP kick started with a warm welcome and motivational speech by our Principal Madam **Dr. J.M. Nair**. The first day sessions included modules on 'Biophysics' and 'Movement science and rehabilitation engineering' conducted by **Dr. Ambarish Kunwar** and **Dr. Neeta Kanekar** respectively. Second day sessions were based on 'Introduction to cells and cellular processes' by **Dr. Kiran Kondabagil** and 'Tissue engineering' by **Dr. Prakriti Tayalia**. Third day was a continuation to the 'Biophysics' module by **Dr. Ambarish Kunwar** followed by an interesting session on 'Stem cells and Cancer' by **Dr. Shamik Sen**.

The highlight of this STTP was the visit to the technologically rich labs of the Department of Biosciences and Bioengineering, IIT-B, on the fourth day. Participants got to see the working and visual representation of BIO-AFM facility, Confocal Laser Scanning Microscope and FACS (Fluorescent Activated Cell Sorting) facility. This was followed by an engaging session on 'Nano-Medicine and Drug Delivery' by **Dr. Rinti Banerjee**, Head of the Department of Biosciences and Bioengineering. **Dr. Kiran Kondabagil** and **Dr. Ambarish Kunwar** were with us again on the last day to go over the topics of 'Understanding Viruses' and 'Role of Entropy in determining protein structure' respectively.

The STTP ended on a high note with **Dr. Ambarish Kunwar** interacting and sharing his experiences with the participants followed by the Valedictory function.

One Week FDP on "Deep Learning and Artificial Intelligence" in collaboration with E-summit IIT Roorkee, Finland Labs

One Week FDP organized by Department of Computer, Information Technology and Master of Computer Application, VESIT in association with E-summit IIT Roorkee Finland Labs from 2nd July 2018 to 7th July 2018.

Total 60 participants were registered from various institutes for the same. Participants of Faculty Inauguration session was held on 2nd July 2018 in Room No. 523 at VESIT. The Convenors and the speaker, Mr. Venkat L. Raju, Data Scientist, Igebra Inc., Hyderabad, India inaugurated the session by lightening the lamp followed by speaker introduction.

Day 1 session was started with the basics of Machine Learning and Artificial Intelligence. Machine Learning algorithms and its applications were discussed in the post lunch session.

Day 1 session was started with the basics of Machine Learning and Artificial Intelligence. Machine Learning algorithms and its applications were discussed in the post lunch session.

Day 2 started with Neural Network concepts and Deep Learning. Speaker discussed about the flow of Artificial Neural Network architecture, various algorithms and its benefits. He also mentioned about the applications of neural network in solving real world problems. In the post lunch session, Convolution neural network of Deep learning was explained clearly stating that how the features are extracted from the images to train the network. FDP Session on "Neural Network and Deep Learning" Day 3 to Day 5 sessions were conducted in Lab 506.

Day 3, Basics and object oriented concepts of Python programming language was practiced.

Day 4, different machine learning algorithms such as classification and clustering were executed with various case studies using Spider notebook of IDE Anaconda version 3.5.

Day 5 started with the Tensor Flow software installation, followed by the practice of Deep Learning algorithms. Practice Session on "Machine Learning and Deep Learning" at Lab 506, VESIT Day 6 was conducted by Mr. Richard Joseph, Faculty, VESIT. He explained machine learning pre-processing concepts and execution of algorithms such as Apriori, k-means and Decision Tree using the resources from Super Data science web source. Finally, session concluded by saying vote of thanks from course coordinators.

VESIT- NI LABVIEW Academy : Report on "LabVIEW Core 1 and Core 2 course"

Coordinator: Mrs. Kanchan Chavan

Under NI LabVIEW academy in collaboration with National Instruments (USA), training programme on "**LabVIEW Core1 and Core2 course**" was conducted from **2th July to 9th July 2018**. **4 Students** participated in this course.

The **course contents** were-

LabVIEW Programming Environment: components of LabVIEW, data flow, Troubleshooting and debugging VI, Implementing a VI: Data Types, documenting code, while, for loops, Timing a VI, iterative data transfer, plotting data, structures, relating data: arrays, clusters and type definition, common design techniques and patterns: sequential programming, state machines architectures, events, timing a design pattern and event programming, Data management techniques: Communicating among multiple loops: variables, functional global variable, rare condition, synchronizing data transfer, File I/O techniques: Low high and advanced, Data Acquisition and interfacing instruments: hardware setup, software, measuring analog input, generating analog output, instrument control: using GPIB, serial port, software architecture, Instrument I/O assistant, Visa and instrument drivers.

An *industrial session with Oracle*

An *industrial session with Oracle* to expose its students towards growing innovation in industry and importance of technological innovation in market. The guest speaker for this session was Mrs Divya Singal from L&T Infotech on the 24th February 2018. Students were introduced to the fact that the world is going to digitize more and more with time and technologies like AI, Blockchain, etc are the most trending ones. Covering different case studies all focusing on how technology can be used to solve real life problem faced by society. The session portrayed how different genre of engineering including IOT, IT, Mechanical etc come together and blend to form a technology.

Expert Lecture on "Adoption of Digital Technology in Industry", Mrs. Divya Singhal, L&t Infotech.

The Google CrowdSource Seminar, held on the 5th March 2018 under Google CrowdSource Community (GCC) Mumbai focused mainly on what the community is all about and how vesit students can be part of this community by contributing online to the community. Along with this the seminar gave an inquisitive information about various meetups, seminars that take place throughout the year by this community under the guidance of Google Developers Group, Mumbai. The host Mr. Ali Mustafa, Chief Technical Officer, Students Connect & Google Crowdsource Mumbai POC.

Degree Distribution Ceremony 2017-18

Degree Distribution Ceremony

The Degree Distribution Ceremony for the graduating students of VESIT took place in two phases: on 16 February 2019 (INST, EXTC, ETRX) and on 23 February 2019 (IT/MCA/CMPN).

Department of Electronics:
The Degree Distribution Ceremony for the Department of Electronics was held on 16th February 2019. The Chief Guest was **Mr. BipinKumar Shah, General Manager (Liaison & Coordination) and CPIO, Bharat Petroleum Corporation Ltd.**

Department of Computer Engineering:
The Degree Distribution Ceremony for Department of Computer Engineering was held on 31st February 2019. The Chief Guest for the ceremony was **Mr. Vishal Prabhukhanolkar**, Principal Technical Project Manager at Amazon. He is also a VESIT alumnus from the batch of 2003 from this department.

Department of Instrumentation:
The Degree Distribution Ceremony for Department of Instrumentation was held on 16th February 2019. The Chief Guest for the ceremony was **Mr. M.B. Joshi, Vice President and Head of Group (Electrical and Instrumentation) of ThyssenKrupp Industrial Solutions (India)**

Department of Electronics and Telecommunication:
The Degree Distribution Ceremony for the Department of Electronics and Telecommunication took place on 16th February 2019. The Chief Guest for the ceremony was **Ms. Anita Karnik, Assistant Vice President, SBI Capital Market Limited, who is also an alumnus of VESIT.**

Since 1962

Department of Information Technology:

The Degree Distribution Ceremony for Department of Information Technology was held on 23rd February 2019. The Chief Guest for the ceremony was **Devesh Rajadhyax, FOUNDER and CEO, CERE LABS**. and an innovator, communicator, leader and has 20+ years veteran in technology products.

Department of Master of Computer Applications:

The Degree Distribution Ceremony for the Department of Master of Computer Application was held on 23 February 2019. The Chief Guest was **Mr. Samir Patankar, CEO, Network Marvels.**

Annual Prize Distribution Ceremony

Annual Prize Distribution Ceremony was held on 16th March 2019. *Mr. Amit Rambhia Chairman, Managing Director and Executive Director at Panache Digilife Limited* graduated from VESIT in 1996 (EXTC Branch), was the Chief Guest of the function. Shri. Amar Asrani , Secretary, VES and Shri. Suresh Malkani, Treasurer, Dr. Prakash Lulla (Member VES Managing Body & Shri. Vijay Talreja , President , VESITAA addressed the students.

Alumni Interaction

Alumni Mixer was organised on 5th Sept 2018 at The Wild Orchid , Chembur. Batches of 1984 – 1990 were invited.

ALUMNI MEET 2018 -19

The VESIT Alumni meet was organized by VESIT Alumni Association (VESITAA) on 15th December 2018 in VESIT campus from 6.30 pm onwards. 220 alumnus participated in the event. This year Mr. Amit Rambia (EXTC 1996) and Mr. Vivek Arora (ETRX 1993) awarded as Distinguished Alumni Award

Mr. Amit Rambia : (EXTC 1996)

Mr. Amit Rambhia has been Chairman, Managing Director and Executive Director at Panache Digilife Limited since February 17, 2017. Mr. Rambhia serves as the Chief Executive Officer of Embedded Division at Vardhman Technology Private Limited. He has been Managing Director and Director of Panache Innovations Limited since February 21, 2016.

Mr. Vivek Arora : (ETRX 1993)

After graduation from his Electronic Engineering from VESIT in 1993, Vivek Arora started his career as a software developer with Citicorp. In early 2004, Vivek decided to venture out on his own set up an high end outsourcing company, Adventity with a team of professionals including Niket Patankar- Vivek's classmate from VESIT.

In 2010, Adventity was acquired by a US head quarter leading BPO firm-Sutherland Global Services for 5$55M. Vivek Now runs all large deals and the Retail, Travel & Hospitality verticals for Sutherland Global Services and operates from Singapore, Dubai or Mumbai. Adventity created about 3500 jobs, including hiring Engineers and MBAs.

He's now keenly looking at opportunities to set up another venture, perhaps one which will have larger social impact.

A music band by Mr. Praveen Chauhan performed as an entertainment program. There was a selfie booth open for all where photos using different props could be taken. Two desks namely an Alumni desk and a SORT desk were arranged where the alumni were appealed to contributed towards providing scholarship to the needy and worthy students of VESIT.

Alumni Achievements

- **Siddharth Ladsariya**
  Director at Everest Flavours Ltd

AsiaOne's 40 Most influential Leaders Under 40 2017-18.

- **Amit Haware (EXTC 2007 Branch)**
CEO & Joint MD at Haware Properties

Hon'ble **Chief Minister of Maharashtra Shri Devendra Fadnavis** awarding <u>Intelligentia by Haware</u> as **Most Iconic Themed Project at <u>MiD DAY</u> Real Estate Awards** for creating Intelligent Spaces in Mumbai.

Hon'ble Housing Minister Shri Prakash Bhai Mehta awarding <u>Intelligentia by Haware</u> as the **Most Iconic Themed Project in Mumbai at Times Realty Icons 2018**

- **Mrs. Richa Haware (ETRX 2007 Branch)**
CEO, Founding Member, Rajkumari

Best Bridal Wear Designer and business leader 2018 at WOW Business & Fashion Awards 2018.

Since 1962

STUDENTS EVENTS

PRAXIS   2018

Praxis is the annual techfest of Vivekanand Education Society's Institute of Technology, and its 2018 edition was conducted on the 26th - 27th September 2018. This year's edition was organized by the VESIT Renaissance Cell (VRC) in collaboration with all the technical societies in VESIT. Technical skills were honed, minds were intrigued, questions were answered and an overall coherency of technical thoughts was cohesively attained.

Sketch the Thought.   This arena for innovative thought was provided on 26 Sep 18 where participants were encouraged to play with their innovations. Surely it makes sense that the more ideas we have, the better our innovation track record will be. Each group of 3 to 4 participants were subjected to a litmus test for two rounds culminating in a presentation (of maximum six slides) that showcased their innovations.

VESRC.   This event was incepted with the aim of venturing into the inevitably intangible world of mechanised culture for the benefit of humankind. Each team of four would produce one Autobot and one Manual Bot. The initial task comprised of controlling the manual bot to place determined objects on the autobot on a specified track that was disclosed to the respective team(s) a couple of days in advance. Autobots and manual bots were provided and the choice of getting their own bots was left to the discretion of the respective teams.

Robosoccer.   This event was strategically induced to satisfy the raging football fever that is sweeping the globe. Teams controlled their respective bots to score maximum goals against the other, in an arena that was perched on a see-saw. The final knockout followed the victorious path against the initial 12 qualifying teams displaying exceptional psychomotor skills in controlling bots.

Track o Mania   The perennial child within was satisfied by this age-old event, suitably metamorphosed by time. Obstacles were placed on the track where races were conducted within a stipulated period of time. It was a sight for the participants as well as the onlookers, for whom, '*Fast and Furious*' simply degenerated into an etching of the past.

Bridge the Gap   This was an event exclusively for FE with 2 to 3 members in each team, from the same class. The aim was to construct a sturdy miniature bridge from ice cream sticks and glue. The load bearing capacity was checked at the end which determined the best bridge amongst all.

Science Quiz   Now, what is a fest without a quiz, right? It is a staple ingredient to quench the thirst which is inherent in all evolving minds. Each team comprised of 3 to 4 members. Each team was subjected to three levels where knowledge, memory and speed were subjected to rigorous tests. There was a 'Final Problem' to segregate the developed minds from the developing minds.

20 Seconds to Go   This event was incepted with the sole quest for the best individual in analytical and reasoning capabilities encapsulated within a logical presentation of thought. Each participant was given a topic on-the-spot with half an hour to fabricate a presentation on the topic. The type / modality of presentation was left to the prerogative of the participant.

Weave the Web.   In this competition, each team of three members was directed to weave a web within a period of 4 hours. The theme was 'Smart Services' for participants of SE, TE, BE and MCA.

Hardware Treasure Hunt.   This team event, with 4 to 5 members per team was aimed at SE, TE and Final Year students, where, a hardware based treasure hunt was conducted to test the entire gambit of technical skills. It included five elimination rounds inclusive of puzzles, hardware implementation and simulation.

Road Show.   This was a team event which was conducted in two rounds. It commenced at selection of a technical issue from a predetermined list of problems. Each team was given four days to submit their respective ideas. Based on the results, teams were selected for round II, where fabrication of prototypes for optimal solution of their respective topic(s) was desired within three days. Creativity and efficiency was the discerning factor where an implementable prototype was chosen over the aesthetically pleasing one.

Film It.   This event was aimed at honing skills of participants for making of short films. Each team comprised of two members. The event was spread over two phases viz. Workshop and application. The first phase included a video editing workshop from scratch, to familiarize the participants with the available software.

Case Closed.   With the mandated employment of software and technology for solving crimes in today's world, this event was aimed at systemic-analysis-and-problem-solving. Each team comprised of three members. *Morpheus* was made to stand at the end of a maze, while *Neo* and *Trinity* entered the maze. *Morpheus* solved a set of riddles

PRARAMBH

Prarambh is an event hosted for welcoming the freshers of the undergraduate and MCA courses. The theme of this years Prarambh was "Snapping into Action". The event was scheduled on 31st August 2018 from 9:00 am to 4:30 pm. It started with the event Treasure Hunt and literature events followed by various performing art events like artists assemble, personality contest, group dance etc.

•ILLUSION

Illusion is a cultural festival, where the participants in every team are from various departments. There are 6 teams. Each team comprises of a team leader along with managing heads for various portfolios such as dance, drama, music, sports, literature, aesthetics and visual arts.
Each team consists of 51 members (Including the leader) from all the four years including MCA students. Illusion is all about performing and growing together and has been the most awaited event for each and every Vesitian. The team that excels in score putting together the points scored in all the portfolios is awarded with the "Best Team" title.

•UTSAV

Utsav is an annual college event conducted in March. In Utsav the events are conducted branch wise.These competitions are conducted for Juniors and Seniors separately.The Junior group consists of FE and SE while the Senior consists of TE and BE.

During Utsav, the students who have participated in inter college events are felicitated and given awards. During Utsav the council conducts more than 30 events based on literature, Dance, Music, Drama, Art, Technical knowledge, Speaking skills,etc. UTSAV is one of the

most awaited event of the year as it consists of days such as Traditional day,Branch day,Suit day,Chocolate day and Mismatch day.

Utsav is the last cultural event wherein students showcase their talent and collect memories that they will cherish forever.

INDOOR GAMES "SPHURTI"

In Indoor Games Sport festival, Spurti, the following indoor games were included in the competition.

Badminton , Carrom , Chess , Darts , Table Tennis

- **The Short Film competition during VESLit Week - 2018**

The following teams ranked in the top three places in the Short Film Competition, held by Union Bank as part of VesLit Week of 2018. The theme for the competition was "*Swachha Bharat*". Congratulations to both the teams for their commendable efforts.

- **Vaachan Prerna Diwas Celebration**

On the occasion of former president Dr. A.P.J. Abdul Kalam's birth anniversary, October 15, the state government urges all the schools, colleges and offices to observe 'Vachan Prerna Divas' (Inspire to Read Day). Claiming that technology and gadgets have almost taken over the habit of reading, the government urges educational institutions to develop ideas and programmes to, once again, cultivate the habit of reading among youngsters.

Our institute has been celebrating Vachan Prerna Divas since 2013. The government leaves it upto the institute to organize different events to promote reading. Hence the VESIT library has come up with the idea of giving a set of awards to few of the best users of the library. The software that the library uses, tracks the number and type of transactions issued by each and every student of the college. Based on this data, the library staff announces the names of three of the best users after every three months.

This year, the best library users were awarded certificates by Mr. Aman Asrani, Secretary of Vivekanand Education Society and Mr. Suresh Malkani, Treasurer of Vivekanand Education Society. The details of the winners are:

Ms. Saylee Saindane- Best User (Jan-March, 2018)
Ms. Aruna Shaju- Best User (Jan-March, 2018)
Ms. Manisha Valecha- Best User (July-Sept, 2018)

• Book Exhibition

To inculcate the habit of reading in students, a book exhibition was organized in the VESIT library on 26th September, 2018 from 10 a.m. to 5 p.m.

• Surgical Strike Day

Surgical Strike happened on 29 September, 2016. In a letter to universities and higher education institutions across the country, the University Grants Commission (UGC) on Thursday asked them to observe September 29 as "Surgical Strike Day" and encourage students to pledge their support for the armed forces. VESIT celebrated "Surgical Strike Day". A book stall was set up on the ground floor of the main building. The students were asked to pledge their support for armed forces by writing letters and making greeting cards which could be in either digital or physical format.

The Change Begins with You

Keeping this phrase in mind, the SoRT VESIT organized a dustbin awareness drive in the college on the occasion of Gandhi Jayanti
  and the Swachh Bharat Mission Day.
The winning teams of the competition were:
1. **Sanika Nikam , Atharva Patil , Aditya Kadam , Aditi Zhanka (D3)**
2. **Priyal Danani, Jaspreet Kaur, Prateek Gupta,P- awan Shadija (MCA 1M)**
3. **Shubham Gupta, Sakshee Rode, Aniket Ingle, Mansi Kasar (D4B) and D2A**

VESIT SoRT

List of Activities:

1 .Kerala Donation Drive: 21st August, 2018

SoRT VESIT in collaboration with the VF foundation, Wadala, contributed to the movement *'Rise for Kerala, Stand for Kerala.'* It was a three day donation drive with the primary objective of lending a helping hand to hundreds of thousands of people who lost their beautiful livelihood in the blink of an eye.Basic necessities like food, clothes and medicines were donated in enormous quantities.

2. Traffic Monitoring For Janmashtami: 3rd September 2018

SoRT VESIT collaborated with the Chembur Traffic police and Chembur Welfare Brigade on the auspicious occasion of Janmashtami for monitoring traffic at the bustling Chembur Naka.

1.   **UMEED 18 : 5th - 11th September 2018**

SoRT VESIT collaborated with various NGOs' and sold their products on desks across the college. This year SoRT collaborated with :-

NASEOH, Chembur
Self Esteem, Airoli
We Change, Thane *Aseema*, Bandra
Balanand, Chembur
Kshamata, Thane *RUR*, Mahim
Snehalaya, Thane

4. Traffic Monitoring At R.K Studio For Anant Chaturdasi: 20th September 2018

SoRT VESIT in collaboration with the Chembur Welfare Brigade conducted traffic monitoring at R.K Studio on the occasion of Anant Chaturdashi. More than 40 students from VESIT volunteered for this, including members from SoRT VESIT and other students.

5. Mock Fire Drill: 16th October, 2018

SoRT VESIT in a collaboration with Freedom4u foundation and organized a safety drill in our college.

This initiative taught us many essential skills of disaster management, and about how we can avoid casualties by acting in a calm, composed and organized manner.

6. Blood Donation Camp: 22nd February, 2019

Every drop of blood counts and could be integral in saving countless number of lives. SoRT VESIT in association with Hashu Advani Memorial Trust collaborated with the doctors of JJ Hospital and Raktapedhi to organize a blood donation camp in VESIT. An overwhelming 210 students and staff registered for blood donation out of which 162 were eligible for donating post the hemoglobin and blood pressure tests that were conducted.

All the donors were felicitated with a certificate and a token of appreciation for their invaluable contribution towards society.

7 . NGO Visit

The SoRT council has planned to visit an NGO and interact with the students and elders, organizing fun events for them, bringing a smile upon their faces.

8 .Awareness Camp

A social awareness camp in the form of a street play has been planned by the SoRT council during march which is going to envelope voting statistics and how important it is for every citizen to cast their votes to bring about a positive change in our country!

Report on International Yoga Day Celebrations held on 21ˢᵗ June 2018, Thursday at Vivekananda Education Society's Institute of Technology

Dr. P.P. Vaidya started the session by introduction of Yoga and given brief information of various asasna's.

Around 110 students and staff from all the streams of V.E.S. Institute of Technology were part of this event.