



Vivekanand Education Society's Institute of Technology

Department of Computer Engineering

Message
from
Department

Faculty
Contributions

Industry
Interaction

Student
Portfolio

परिख्य

A computation of
dreams
Issue 5

HOD: Dr. Nupur Giri

Since 1962

The Editorial Team



Dr. Gresha
Bhatia



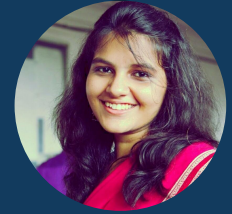
Mrs. Sujata
Khandaskar



Piyush
Mantri



Shripad
Laddha



Juhi
Bhagtani

Message from the Department



Mr. Prashant Kanade

"Keep yourself involved if you want to be Empowered"

We are very lucky to be part of this Institute which is one of the leading and fast growing Institutes in the country. We are involved in many events at VESIT (brand name) directly or indirectly. This involvement allows us to keep trying out the things to achieve success every time.

I would like to confidently share through my experiences at VESIT that this habit of doing things has built a go getter kind of personality. If we are involved, we will definitely apply our knowledge.

"So my dear friends, "Do not hesitate to be part of any activity".

Applying a knowledge does not mean that you are a great scientist or a philosopher. If we apply knowledge and learn from the failure, that will be a guiding tool for journey towards excellence.

We at Computer engineering Department insist our students to apply Engineering knowledge efficiently. This attitude is responsible to meet our goals. I am very sure that everyone in this department has built a trust with this esteemed institute.

I am glad to be a host this very new edition of **"Parikhya"**. This new edition maps all the outcomes we planned since past few months. The counter of activities where we are involved all our students and teachers is increasing day by day. Every stakeholder feel empowered in this department as well as in this institute. All reports presented here motivates all of us. I am also happy to see the creative presentation of this edition by the students and staff who have taken efforts for this edition.

We always dream Big and we also carry out analysis of dreams accomplished. We all at Computer Department are happy to represent this computation of our dreams in this wonderful issue of **'Parikhya'**.....

Our Vision

To reach international standards by empowering students with computing skills and cutting edge technology.

Our Mission

To sustain excellence in teaching and research and create centre of excellence. To provide broad Educational and Research experiences through interdisciplinary and industrial collaboration programs.

To prepare students to enter the world of computing and make them ready for productive employment in the public or private sectors, enhance their entrepreneurship skills and motivate them to pursue advanced degrees.

Program Educational Objectives

- I. To provide students with a solid foundation in their core concepts of mathematical, scientific and computer engineering and fundamentals required to comprehend, analyze and design solutions for real life problems.
- II. To inculcate in students, a balanced outlook with professional and ethical attitude, develop effective communication skills, teamwork and leadership qualities with multi disciplinary approach.
- III. To prepare students to excel in postgraduate programs through an excellent academic environment and make them ready for productive employment in the public or private sectors, provide lifelong learning experience.
- IV. To provide broad educational and research experience through interdisciplinary and industry programs.

Program Educational Outcomes

PO1 (a) Basic Engineering knowledge: An ability to apply the fundamental knowledge in mathematics, science and engineering to solve problems in Computer engineering.

PO2 (b) Problem analysis: Identify, formulate, research literature and analyse computer engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and computer engineering and sciences.

PO3 (c) Design/ Development of Solutions: Design solutions for complex computer engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

PO4 (d) Conduct investigations of complex engineering problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

PO5 (e) Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

PO6 (f) The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to computer engineering practice.

PO7 (g) Environment and Sustainability: Understand the impact of professional computer engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

PO8 (h) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of computer engineering practice.

PO9 (i) Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

PO10 (j) Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

PO11 (k) Project Management and Finance: Demonstrate knowledge and understanding of computer engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 (l) Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Program Specific Outcomes

PSO 1. Professional Skills: The ability to develop programs for computer based systems of varying complexity and domains using standard practices.

PSO 2. Successful Career: The ability to adopt skills, languages, environment and platforms for creating innovative career paths, being successful entrepreneurs or for pursuing higher studies.

Faculty Contribution

Faculty Development Programme



"IT Innovations", One Week ISTE approved Industry Oriented Workshop conducted in collaboration with Capgemini, SAP Labs and Foslipy from 5th January 2017 to 11th January 2017

Courses Attended

IT INNOVATIONS
 Attended by
 CMPN Faculty
 organized by
 VESIT
 MCA,CMPN,IT
 Departments
 at
 Capgemini Airoli
 campus
 5-11th Jan 2016

**Faculty
 Interaction Meet**
 Attended by
 Dr. Gresha
 Bhatia,
 Manisha Gahirwal

 at
 TCS Premises,
 Thane
 10th Feb 2017

**IOT
 Workshop**

 Attended by
 Priya R.L
 Lifna C.S

 at
 Microsoft Campus
 1st April 2017

**Education's
 Digital
 Transformation**

 Attended by
 Dr.Nupur Giri

 at
 Accenture Ltd,
 Mindspace
 6th April 2017

**UX Design
 Training**

 Attended by
 Manisha Gahirwal
 Training program
 by
 IOXTD
 in association
 with
 Mr. Nitin Verma
 8-9th April 2017

Minor Research Grants

Faculty	Granted by	Amount	Year of Grant
Dr. Nupur Giri	Minor Research Grant, Mumbai University	₹ 20,000	Jan 2017
Lifna C.S.	Minor Research Grant , Mumbai University	₹ 23,000	Jan 2017

Research Paper Publications

More than 46 research papers have been published by the faculty members of the department in international and national level journals and conferences of repute.

Research Forum : Expert Talk

An expert talk on " Big Data Hadoop " was conducted on 31st Jan. 2017 (Tuesday) by Mr. Suyog Nagaokar, Associate consultant, Teradata.

Syllabus Setting of UG and PG Courses

6 faculties of the department are involved in the syllabus revision panel - 2016 for UG and PG courses of Computer Engineering, affiliated to University of Mumbai.

Quality Improvement Programme (QIP)

Prof. Prashant Kanade registered for Ph.D. at Jaipur, Singhania University and has completed his course work on 14th Oct 2016.

Prof. Gresha Bhatia was conferred the Ph.D. Degree in faculty of Technology by Mumbai University in the month of February 2017.

"Instruction Scheduling"

Dr. Y N Srikant, IISc
17th March 2017
For 3rd Year Students

"Design of Everyday Things"

Don Norman, Carnegie Mellon University on 21st Jan
2017
For Final Year Students

"Line Clipping"

Prof. Sukhendu Das
IIT Madras
24th March, 1st April 2017
For 2nd Year Students

"Garbage Collection"

Dr. Y N Srikant
IISc Bangalore
11th Feb, 2017
For 3rd Year Students

"Living with Complexity"

Don Norman, Carnegie Mellon University
3rd April 2017
For Final year Students

"Disk based Data Structures"

Prof. Naveen Garg, IIT Delhi on 5th, 7th April 2017
For 2nd Year Students

NPTEL

Industry Interactions

'Architecture and Framework' for NGN and IoT'

Mr. Subhodh Gajare, Cisco
10th Feb 2017
for Third Year Students

'Power Business Intelligence'

Mr. Narendra Angane and Mr. Mahendra Prasad Dubey
Microsoft, Mumbai
on 25th Feb 2017
for Third Year Students

'Applications in ML'

Ms. Shubhangi Shrikende, BARC
9th March 2017
for final year students

'Internet of Things'

Mr. Nishikant Joshi, TCS
14th March 2017
for Second Year Students

'Block Chains'

Dr. Abel Sanchez, MIT,
Geospatial Data center,
Cambridge Massachusetts
7th April 2017
for Third year students

INDUSTRIAL VISIT

Industry visit was conducted on 9 January 2017, to Capgemini, Mindspace, Airoli campus and Workshop on AngularJS at Capgemini



Student Portfolio

Workshops/ Seminar Conducted



13 students attended a workshop on Workshop on Data Integration and Business Intelligence with Pentaho and Hadoop which was conducted from January 05-10, 2017 in collaboration with Asterix Solutions and Nilesh Bane, Ascendtech System Pvt. Ltd.

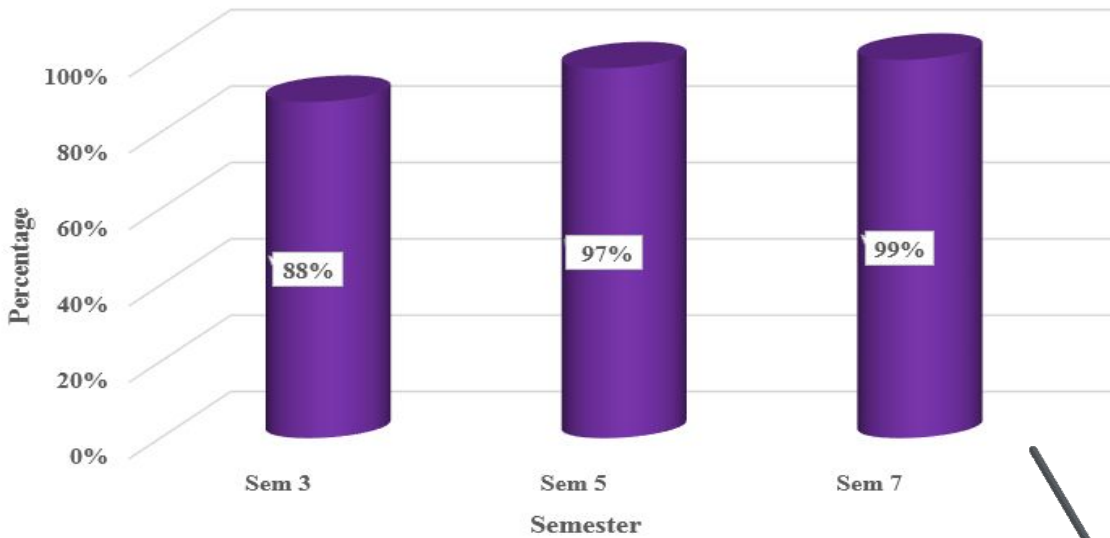
19 students participated in a 1 day Data Privacy Awareness Campaign conducted on the 2nd of February, 2017.



40 students of 3rd year attended a workshop on Hands on "IoT with Raspberry Pi". It was conducted by Mr. Narendra Angane and Mr. Mahendra Prasad Dubey Microsoft Ltd, at their Kalina campus, Mumbai on 1st April 2017.

Achievements

**Computer Engineering CBSGS Pass Percentage
Odd Semester Results 16-17**



Placement Statistics

- 81.86% of the eligible students have been placed.
- 15 students received more than one job offers.
- Sagar Palao and Abhishek Shetye are placed in Morgan Stanley with salary of 15.5 Lakh/annum

Placement related activities

- 15 placement related seminars and expert sessions were conducted for second and third year students in the months of January to March by representatives of companies such as TISS, BARC , TCS , students placed in JPMC, Morgan Stanley, Nomura, IVP , SAP lab and placement co-ordinators .
- Finishing school for the subject of DBMS was conducted by Prof. Manisha Gahirwal for the third year students.
- 4 aptitude tests were conducted comprising of tests on Quantitative techniques, Logical reasoning, Verbal Ability, tests combining the various techniques for the third year students .

Competitive Exams

Competitive Exam	Students appeared
GRE	51
GATE	16
CAT	18

Extra Curricular Activities

Inter College
Drama

Akshit
Batheja

2nd prize

Organised By
VESIT

Date
9 February
2017

Mindbenders
Inter College
Quiz

Tejas Mankar

2nd prize

Organised By
KJ Somaiya
College of
Engineering

Date
9 February
2017

Manzar'17
Inter College
Drama

Prasanna
Sharma

1st prize

Organised By
ICT

Date
9 February
2017

Inter College
Drama

Prasanna
sharma

1st prize

Organised By
VESIT

Date
9 February
2017



Project Innovations-Technology Day

spRdh (स्पर्ध)

Engage, Perform and Compete through Project Ideas



In this event second year students have exhibited their innovative ideas.

They were mentored by the faculties for two semesters to culminate into a product and this event was judged by Mr. Nilesh Bane, Deloitte India Pvt. Ltd.



Winners

1st

1.Kajal Chawla,
2. Bhavik Dand,
3. Aditi Sawant

2nd

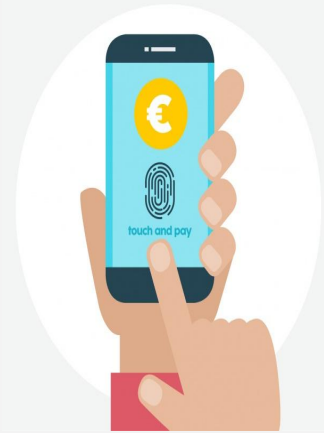
1.Pooja Bhatia,
2.Pratik Watwani

3rd

1.Umesh Ramchandani,
2.Shubham Parulekar,
3.Sagar Raisinghani,
4.Dhiraj Sajnani, 5.Amit Bahreja

Sr. No	App Name	Student Name
1	PIXEL DRAWER	Sagar Vaswani
2	Lets Complete in	Harsh Gupta, Nirbhay Pherwani
3	VESIT-Library	Mayuri Kate, Anisha Lalwani
4	Go+Calci	Neeraj Jethnani, Juhi Bhagtani, Aishwarya Chandak
5	Find It	Himansh Kumar, Mohnish Katware, Shripad Laddha
6	AttWatch	Pavan Chhatpar

App Launch



BE Project Competition



In this event 15 project groups of BE, CMPN exhibited their final year projects.

It was judged by Ms. Sayali Yewali, Founder and CEO of Fosliply Pvt. Ltd. and Mrs.Lekha Menon, TCS, an ECM Architect.



Winners

1st

1.Aishwarya Kourani
2.Akshit Batheja
3.Ekta Sirwani
4.Maaz Sirkhot

2nd

1.Pooja Gogia
2.Priya Hinduja
3.Anisha Kakwani
4.Lokesh Kukreja

3rd

1.L. Sowmyasree
2.Shivani Bhat
3.Chirag Dixit
4.Harishkandan Somasundaram



Buzzpro'17 was an opportunity to explore, investigate, analyze the experience of writing a technical paper.

10 teams from TE presented their papers in this event. They were selected among 21 papers, judged by Mr. Nishikant Joshi, TCS .

Technical Paper Contest Buzzpro '17

WINNERS

Ist	2nd	3rd	Best Presentation	Best Innovation	Best Innovation
Sentiment Analysis: Introduction Applications and Approach.	Sentiment and Emotion Analysis on WhatsApp and Chats	Phishing Detection and Prevention Techniques	Predictive Analysis of World University Rankings	Device Turns Air Pollution Into Ink	Preventing Copyright Infringement of Digital Audio Content
Pooja Bhatia, Pratik Watwani DI2C	Ankit Shaw, Pratik Nichat DI2C	Shreya Narsapur DI2B	Yash Jahagirdar DI2B	Swastika Thakur, Shruti Sindhi DI2C	Yash Chetnani DI2A



Scholarships Received

Total number of students : 34

Received scholarships from :

1. India Bulls
2. Tata Scholarship
3. VES Education Fund
4. Geeta Israni Foundation Scholarship
5. Suman Ramesh Tulsiani Charitable Trust

Industry Internship

Total number of internships : 49

L&T Infotech, Hindalco Industries Limited (Aditya Birla Group), Reliance Industries Ltd, Tranzlease India Pvt Ltd, DSP BLACKROCK, Hindustan Petroleum Corp. Ltd., Hindustan Aeronautics Limited, Senergy Intellutions, Uber India Systems Pvt Ltd, Atlantic Designs, Bhabha Atomic Research Center, Capgemini Pvt. Ltd., Tata Consultancy Services, IT Mightys, Edelweiss Tokio

Awards and Laurels (2016-17)

1. Nirbhay Pherwani (D17A) and Harsh Gupta (D17A) have been declared National level winners in the category of customized product solution, Make in India: Hackathon competition held on 29th January 2017 at IIT Mumbai.
2. Himani Shah, Vinita Rane, Benita Jeyakumar, Jayesh Nainani (D17A), mentored by Dr. Nupur Giri, secured 1st prize in poster presentation competition conducted by Eighth Indian Youth Science Congress for their project titled "*Drought Prediction and Management using Big Data Analytics*". The event was held during 16-18 February, 2017.
3. Deepesh Bathija, Apoorva Mahale, Chetan Rawool, Dinesh Tolani (D17 C), Mentored by Prof. Kajal Jewani, secured 1st Prize in poster presentation competition conducted by Eighth Indian Youth Science Congress for their project titled "*Lung Cancer Detection using Image Data Analysis and Machine Learning*".
4. Nishit Ahuja (D7) along with Kiran Parte, Piyush, Ajit, and Kedar (D14 EXTC) received second prize at National Level Project competition at SAINTGITS College of Engineering, Kottayam Kerala. on 14 February 2017.
5. Project Titled "Secure Communication Between Nodes based on Mutual Authentication and Dynamic Variable Cipher" of Sadaf K Ahmed (D17A), Sneha Sahijwani (D17A), Kirti Madhwani (D17A), Pooja Talreja (D17A) won 1st prize and Rs. 5000 cash in Inter collegiate project competition organized by IETE -DMCE student forum on 1st April 2016 at Datta Meghe College of Engineering campus.
6. Shashank Salian, Pranav Ganorkar, Dhiren Serai, Aditya Suresh for the project titled "Real Time Sign Language Recognition and Translation", secured 4th position at State level project competition at SPIT, held on 15th - 16th Feb 2017
7. Out of 181 proposed ideas of E-yantra ideas competition VESIT team comprising of Ms. Manisha Mandal (D17C), Ms. Madhura Katageri (D17C), Ms. Mansi Gandhi (D17C), Mr. Navin Koregaonkar (D17C), mentored by Prof. (Mrs.) Sharmila Sengupta was shortlisted and won in the category of "Most Realistic Project" held on 11th and 12th April 2016 at IIT Bombay. The students were given certificates, cash prize and pen drives.
8. Rajat Gupta(D17C), Rohan Nawani(D17C), Vishal P.Talreja (D17C) for the project titled "Room Escape VR", secured 4th position (Consolation Prize) at Inter-collegiate Project Exhibition and Competition - "Tantravihar - 2017" held at VIT, Mumbai on 10 April 2017.
9. Nirbhay Pherwani (D17A), Kunal Tolani(D17C) and Shayam Singh (D20) for the project titled "Watch it Together(Wit)", secured 3rd rank at "Mastek Hackathon - 2016" on 13 November 2016, Pune.
10. Nirbhay Pherwani(D17A), Kunal Tolani(D17C), Shayam Singh(D20) for project titled "Chatbot for Vistaprint ", secured 1st position at "Esummit 2017 I_Hack Hackathon" held on Jan 27-29 2017 at IIT Bombay, organised by Cimpres, Vistaprint, Facebook.
11. Nirbhay Pherwani(D17A), secured 1st prize for the project titled "Mitigating Fraud Risk related to duplicate invoicing" at "Standard Chartered Tech Hack" organised by Standard Chartered Achievement.
12. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane (D17A) won 3rd prize at "Technomania - National level competition" organised by IEEE-CRCE held at Father Agnel College on 17th and 18th March 2017.
13. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane (D17A) won 2nd position at " IET Karamveer Expo - National Level Working Model Competition" organised by K.K. WAGH College, NASHIK held on 21st to 28th March 2017.
14. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane (D17A)for the project titled "Mitigating Fraud Risk related to duplicate invoicing" secured 1st position in "INNOVATIONS - National Level Project Competition", organised by SIES College held on 10 March 2017.
15. Jayesh Saita of D12A scored 84th global ranking in "TCS Codevita Season 5" held at VESIT , Chembur on 29th-30th July 2016
16. Umesh Ramchandani(D7A) won 2nd prize in "VJTI Makers Fest" held on March 2017 at VJTI Mumbai.
17. Maaz Sirkhot(D17C), Ekta Sirwani(D17C), Aishwarya Kourani(D17C), Akshit Batheja (D17A) selected in "Indian Youth Science Congress" held on Feb 2017 at Mumbai University, Kalina.

Awards and Laurels(2016-17)

18. Shashank Salian, Dhiren Serai, Pranav Ganorkar, Aditya Suresh students of DI7B secured 4th position with cash prize in "Project Presentation-Project Mania Matrix 2017" held on 15 & 16 February 2017 at SPIT, Mumbai.
19. Shashank Salian, Dhiren Serai, Pranav Ganorkar, Aditya Suresh students of DI7B selected in "Indian Youth Science Congress -Project poster Presentation" held at Mumbai University.
20. Piyush Mantri, Kashyap Kotak, Devendra Kamalapurkar, Varun Golani from DI7B awarded as "Most Innovative Solution" and secured 1st runner up with cash prize for the project titled "Smart Health Prediction" at BitCamp 2k17, held on 25 - 26 , March 2017 at R.A.I.T, Navi Mumbai.
21. Piyush Mantri, Pooja Ghatge, Aaron Thomas, Kartik Jadhav (DI7B) selected in "OPUS - National Level Project Competition" held on 7 April 2017 at VCET, Vasai.
22. Ritika Hassanandani, Ritesh Agicha, Prashant Jagiasi, Chirag Makhija (DI7B) selected in "OPUS - National Level Project Competition" held on 7 April 2017 at VCET, Vasai.
23. Himanshu Rawlani (DI2A), scored 84th global ranking in "TCS Codevita Season 5" held on 29 - 30 July 2016 at VESIT, Mumbai
24. Ashwija Shetty, Gaurav Vaswani, Urmi Jadhav students of DI7C selected in "TANTRAGYAN - National level Project Competition" held on 30 March 2017, organized by Lokmanya Tilak College of Engineering, Navi Mumbai.
25. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane (DI7A) won 1st Prize at "IIT Bombay Innovations - National Level Project Competition" held on 16-18 December, 2016 and also got the opportunity for research talk at SIES, Nerul.
26. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane students (DI7A) won 2nd prize at "IET Karamaveer Expo '17 - National Level Working Model Project" held on March 21 - 22, 2017 at IET (Institute of Engineering and Technology) at K.K. Wagh Inst. of Edu. & Research, Nashik.
27. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane (DI7A) won 2nd prize at "Nawonmesh - National Level Idea & Innovation Competition" held on 4-5 March 2017 at IIT Bombay. They are also awarded for Internship at IIT Bombay.
28. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane (DI7A) won 3rd prize at "Technomania '17 - Project Presentation Competition" held on April 2017 at IEEE - CRCE in college: Fr. Conceicao Rodrigues College of Engineering.
29. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane of DI7A selected in "Avalon - National Level Project Competition" held on 1-2 March 2017 at Terna College of Engineering, Navi Mumbai.
30. Rucha Desai (DI7B) secured 1st position in "Code For Good", Mumbai 2016, organised by JP. Morgan Chase & Co, Goregaon office.
31. Rushika Ghadge, Juilee Kulkarni, Pooja More, Sachee Nene participated in Technical Paper Presentation, organised by St. Xaviers Institute of Technology, Mahim.
32. Himanshu Rawlani and Jayesh Saitta (DI2) participated in ACM-ICPC organised at VISET.
33. Ashwija Shetty, Gaurav Vaswani, Urmi Jadhav (DI7C), secured 1st position and awarded with cash prize in "TECHNOKAGAZ - National level technical paper presentation" held on March 2017 at Shah & Anchor Kutchhi Engineering College, Govandi.
34. Pooja Bhatia, Pratik P. Watwani (DI2C) presented paper at "ICRACA '17 Conference" on 8 April 2017, organized by MIT, Pune.
35. Sagar Palao, Siddhesh Dighe and Abhishek Shahasane (DI7A), secured 3rd prize at "ReSConAM '17 : National Level Research Presentation Competition" held on 18 -19 March 2017, organized by IIT Bombay and the paper is published at IIT Network.
36. Sagar Palao, Siddhesh Dighe, Abhishek Shahasane of DI7A participated in "Prodology : Technical Paper Presentation" held on March 2017, organized by VJTI, Mumbai.
37. Yash Ahuja and Radhakrishna Kamath (DI7B) presented paper titled, "En-SPDP : Enhance Secure Pool Delivery Protocol - Food Delivery System", held on 25-26 March 2017 at ICTIS'2017, Ahmedabad. Also paper published in Springer SIST 2017.
38. Out of 16 regional finalists from 350 teams across all over India, VESIT "Pravas Sarthi" - A Convenience, kiosk based system for people to communicate in their own local language at the airport was designed as a part of E-Yantra Ideas competition at the Indian Institute of Technology, Mumbai (IIT-B) held on 7th and 8th April 2017. The team under the mentorship of Dr. Gresha Bhatia received an award for "Close to Market Category".