

CONNECTIONS

September to December 2020

Volume #6, Issue #3

DEPARTMENT OF INFORMATION TECHNOLOGY

In This Newsletter

Faculties' and Students Achivements

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Editorial Team

Dr. Radhika Kotecha, Head of Department

Prof. Nasim Shah, Assistant Professor

Dr. Vaishali Gaikwad, Assistant Professor

Ms. Snehal Mandavkar, 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.

Departmental Activities

- Department of Information Technology conducted National-level Short Term Training Programme (STTP) on “Leveraging Artificial Intelligence and Data Analytics for Healthcare” Sponsored by AICTE under AQIS 2019-20 during December 14 - 19, 2020, from 10:00 AM to 04:30 PM.

Traning on "Leveraging
Artificial Intelligence and Data"
Analytics for Healthcare

K. J. SOMAIYA INSTITUTE OF ENGINEERING AND INFORMATION TECHNOLOGY, SION, MUMBAI
Accredited with 'A' Grade by NAAC (3.21 CGPA)
Three Programs Accredited by NBA
Best College Award by University of Mumbai (Urban Region), ISTE (MFI), CSI (Mumbai)

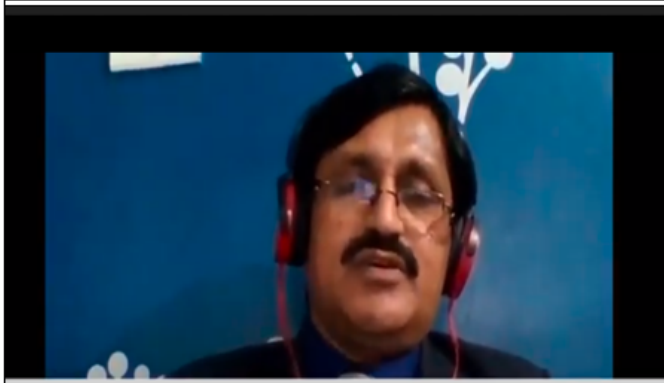
INAUGURAL CEREMONY

**AICTE (AQIS 2019-20) SPONSORED
SHORT TERM TRAINING PROGRAMME ON
LEVERAGING ARTIFICIAL INTELLIGENCE AND
DATA ANALYTICS FOR HEALTHCARE**

December 14 - 19, 2020
Organized By:
Department of Information Technology

The banner also features three small images of the institute's campus at the bottom.

Departmental Activities



Brain Function Monitoring

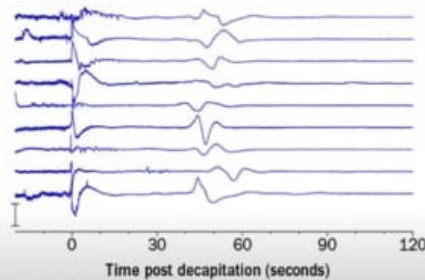
- Brain Function Monitoring in ICU



- Detection of Brain Tumors



- Brain Death

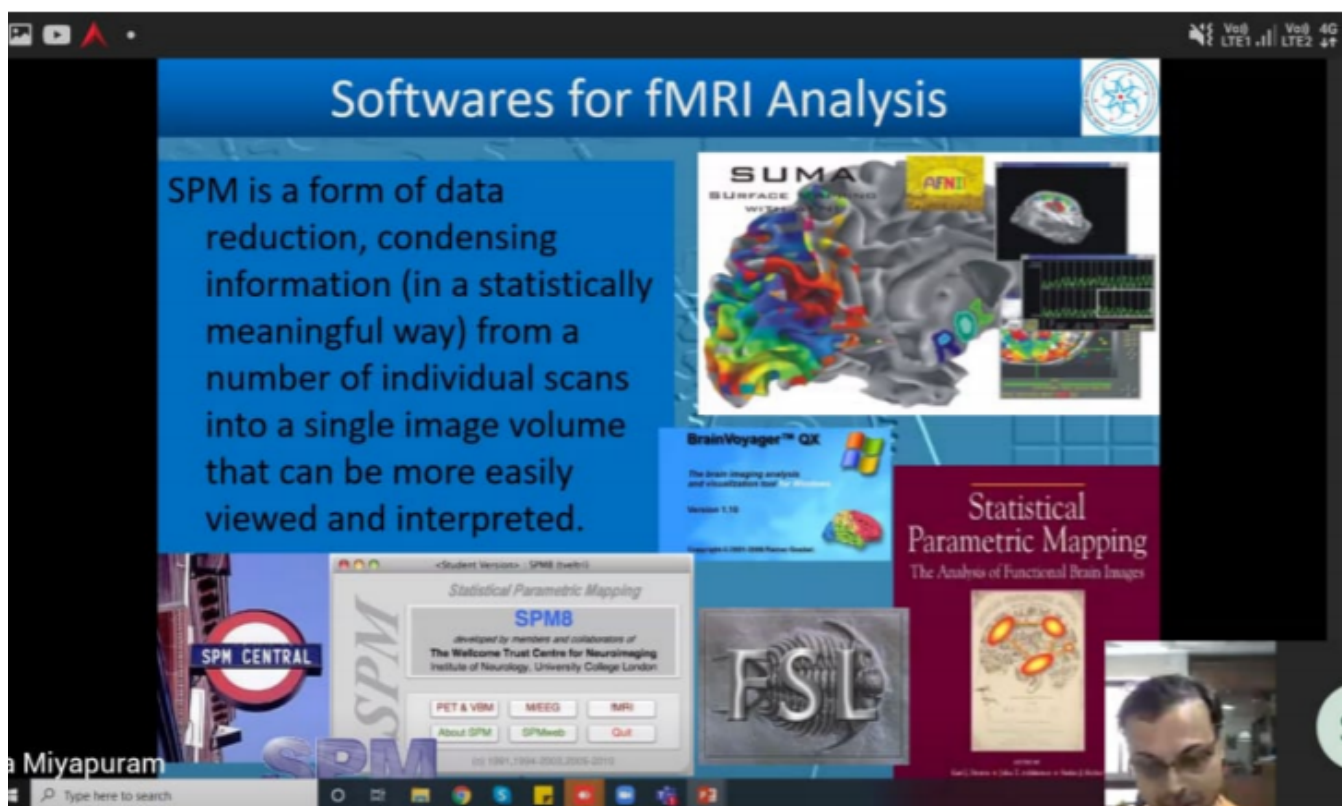


PratimRoy

I I T ROORKEE



Departmental Activities



Screenshot 13 of session-8 on MS Team

Departmental Activities

- Department of Information Technology signed a MoU with Nibban Enterprise, located at 1808, Sugat Nagar, Mangaon, Maharashtra, 416118, India. The objective of this Memorandum of Understanding (MOU) is to promote interaction between Department of Information Technology of KJSIEIT and Nibban Enterprise for Research & Development, Consultancy services, Live Projects, Internships and Conducting Activities like expert lectures, faculty and student development programmes, hackathons, competitions, industrial visits, etc. to enhance the students' employability skills as well as technical proficiency of the students and faculties.



Departmental Activities

- Departmental Automation Projects developed under the guidance of Prof. Nasim B. Shah:
 - o A Web Application “Quicky- Online Examination” developed by students Mr. Bhavya Mistry, Mr. Yash Patel.
 - o A Web Application “Intern(o)pedia” developed by students Mr. Omkar Pawar, Mr. Vedant Pednekar, Miss. Priya Mudaliar.
 - o A Web Application “Open Classroom” developed by students Mr. Jaideep More, Mr. Keshav Mishra. Mr. Aneesh Mokashi, Mr. Hardik Mandaliya.
- Prof. Nasim B. Shah organized workshop on “Cognitive Computing” In Association with: Edunet Foundation (Implementation Partner of IBM SkillsBuild) on November 05, 2020 from 3:00 PM to 5:00 PM conducted by Mr. PravinKumar Prajapati and Mr. S.S Ahmed Ali-Master Trainer (IT & cloud Computing) Edunet foundation for undergraduate students of various Departments and Institutes.

Departmental Activities

workshop on "Cognitive Computing"

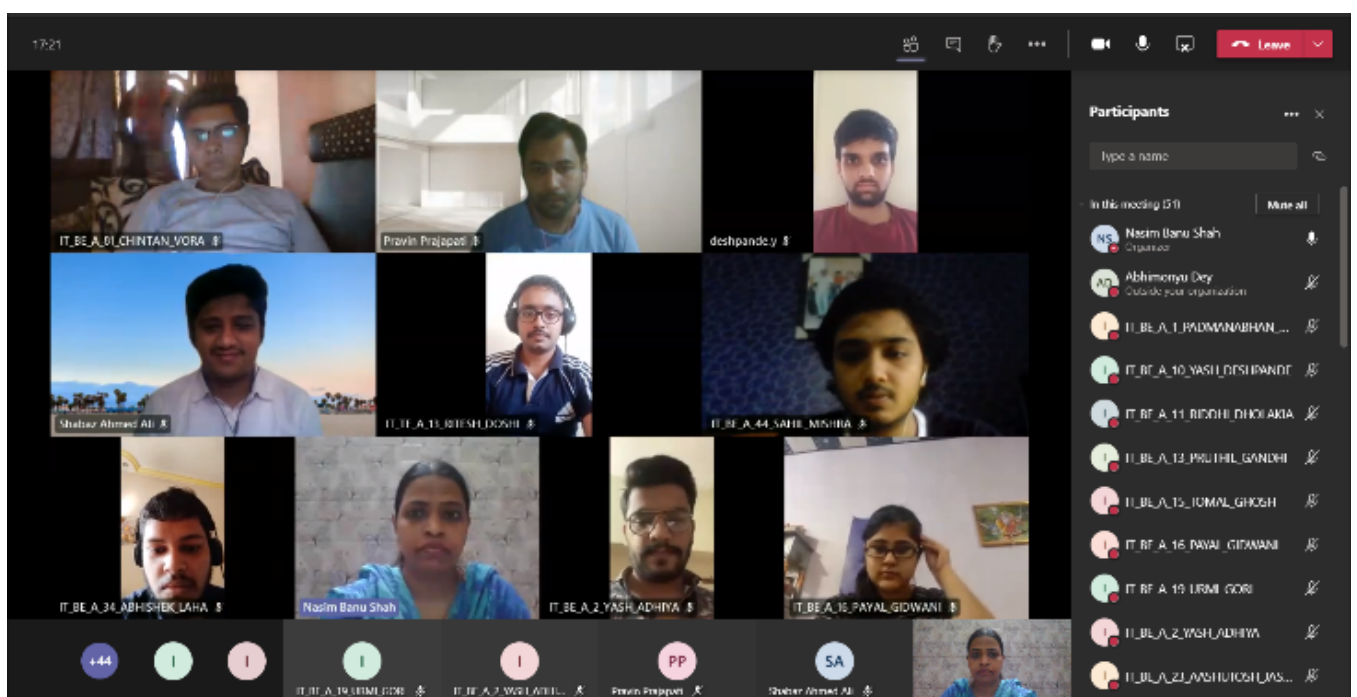


K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai

ACCREDITED BY NAAC WITH 'A' GRADE (3.21 CGPA)
THREE PROGRAMS ACCREDITED BY NATIONAL BOARD OF ACCREDITATION
BEST COLLEGE AWARD BY UNIVERSITY OF MUMBAI, ISTE (MH) AND CSI (MUMBAI)

Workshop on
"Cognitive Computing"
Organized By
DEPARTMENT OF INFORMATION TECHNOLOGY
In Association with:
Edunet Foundation (Implementation Partner of IBM SkillsBuild)

Resource Personages:



17:21

Participants

- IT_BE_A_01, CHINTAN, VORA
- Pravin Prajapati
- deshpandey
- Muhammad Ahmad Ali
- IT_BE_A_13, JYOTESH, DOSHI
- IT_BE_A_44, SAHE, MANIYA
- IT_BE_A_34, ABHISHEK, LAHA
- Nasim Banu Shah
- IT_BE_A_2, YASH, ADHIYA
- IT_BE_A_16, PAYAL, GIWANI
- IT_BE_A_19, URMIL, GORE
- IT_BE_A_7, SWATI, WIL...
- Pravin Prajapati
- Quadir Ahmad Ali

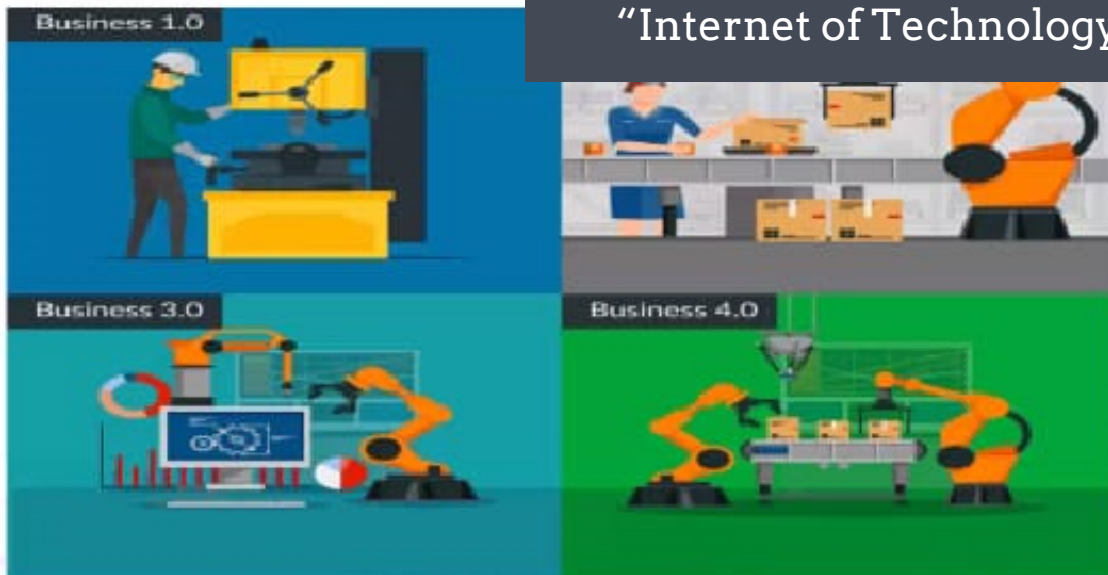
Participants list (from top to bottom):

- Nasim Banu Shah (Organizer)
- Abhimanyu Dey (Outside your organization)
- IT_BE_A_1, PADMANABHAN...
- IT_BE_A_10, YASH, DESHPANDE
- IT_BE_A_11, RIDDIHI, DINDI AKIA
- IT_BE_A_13, PRUTHI, GANDHI
- IT_BE_A_15, JOMAL, GHOSH
- IT_BE_A_16, PAYAL, GIWANI
- IT_BE_A_19, URMIL, GORI
- IT_BE_A_2, YASH, ADHIYA
- IT_BE_A_21, ANSHUJIT, DAS...

Departmental Activities

- Prof. Sarita Rathod organized Student Development Program on “Internet of Technology” In association with Tata Consultancy Services and Training & Placement Committee on Sept 9, 2020 from 3:00 PM conducted by Mr. Pranav Chauhan and Mr. Advait Upadeo, IT Analyst, Tata Consultancy Services for students and faculties of KJSIEIT.

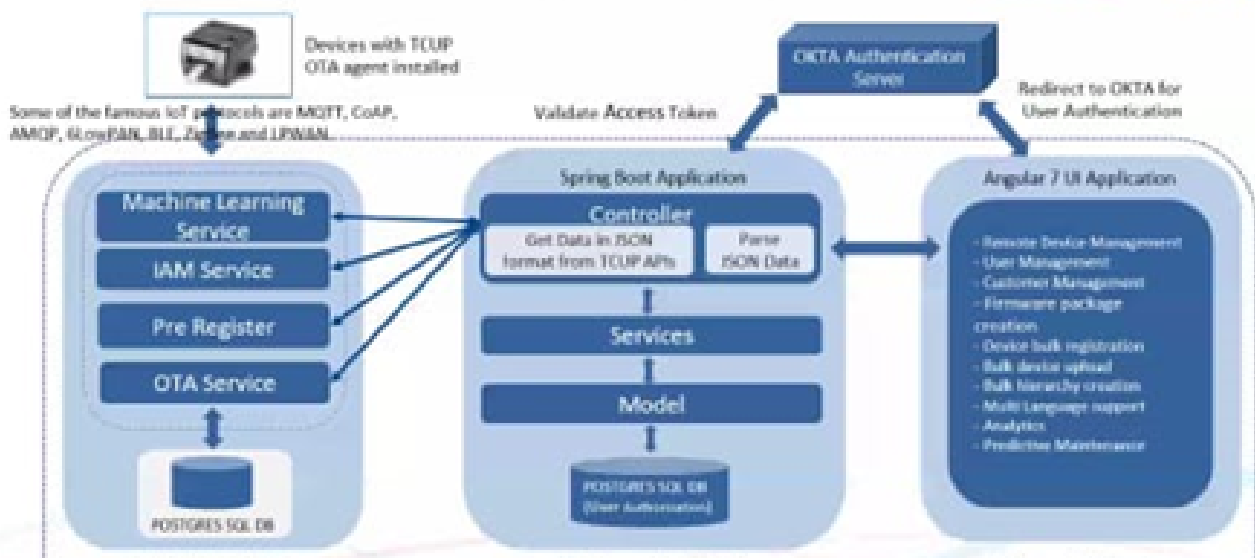
Evolution of Industrial Internet of Things



Program on
“Internet of Technology”

Sample Connected Devices Example

tcs 50 | TATA CONSULTANCY SERVICES
Experience energy



Departmental Activities

- Prof. Sarita Rathod organized workshop on “Agile & DevOps” in association with Tata Consultancy Services and Training & Placement Committee on October 10, 2020 (Saturday) from 2:30 PM conducted by Ms. Prajakta Thakur, Ms. Yashasree Barve, Ms. Gayatri Purohit for Students and faculties of KJSIEIT.

The slide displays a circular DevOps process diagram with the following stages and associated activities:

- Test:** Test Automation, Service Virtualization, Test Execution
- Build:** Static Code Analysis, Continuous Build, Continuous Integration
- Code:** Release Planning, Product Backlog, Infrastructure Automation, Configuration Management, Issue Tracking
- Plan:** (No specific activities listed)
- Monitor:** Server Monitoring, Application & Database Monitoring, Network Monitoring
- Operate:** Incident Management, Problem management, Access Management, Service Measurement & Reporting
- Deploy:** Package Creation, Package Configuration, Deployment Automation, Release Control & Management
- Release:** (No specific activities listed)

Central roles include Support, Developers, Customer, Testers, and Operations. The slide is presented by Yashasree Barve (Guest) and includes a TATA CONSULTANCY SERVICES logo.

The slide is titled "Wall of confusion between Dev & Ops" and features an illustration of two workers pulling on a brick wall labeled "Wall Of Confusion".

- Development:** Focus is delivering value on time and within budget. Worker says: "I want change!!"
- Operations:** Focus is keeping enterprise running with less to zero downtime. Worker says: "I want stability."

At the bottom, it states: "DevOps aims at aligning the teams towards Business goals". The slide is presented by Yashasree Barve (Guest) and includes a TATA CONSULTANCY SERVICES logo.

Departmental Activities

- Prof. Vijaya Pinjarkar One day Visit at Indian Meteorological Department, RSRW, Mumbai on September 26, 2020 at 03:30 PM to 06:30 PM for Students of TE IT and faculty members accompanied by Mr. Bhale.

Visit at "Indian Meteorological Department"



Faculties' Activities and Achievements

- Dr. Radhika Kotecha, Dr. Mansing Rathod, Dr. Vaishali Gaikwad, Prof. Harsh Bhor and Miss. Pallavi Chavda selected as Innovation Ambassadors through Institution's Innovation Council (IIC) organized by Ministry of Education's Innovation Cell (MIC) and AICTE during A.Y-2020-2021.

Innovation Ambassadors through Institution's Innovation Council (IIC)



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BEST COLLEGE AWARDED BY UNIVERSITY OF MUMBAI, ISTE (MH) AND CSI (MUMBAI)



Department of Information Technology

Innovation Ambassadors A.Y. 2020-21

*"Innovation is the unrelenting drive to break the status quo and
develop anew where only a few have dared to go."*

as selected by the

Ministry of Education's Innovation Cell (MIC)

10 Students

Aakanksha Padmanabhan
Shreya Shetty
Mayuresh Pandey

Akash Prabhudesai
Darpan Chachpara
Vinod Singh Rajpurohit
Revaa Naik

Arjun Pitroda
Krutik Bajriya
Viraj Vora

4 Faculty

Dr. Radhika Kotecha
Dr. Vaishali Gaikwad

Dr. Mansing Rathod
Harsh Bhor

1 Staff

Faculties' Activities and Achievements

- Dr. Hariram Chavan attended One Week Online Short-Term Training Program on "Machine Learning: Algorithms and Applications in Data Science" organized by Vishwakarma Institute of Technology, Pune during September 07-12, 2020.
- Dr. Hariram Chavan published a paper "IoT based optimization of average patient waiting time (APWT) retrieval algorithm using big data techniques for emergency services" in International Journal of Speech Technology during November 2020.
- Dr. Radhika Kotecha was invited and has joined the Reviewer Boards of 2 peer-reviewed journals "SN Computer Science" and "Nonlinear Dynamics" published by Springer and indexed in Scopus, SCImago, ACM Digital Library, etc.
- Dr. Radhika Kotecha attended webinar on "Outcome Based Education and Accreditation" organized by National Board of Accreditation, Delhi in Association with Directorate of Technical Education, Maharashtra State and College of Engineering Pune during November 27, 2020.
- Prof. Uday Rote published a paper "Improved Energy Efficient Structure-Free Data Aggregation and Delivery (IESDAD) Convention in WSNs" in 2020 2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN) ISBN: 978-1-7281-8337-4/20/\$31.00 ©2020 IEEE during December 18,19 2020.

Faculties' Activities and Achievements

- Prof. Nasim B. Shah invited and served as a Reviewer for IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India on January 15-16, 202.
- Prof. Nasim B. Shah attended webinar on "Outcome Based Education and Accreditation" organized by National Board of Accreditation, Delhi in Association with Directorate of Technical Education, Maharashtra State and College of Engineering Pune during November 27, 2020.
- Prof. Harsh N. Bhor attended AICTE sponsored One Week Short Term Training Programmes (STTPs) conducted in Online Mode-- on "Outcome Based Education (OBE): Critical Issues and Solution (A Case Study Approach) organized by Bharatiya Vidya Bhavan's, Sardar, Patel Institute of Technology (S.P.I.T.) during November 30, 2020 to December 5, 2020.
- Prof. Harsh N. Bhor attended STTP on "Green Internet of Things, Phase (II) organized by VESIT, Chembur during November 23, 2020 to November 28, 2020.
- Prof. Sarita Rathod published a paper "Converting Non-Digitized Health Data to Digital ·Format" Asian Journal of Convergence in Technology, Volume: VI, Issue: I,
- ISSN: 2350-1146, Impact Factor: 5.71 held during Nov-2020.

Students' Participation and Achievements

- Mr. Parth Maniar, and Mr. Saj Maru selected in Regional level of National Innovation Contest 2020 (NIC) organized by MoE's Innovation Cell, AICTE for the project "Weather Based Short Term Load Forecasting" during December 2020.
- Mr. Parth Maniar, Mr. Saj Maru, Shreya Singh, Meet Kotak, Divya Jain, Vinayak Malviya selected in Regional level of National Innovation Contest 2020 (NIC) organized by MoE's Innovation Cell, AICTE for the project "USAPA (Unified System for Agricultural Prediction using Artificial Intelligence)" - Predictive Analytics based on AI and ML through deep learning from the huge volume of data available from various departments during December 2020.
- Mr. Parth Maniar, Mr. Saj Maru, Mr. D Koushal Kumar and Mr. Sahil More Selected for Asia's Biggest Maker Gathering - Maker Mela 2020 organized by riidl & Somaiya Vidyavihar University for the project "SpotGarbage - Garbage Profiling Solution" during December 2020.
- Mr. Parth Maniar, Mr. Saj Maru, Mr. Divya Jain and Mr. Vinayak Malviya shortlisted amongst the 71 teams out of 400+ teams that registered for DeepBlue Season 6 organized by Mastek Ltd. for the project "Automation Society Security Task - ASST" during November 2020.
- Mr. Arya Makwana, Mr. Devang Patel and Mr. Akash Patel shortlisted amongst the 71 teams out of 400+ teams that registered for DeepBlue Season 6 organized by Mastek Ltd. for the project "Geofencing using IoT" during November 2020.

Students' Participation and Achievements

- Mr. Keshav Mishra, Mr. Jaydeep More, Mr. Vedant Kokate and Mr. Mohil Khare shortlisted amongst the 71 teams out of 400+ teams that registered for DeepBlue Season 6 organized by Mastek Ltd. for the project "Predict Queue Wait time" during November 2020.
- Miss Saloni Patadia, Miss Harshita Mav, Miss. Krutika Bhalla and Mr. Srinath Nanduri shortlisted amongst the 71 teams out of 400+ teams that registered for DeepBlue Season 6 organized by Mastek Ltd. for the project "Crowd Counting Challenge" during November 2020.
- Miss. Dharita Desai and Miss Jini Bhanushali selected among the top 12 finalists in "Hack with CW (International Level Virtual Hackathon)" organized by "Code Warriors on 19th and 20th December 2020".
- Mr. Riday Shah selected among top 50,000 participants in "Hacktoberfest 2020" competition organized by Digital Ocean, Intel, and Dev companies during November 14, 2020.
- Miss Akansha Padmanabhan, Miss. Shreya Shetty, Mr. Mayuresh Pandey, Mr. Akash Prabhudesai, Mr. Darpan Chachpara, Mr. Vinod Singh Rajpurohit, Miss Reva Naik, Mr. Arjun Pitroda, Mr. Krutik Bajriya, Mr. Viraj Vora selected as Innovation Ambassadors through Institution's Innovation Council (IIC) organized by Ministry of Education's Innovation Cell (MIC) and AICTE during A.Y-2020-2021.

Students' Participation and Achievements

- Mr. Nikhil Shrivastava received Letter of Appreciation for the hard work by him and the staff of Information Technology Department in organizing and hosting the startup Bootcamp for Institute for Design of Electrical Measuring Instruments, Mumbai Technology Centre (IDEMI).
- Mr. Arghyadeep Karmarkar had been working with EYUVA Technologies, in his capacity as Intern for the project titled "Blood Bank Online App" from December 2, 2019 to December 31, 2019.

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