

# CONNECTIONS

July to December 2019  
Volume #5, Issue #2

# DEPARTMENT OF INFORMATION TECHNOLOGY

## In This Newsletter

Faculties' and Students Achivements

Faculties' and Students Development Activites

Students Entrepreneurs

Extension Activites

Placements Activities

## Editorial Team

Dr. Radhika Kotecha, Head of Department

Dr. Vaishali Gaikwad, Assistant Professor

Ms. Snehal Mandavkar, Student - 4th Year

Mr. Meet Kotak, Student - 4th Year

## Vision of Department

To be recognized as a centre of excellence in the field of Information Technology where inquisitive minds of students are fostered, leading to skilled professionals and contributing citizens.

## Mission of the Department

- To produce industry-ready engineers by imparting quality education and enhancing their proficiency with strong engineering foundation and in-depth knowledge of Information Technology.
- To encourage curiosity, creativity, innovative thinking, culture of continuous learning, and multidisciplinary activities for developing state-of-the-art solutions to real-world problems.
- To serve humanity by creating socially responsible citizens with high ethical values who can communicate effectively and work independently or in groups.

## Program Educational Objectives (PEOs)

- Program Graduates will be able to apply knowledge of engineering fundamentals and cutting-edge Information Technology to identify and implement innovative solutions for engineering problems and issues in society.
- Graduates will be able to exhibit their employability skills and practice the ethics of their profession with a sense of social responsibility.
- Graduates will have strong interpersonal skills and will engage in life-long learning to enhance their career positions, both as team members and leaders.Objectives (PEOs).

## Program Specific Outcomes (PSOs)

- Graduates will be able to apply standard software engineering practices in real-world project development to deliver efficient, secure and novel solutions.
- Graduates will be able to apply the contemporary trends in Information Technology like Internet of Things and Data Science in diverse application areas.

## Faculties Achievements

- Dr. Radhika Kotecha awarded Smt. Sakarben K. Somaiya Award for Promising Faculty - Higher & Technical Education for the Academic Year 2018-19 on Somaiya Vidyavihar's 61st Foundation Day, September 09, 2019.



- Dr. Radhika Kotecha awarded with Best Social Impact Project Award at "TechNext India 2019" - Annual Industry & Academia Conference and Awards by Computer Society of India - Mumbai Chapter on September 28, 2019.



# Faculties Achievements



Dr. Radhika Kotecha awarded with Best Social Impact Project Award

- Dr. Vaishali Gaikwad awarded as NICE Overseer for conducting South Asia NICE 2k19 Regional Level & Finale Level Competition by IET, South Asia Region on October 12, 2019.



Dr. Vaishali Gaikwad awarded as NICE Overseer

# Faculties Achievements

- Dr. Vaishali Gaikwad awarded as Best Vibrant Member of the year award by The Institution of Engineering & Technology, Mumbai Local Network on December 07, 2019 at AGM 2019.

Dr. Vaishali Gaikwad awarded  
Best Vibrant Member of the Year



# Faculties Achievements

- Dr. Vaishali Gaikwad posted as Public Relationship Officer by The Institution of Engineering & Technology, Mumbai Local Network for the year 2020 on December 07, 2019.



- Dr. Radhika Kotecha, Prof. Harsh Bhor and Prof. Reena Lokare appreciated in recognition of work performance on Teacher's & Engineer's day celebration.

## Faculty Participation:

- Dr. Mansing Rathod published a paper titled “Novel Approach for Resolution Enhancement of Satellite Images using Wavelet Techniques” in 4th International Conference on Advanced Computing and Intelligent Engineering conducted during December 21-23, 2019.
- Prof. Vijaya Pinjarkar present paper titled “Mental Health Disorder and Privacy Preserving Data Mining: A Survey” at AICTE sponsored International Conference on “Recent Trends in IoT and Blockchain” organized by Department of Computer Science Engineering GIET University, Gunupur, India on October 19-20, 2019.
- Dr. Radhika Kotecha published a paper titled “Smart Emergency Vehicle detection using IoT” in 4th ISSE National Conference 2019 on “Systems for Transforming India: Challenges and Opportunities” organized by Indian Space Research Organization (ISRO) at Ahmedabad, Gujarat held during September 26-27, 2019
- Prof. Reena Lokare published a paper titled “Prediction and Recommendation of Precision Medicine for Cancer using Machine Learning Techniques” in International Journal of Engineering and Advanced Technology (IJEAT) in December 2019.

# Faculties Achievements

- Dr. Radhika Kotecha certified from Texas Instruments India for serving as Faculty Mentor of students in DST & Texas Instruments India Innovation Challenge Design Contest 2019 powered by AICTE and anchored by NSRCEL@IIMB
- Prof. Harsh Bhor completed NPTEL Certification on “Introduction of Internet of Things”.
- Dr. Radhika Kotecha, Dr. Mansing Rathod, Prof. Harsh Bhor, Prof. Nasim Shah and Prof. Prashant Sawant participated in Workshop on “Virtual Lab Development” on December 02 and 04, 2019 at KJSIEIT, Sion.
- Prof. Nasim Shah attended One-week IEEE-GRSS Sponsored Faculty Development Program on “High performance Computing (Application Perspective)” at Ramrao Adhik Institute of Technology, Nerul, Navi Mumbai during November 11-16, 2019.
- Prof. Nasim Shah attended Tech Dias Lecture on TRIZ and “Automation by BOTS” in Association with IET Mumbai Local Network on December 07, 2019 at The Byke Suraj Plaza, Thane West.
- Faculties of Department of Information Technology attended Faculty Development Program on “IPR” and “Innovation-Industry Perspective” during “Technical Week-2019” in association with TCS on September 19, 2019 at KJSIEIT

# Faculties Achievements

- Dr. Vaishali Gaikwad attended two days Cyber Defense Conference' 19 organized by the National Cyber Safety and Security Standards in association with Rizvi College of Engineering, Bandra on November 01- 02, 2019
- Dr. Vaishali Gaikwad judged South Asia NICE 2k19 Regional Level at Kanyakumari Local Network, Tamil Nadu, India on September 28, 2019.
- Prof. Harsh Bhor and Prof.Nasim Shah participated in Workshop on "Cooperative Learning & Flipped Classrooms" on October 14, 2019 at KJSIEIT, Sion.



# Students Achievements

## Inter Institute Events within the state

- Mr. Parth Maniar & Mr. Saj Maru - students of T.E. – I.T. awarded Smt. Sakarben K. Somaiya Award for "Star Innovators - Higher & Technical Education" for the A. Y. 2018-19 on Somaiya Vidyavihar's 61st Foundation Day, September 09, 2019.



- Mr. Parth Maniar, Mr. Saj Maru, Mr. Yash Nagda, Mr. D Koushal Kumar & Mr. Viraj Vora - students of T.E. – I.T. awarded as Best Student Project of the Year at "TechNext India 2019" an Annual Industry and Academia Conference and Awards by Computer Society of India Mumbai Chapter on September 28, 2019.

# Students Achievements

## Inter Institute Events within the state



Students of T.E. – I.T. awarded as Best Student Project of the Year

- Mr. Yash Adhiya obtained 2nd Rank at Debate Competition conducted as a part of Innovation Day by Institution Innovation Council (IIC) on October 12, 2019.



Obtained 2nd Rank at Debate Competition



# Students Achievements

## Inter Institute Events within the state

- Mr. Parth Maniar & Mr. Saj Maru awarded "Innovative Project" certificate at Project Competition conducted as a part of Innovation Day by Institution Innovation Council (IIC) on October 12, 2019.

Students of T.E. – I.T. appreciated  
for Innovative Project



- Students of IT department Mr. Viraj Vora, Mr. Yash Nagda, Parth Maniar, Mr. Saj Maru, Mr. D Koushal Kumar have won the Best Student Project of the Year in "TechNext India 2019" – Annual Industry & Academia Conference and Awards, conducted on September 28, 2019 by Computer Society of India (Mumbai Chapter).

# Students Achievements

## Inter Institute Events within the state

- Students of IT department Mr. Parth Maniar, Mr. Saj Maru have won the "Best Social Impact Project of the Year" in "TechNext India 2019" – Annual Industry & Academia Conference and Awards, conducted on September 28, 2019 by Computer Society of India (Mumbai Chapter).



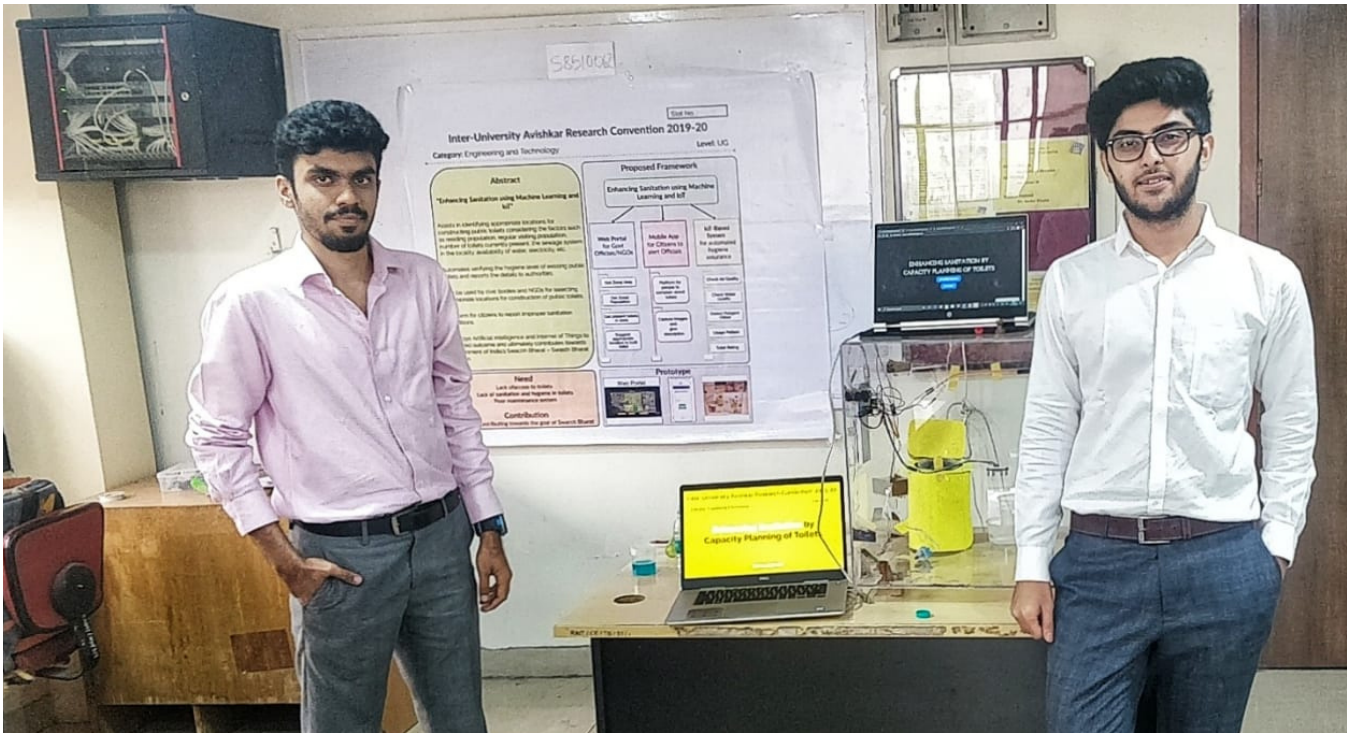
- Students of IT department Mr. Parth Maniar, Mr. Saj Maru were Semi-finalists in 14th Inter-Collegiate / Institute / Department Avishkar Research Convention 2019-20(Engineering and Technology Category - UG level), conducted on December 21, 2019 by University of Mumbai (held at Ramrao Adik Institute of Technology, Nerul, Mumbai).



# Students Achievements

## Inter Institute Events within the state

### Semi-finalists in 14th Avishkar Research Convention 2019-20



# Students Achievements

## Inter Institute Events within the state

- Students of IT department Mr. Parth Maniar, Mr. Saj Maru were Quarter-Finalists in PoC Competition, conducted on July 25, 2019 by MHRD's Innovation Cell (MIC).
- Student of IT department Mr. Vishal Rathod have Participated in Painting Contest, conducted in 2018-19 by Akhil Bharatiya Art Education Society, Pune.
- Mr. Pragalbha Patil, Mr. Zeel Gohil & Mr. Vishwa Gosalia awarded as "Innovative Project" certificate at Project Competition conducted as a part of Innovation Day by Institution Innovation Council (IIC) on October 12, 2019



Students of T.E. – I.T. appreciated for Innovative Project

# Students Achievements

## Inter Institute Events Outside the state

- Mayuresh Pandey – student of T.E. – I.T. and Dr. Radhika Kotecha (Mentor) awarded Best Idea Presentation Award under the theme 'Human Transportation for the Future' for the project "Smart Emergency Vehicle detection using IoT" at 4th ISSE National Conference 2019 on "Systems for Transforming India: Challenges and Opportunities" organized by Indian Space Research Organization (ISRO) at Ahmedabad, Gujarat on September 26-27, 2019.

Student of T.E. – I.T. awarded  
Best Idea Presentation Award





# Students Achievements

## Inter Institute Events Outside the state

- Students of Information Technology department Ms. Muskan Jha, Mr. Mayuresh Pandey were Finalists in "Smart City Challenge 2019", conducted on September 28, 2019 by IET, Chennai Local Network.



- Students of IT Mr. Aman Misri, Mr. Manan Kotak, Mr. Aditya Khati have Participated in "Chhatra Vishwakarma Awards 2019", conducted on September 20-October 07, 2019 organised by AICTE.

# Students Achievements

## Inter Institute Events Outside the state

- Students of IT Mr. Parth Maniar, Mr. Saj Maru have Participated in Anjani Mashelkar Inclusive Innovation Award 2019, conducted on August 27, 2019 organised by Mashelkar Foundation.

# Students' Development

- Dr. Mansing Rathod organized Seminar on “Agile Methodology” for Final Year – B.E. students conducted by Mr.Ashutosh Sabde, AgileDevOps Lead & Coach, TCS, Mumbai on September 13, 2019.

## Seminar on “Agile Methodology” for Final Year – B.E. students





# Students' Development

- Dr. Radhika Kotecha and Prof. Reena Lokare conducted Seminar on “Current Market Trends in Web Development” for S.E. I.T. students conducted by Senior DBA of Ugam Solutions on October 11, 2019

Seminar on “Current Market in Web Development” for S.E. I.T. students



# Students' Development

- Dr. Vaishali Gaikwad conducted South Asia NICE 2k19 Regional Level Competition including 8 teams from different engineering colleges of Mumbai region on October 05, 2019.

## South Asia NICE 2k19 Regional Level Competition

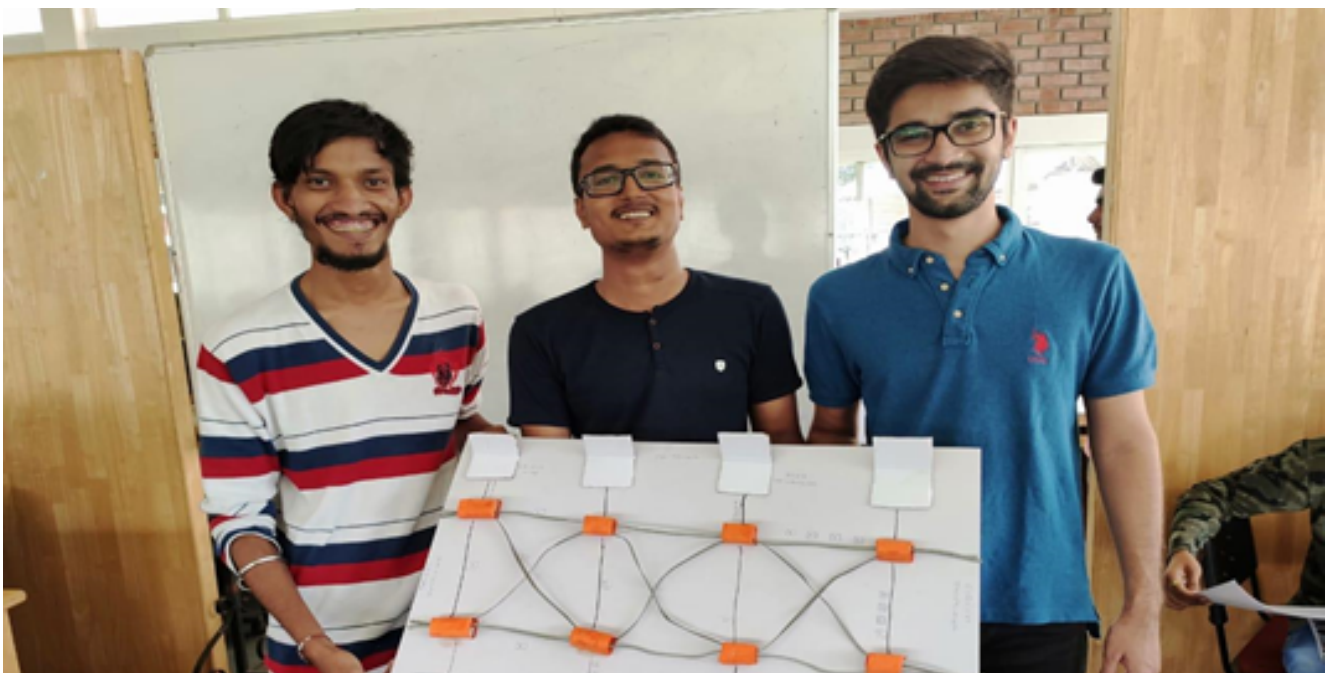




# Students' Development

- Prof. Vijaya Pinjarkar conducted Model Building activity on Infrastructure Security for B.E. – I.T. students during October 2019.

## Model Building activity on Infrastructure Security



# Students' Development

- Dr. Vaishali Gaikwad conducted South Asia NICE 2k19 Finale Competition including 7 teams from different regions of South Asia including Sri Lanka, Kanyakumari, Goa, Pune, Nashik, Dhule & Mumbai on October 12, 2019.

## South Asia NICE 2k19 Finale Competition





# Students' Development

- Department of Information Technology organized Training cum Winter Internship Programme for SE and TE students during December 2019 in association with IT companies wherein 102 students participated

## Winter Internship 2019



# Students' Development

- Prof. Uday Rote & Prof. Harsh Bhor conducted Industrial Visit on September 05, 2019 at Reliance Jio, Reliance Corporate Park, MIDC Industrial Area, Navi Mumbai

Industrial Visit on at  
Reliance Jio





# Students' Development

- Prof. Vijaya Pinjarkar conducted expert talk on “Social Network Security” on July 26, 2019.

expert talk on “Social Network Security”



# Students' Development

- Prof. Vijaya Pinjarkar conducted Mock Interview for B.E. I.T. students on October 05, 2019

## Mock Interview for B.E. I.T. students





# Students' Development

- Prof. Nasim Shah conducted workshop on Laravel framework on 2nd August 2019 for SE and TE students .

workshop on Laravel framework For  
SE and TE students



# Students' Development

- Prof Reena Lokare conducted Interactive session on “Break The Code” on July 12, 2019.



- Prof. Sarita Rathod organized a seminar on “Java Programming” on August 07, 2019 for S.E. – I.T. students.
- Prof. Vaishali Gaikwad conducted a workshop on “Interfacing of IoT boards with sensors” on August 13, 2019 for T.E. – I.T. students.

# Internship Details

- Department of Information Technology organized Summer Internship for Second Year, Third Year Students from December 01,2019 to December 31,2019.

Summer Internship Organized by  
IT Department



- Student from Third Year Niraj Jain ,D Koushal Kumar Developed Model for TRAIN CROWD MANAGEMENT under the guidance of Dr.Vaishali Gaikwad.

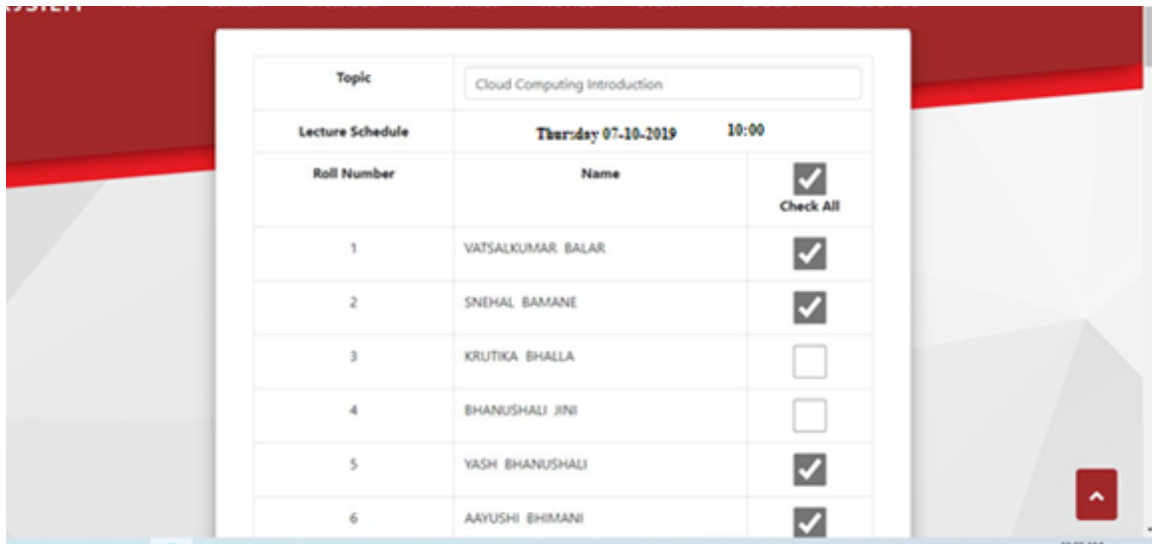




# Internship Details

- Students from Third Year Ritesh Bhor, Sahil More, Shatayu Thakur, Yash Deshpande, Nagraj V Developed attendance portal (Student Information System) under guidance of Pro. Harsh Bhor.

## Student Information Management System



The screenshot displays a web interface for a Student Information Management System. At the top, there is a search bar for 'Topic' containing 'Cloud Computing Introduction'. Below it, the 'Lecture Schedule' is shown for 'Thursday 07-10-2019' at '10:00'. A table lists six students with their roll numbers and names, each with a checkbox for attendance. A 'Check All' button is located above the table. The students listed are:

Roll Number	Name	Attendance
1	VATSALKUMAR BALAR	<input checked="" type="checkbox"/>
2	SNEHAL BAMANE	<input checked="" type="checkbox"/>
3	KRUTIKA BHALLA	<input type="checkbox"/>
4	BHANUSHALI JINI	<input type="checkbox"/>
5	YASH BHANUSHALI	<input checked="" type="checkbox"/>
6	AAYUSHI BHIMANI	<input checked="" type="checkbox"/>



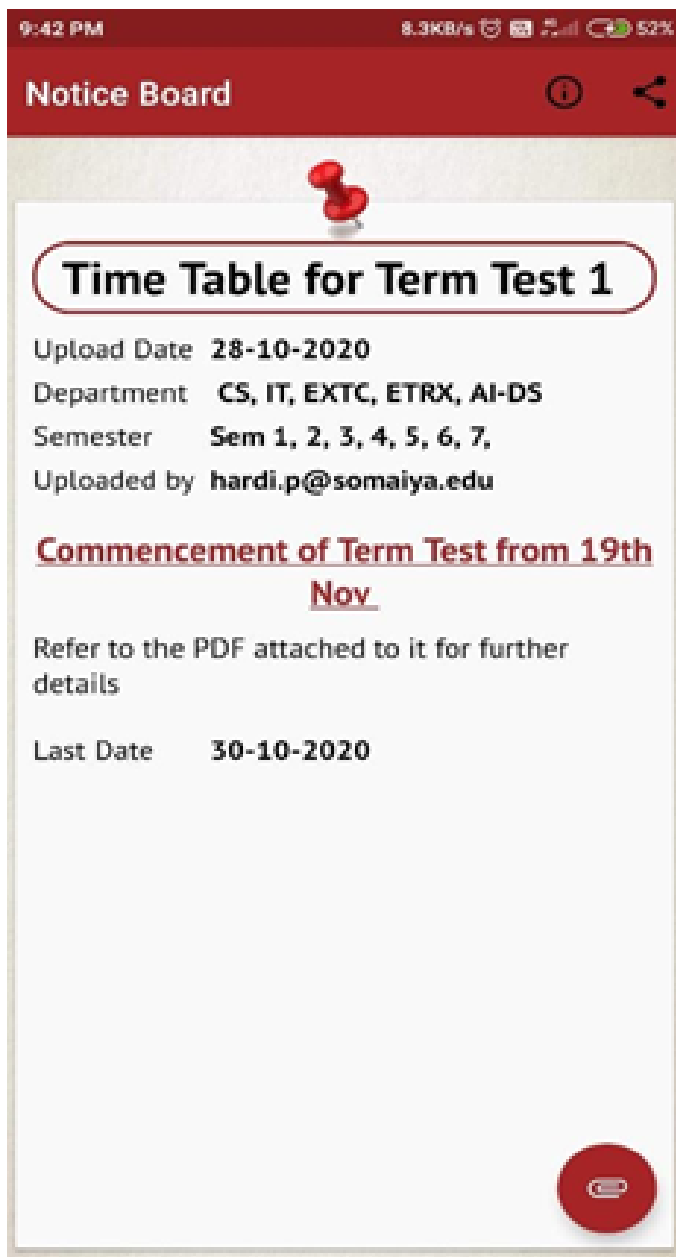
The screenshot shows a student profile page. At the top, there is a photo of a young man. Below the photo, the page is titled 'Student Details' and contains a table with the following information:

Student Details			
Registration No.	2220180111	Roll No.	1
Branch	Information Technology	Somaiya Mail Id	vatsalkumar.b@somaiya.edu
Full Name	BALAR VATSALKUMAR UPESHBHAI REKHABEN	Blood Group	A+
Address	D-82/202.HAPPY HOME ESTATE,POONAM SAGAR COMPLEX,MIRA ROAD,THANE		
City	MUMBAI	Pincode	401107
Student No.	9930708732	Father's No.	9920099048
Mother's No.	9820188732	Parents Email Id	upeshbalar@gmail.com

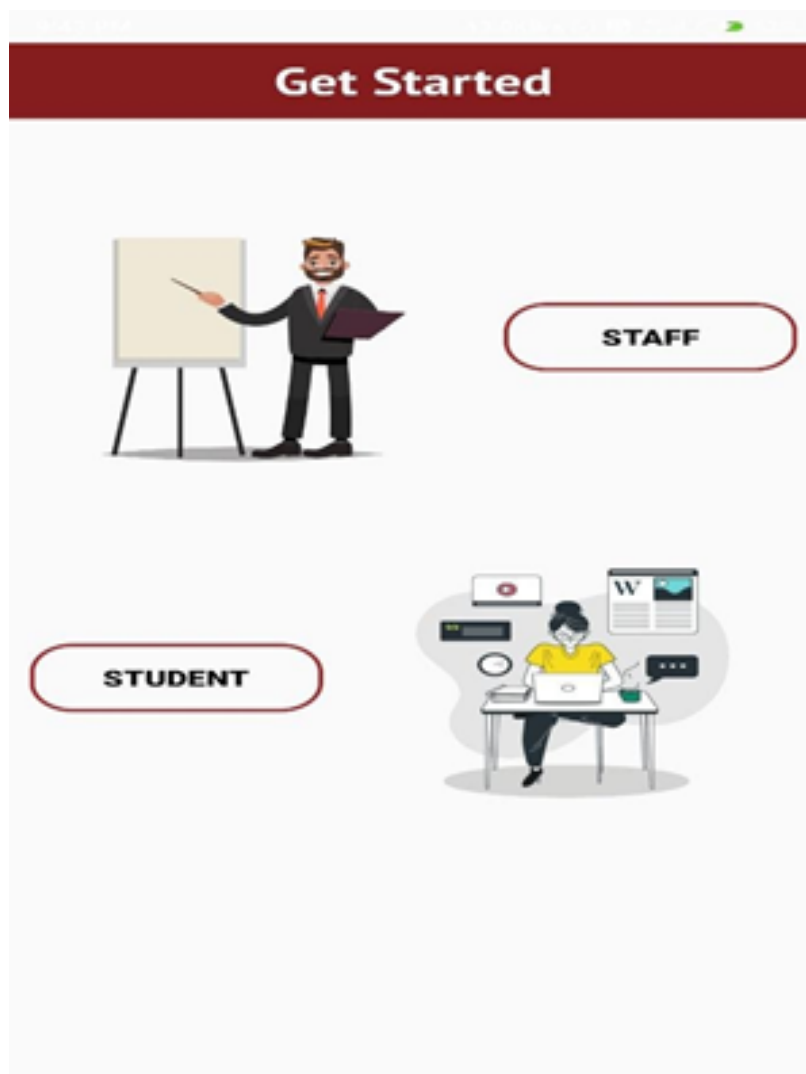
# Internship Details

- Students from Second Year Neel Shah,Hardi Patel,Jay Shah developed E-Notice Board android Application.

E-Notice Board Application  
Designed By students



# Internship Details



# Internship Details

- Omkar Manchekar, Shreya Singh, Pankaj Sharma, Tomal Gosh, Payal Gidwani, Urami Gori, Nagraj V from Third Year developed web based application for Event Management system under guidance of Dr. Radhika Kotecha, Dr. Vaishali Gaikwad, Prof. Sarita Rathod, Prof. Prashant Sawant.

## Event Management system



# Faculties' Development

- Department of Information Technology organized One Week AICTE - ISTE Approved Short Term Training Programme on “Driving Innovation with DevOps” from December 09 – 14, 2019 in association with The Institution of Engineering & Technology and Institution’s Innovation Council (MHRD’s Initiative).

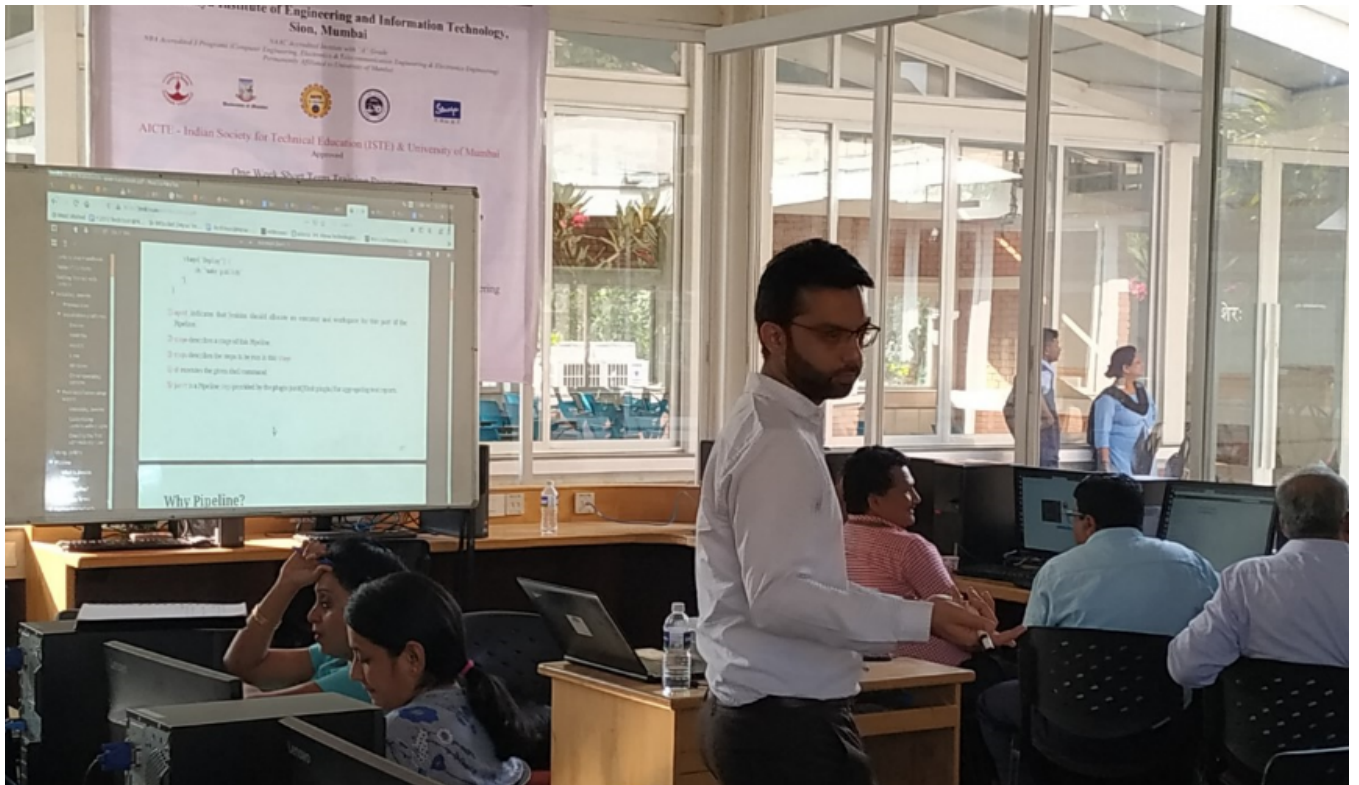




# Faculties' Development



# Faculties' Development



# Placement of Students

- From August to October 2019, 61 offers have been made to 55 Final Year students of I.T. Department from the companies Musigma, Accenture, LTI, AWS Amazon, TCS (NQT), TCS (CodeVita), NSE IT, Vodafone, Media .net, Reliance Jio and Infosys. The highest package offered in 7 lakh p.a.

# Student Entrepreneurs

- students of I.T. Department are working on a start-up and have registered their companies. Following are the details.



**Yash Aadhiya**

Yash is a founder and director of PACSS, Programming and Computational System Services and Solutions that provides various services such as Software Development, Hardware, security and maintenance, networking, workshops and training also.

**Nikhil Shrivastava**

Nikhil is founder of ConnectClub, a social networking platform designed for investors and startups only. Through this platform, one will directly connect the investors and the start-ups. The start-ups will publish their Pitch deck and Video description, and the registered investor can go through multiple start-ups and invest their money, in the project they like the most.





## Moin Masurkar

Moin is Director of Othrys Media (OPC) Pvt. Ltd. That was successfully incorporated with Company Incorporation Number U74999PN2019OPC186139 on 19th of August, 2019. They are a system integration company registered in Ratnagiri and providing services in Mumbai and Pune. Othrys Media (OPC)

PCs pre-built PCs and also computer hardware components. We design optimized high-performance custom systems for gamers, designers, 3D artists, VFX artists, data miners, AR and VR developers and many other professionals and end users



# Extension Activities of the Department

## 1. Automatic Electric Bell in School

- Name of Faculty / Students : Dr. Vaishali Gaikwad
- Name of Organization to which Service is provided : Motilal Nagar Municipal Secondary School, Goregaon

## 2. Unauthorized Parking Detection

- Name of Faculty / Students : Dr. Vaishali Gaikwad
- Name of Organization to which Service is provided : Mangla Prasth CHS, Vadeghar, KalyanA

## 3. Stay Awake Glasses

- Name of Faculty / Students : Dr. Radhika Kotecha
- Name of Organization to which Service is provided : Choudhary Courier Services Ltd

## 4. Smart Door Lock System

- Name of Faculty / Students : Dr. Radhika Kotecha
- Name of Organization to which Service is provided : Neeta Builders, Goregaon, Mumbai

# DEPARTMENT OF INFORMATION TECHNOLOGY

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