



# IT NEWS LETTER

**DEPARTMENT OF INFORMATION TECHNOLOGY**

January-June 2022

Department of Information Technology came into inception in the year 2002 with an approved intake of 60 students. The department spreads over basement, first, second, third & fourth floor of the college campus which accommodates 3 class rooms and an equipped laboratory. The entire laboratory area is modularized into 5 software laboratories consisting of 157 computers with Internet connectivity, two hardware laboratory and 8 printers. All the labs and faculty rooms are air-conditioned with the UPS back up.

The programme of Bachelor of Engineering in Information Technology is being conducted in accordance to the course curriculum prescribed by University of Mumbai. We have an academically strong team of 11 faculty members and 3 non-teaching staff in tandem with an equally well equipped library (both Institutional and departmental). Department has been NBA accredited from 2021-2024.

The college management has always encouraged the student fraternity by announcing scholarships and cash awards for meritorious students. They are also encouraged to join professional bodies for creating an awareness of the latest developments in their field of interest. The department has IETE Student Forum which started in 2008. Technical and Co-curricular activities are being conducted under IETE on regular basis.

The department of Information Technology has been in the fore front in organizing cultural and technical events both at intra and inters collegiate levels. Shaping industry compliant engineers has always been the primary objective of the department and hence Industrial visits and Seminars by industry eminent personalities is treated as a part of curriculum.

## **Vision and Mission of IT Department**

### **VISION**

To develop IT professionals for accomplishment of industrial & societal needs through quality education.

### **MISSION**

- To impart advanced knowledge and develop skills in Information Technology and allied fields.
- To enhance professional competence by inculcating values and ethics.
- To upgrade technical skills and also encourage research culture.
- To extend industry and alumni association for knowledge enhancement.
- To nurture entrepreneurial talent and contribute towards socio-economic growth.

Editors  
Prof. K. Lakshmi Sudha  
Prof. Bushra Shaikh

## Program Educational Outcomes (PEOs)

Graduates will be able to:

PEO1: Compete in professional career with social and ethical responsibilities.

PEO2: Pursue higher studies / research in Engineering and Management.

PEO3: Become Entrepreneurs or software professionals to satisfy the latest Industrial requirements.

## Program Specific Outcomes (PSOs)

PSO1: Students should be able to analyze, design and develop technological solution for a given scenario.

PSO2: Students should be able to involve themselves in life-long learning and cultivate skills for successful career, entrepreneurship and higher studies.

## Department Activities

Department has organized various faculty development program and student development program during January 2022 to June 2022. Faculty of the IT department have conducted online lectures using Google classroom and Google meet and also used few simulation tools for conduction of practical sessions. Students are encouraged to publish their research work in reputed journals and to present in conferences.

## Department Initiatives:

- At least two BE projects should be mentored by industry experts.
- Organize at least two project competitions.
- Placement should be increased at least 10%.
- Faculty publication:100%

## Academic/ Technical achievements of students:

- ✓ Mr. Mayank Raj of SE IT has successfully completed foundation Data everywhere coursera course on January 08, 2022.
- ✓ Mr. Devang Mulye of SE IT has secured first position in Ideation conducted by IETE, SIESGST on January 29, 2022

✓ Ms. Koneti Madhurya of SE IT has completed "Introduction to Web Development an online non-credit course" authorized by University of California, Davis and offered through Coursera, January 2022.

✓ Ms. Sakshi Singh of SE IT has participated in Ideation conducted by IETE, SIESGST on January 29, 2022.

✓ Ms. Sakshi Singh of SE IT presented Poster in National Level Poster presentation conducted by CSI, SIESGST on January 28, 2022.

✓ Ms. Nishita Swaminathan of SE IT presented Poster in National Level Poster presentation conducted by CSI, SIESGST on January 28, 2022.

✓ Ms. Drashti Shah of SE IT has participated in Ideation conducted by IETE, SIESGST on January 29, 2022.

✓ Ms. Drashti Shah of SE IT has participated in Mono Acting competition at 54th inter college youth festival organized by university of Mumbai on January 22,2022.

✓ Ms. Drashti Shah of SE IT has successfully completed foundation of UX design coursera course on January 26, 2022.

✓ Ms. Arfah of BE IT is the Winner of the Machine Learning track in UnScript 2k22, a 24 hour national level hackathon organised by Fr. Conceição Rodrigues College of Engineering, Bandra (W) (Project Title: DermaCare: A mathematical model built using ML and signal processing concept to process the skin issues into dryness and oiliness and hence ultimately predict skin diseases which the skin could be prone to)in April 2022.

✓ Ms. Arfah of BE IT has participated and Selected for the final round of 16th Inter-Collegiate /Institute / Department Avishkar Research Convention 21-22, organized by, University of Mumbai Department of Students&#39; Development (Project title: Pothole Mapper for a

Safer India)in April 2022.

✓ Ms. Arfah of BE IT has Participated in PsychHack 2022, 36hr global hackathon, organized by the Google Developer Student Clubs, Ramrao Adik Institute of Technology, Nerul, March 2022.

✓ Ms. Arfah of BE IT is Winner of Squabble, national-level debate competition organized by IEEE SIESGST, TECHOPEDIA X, in March 2022.

✓ Ms. Jorapur Swati Vedavyasrao of SE IT has completed Internship from "Dongre Technoquip pvt ltd(Dquip)"from 15-Nov-2021 to 21-Feb-2022 with stipend.

✓ Mr. Aftaab Ahmed Sheikh and Ms. Arfah Upade of BE IT had developed a mobile app for a project titled 'Pothole Mapper for Safer India' won the 4th prize out of 40 finalists in the Anveshana Zone (mainly teams from Maharashtra & Gujarat state) Project Competition under the guidance of Prof. Bushra Shaikh, in March 2022.

✓ Mr. Aftaab Ahmed Sheikh and Ms. Arfah Upade of BE IT under the guidance of Prof. Bushra Shaikh had developed a mobile for a project titled 'Pothole Mapper for Safer India' won the 2 nd prize in national level poster project competition on innovative projects on 31/03/2022, Organized by Mechanical department, SIESGST

✓ Mr. Ritik Karayat, Mr. Manish Jadhav, Mr. Ashwath Nambiar of BE IT have presented paper titled "Web Application Penetration Testing and Patch Development", on 8th International IEEE Conference on Advanced Computing and Communication Systems ICACCS 2022 conference on 25th – 26th March 2022, Organized by Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India.

✓ Mr. Abhishek Singh and Mr. Mehul Aswar of TE IT have been selected for National Informatics Centre(NIC) Internship, in April 2022.

✓ Ms. Anchal, Mr. Samarjeet, Ms. Soham of BE have presented a paper

titled "College Election system using Blockchain" in international conference on April 7-8, 2022 organized by D Y Patil Deemed University.

✓ Mr. Atharva, Ms. Dharani, Mr. Surendra of BE have submitted copy right on work "Website Legitimacy and Automated fact Checking", on 22/4/2022

✓ Mr. Mahendra Choudhary, Mr. Rohit Sartandel, Mr. Anish Arun of BE have presented a paper titled; Crop Recommendation System and Plant Disease Classification using Machine Learning for Precision Agriculture in International Conference on Artificial Intelligence: Advances and Applications", on April 23-24, 2022 organized by Poornima College of Engineering, Jaipur.

✓ Ms. Sarabi, Ms. Pavitra, Mr. Vikrant of BE presented a paper "Secure asset transaction using Blockchain" in International conference on April 7-8, 2022 organized by D Y Patil to be Deemed University.

✓ Ms. Melvina Pushpam, Ms. Vaishnavi Mantri and Ms. Malvika Selven of BE presented a paper "Natural Disaster Detection using Satellite Images and Social media" in International conference on April 7-8, 2022 organized by D Y Patil to be Deemed University.

✓ Mr. Aftaab Shaikh, Ms. Shubhadarshini Nadar and Ms. Vanitha S of BE. Presented paper, "Video Descriptor using Attention Mechanism", in Springer conference on 22-23 April, 2022

✓ Mr. Suraj Iyer, Ms. Rabiya, Ms. Snehal wagh of BE have published paper in IJREAM Journal. Volume 08, Issue 01, ISSN 2454-9150 in April 2022.

✓ Mr. Bharat N, Mr. Nimish N, Mr. Kartik S of BE have submitted copy right on "Leveraging blockchain for creation of EHR", on 16/4/2022.

✓ Mr. Yassar Mohammed, Mr. Sidhesh Iyer and Mr. Ameyash Nagarajan of BE have presented paper "Dota2 draft recommendation system", in 6th International conference on

Trends in electronics and informatics (ICOEI 2022) organized by SCAD Institute of Technology, Tirunelveli on 30/4/2022

✓ Aftaab Ahmed Sheikh and Arfah Upade from BE - IT. Secured second position in 16th Avishkar Research Convention (2021-22) in Engineering and technology domain. This event was organised by Mumbai University, Topic for this research competition was Pothole mapper for safer India, in May 2022.

✓ Ms. Aditi Sawant, Mr. Rajkumar Kolanji and Mr. Nimit Sawant presented the paper entitled, "Heart Rate Prediction from Human Speech using Regression Models", in IEEE World Conference on Applied Intelligence and Computing (AIC 2022) on June 17-19, 2022.

✓ Mr. Pravin Nichal of TE IT got offer of paid internship from Grow90 company with stipend Rs. 15000/- per month starting from June 15, 2022.

#### **Faculty achievements :**

✓ Dr. K. Lakshmisudha has conducted faculty Orientation Programme of Wireless Technology & Sensor Lab (R-19)- SEM VI on behalf of University of Mumbai. This event was organized at SIES Graduate School of Technology on January 07, 2022. This event was coordinated by Prof. Seema Redekar and Prof. Stuti Ahuja.

✓ Ms. Leena Ladge has organized an event-Ideation (Idea Generation Competition) under IETE students forum in collaboration with EDC and NGO Blue Ribbons under MHRD initiative on Jan 29-2022

✓ Ms. Bushra Shaikh has presented the paper entitled 'Stock Price Prediction with Sentimental Analysis' in 4th International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)

✓ Ms. Bushra Shaikh has Presented the paper entitled 'Relarmy,-A Location Based Alarm Reminder System for Mobile Application' in 4th International Conference on

Smart Systems and Inventive Technology (ICSSIT 2022)

✓ Ms. Bushra Shaikh has completed a one week online ISTE approved Short Term Training Program (STTP) on "Flutter and PWA (Progressive Web Applications): Build Better Web Apps", held from January 3, 2022 to January 8, 2022, TEC.

✓ Ms. Samundiswary S has completed ISTE approved FDP on Webx.0 from 02/01/2022 to 08/01/2022, conducted by Xavier Institute of Technology, Mumbai.

✓ Prof. Leena Ladge coordinated and conducted "ISF Students' Day" celebration in collaboration with IETE Navi Mumbai Centre on Feb 01, 2022.

✓ Prof. Leena Ladge presented a research paper in 7th International Conference on Computing in Engineering and Technology", organized by BATU, Lonere on Feb 12-13, 2022.

✓ Prof. Leena Ladge organized "IPR Awareness Session" by Indian Patent Office, in collaboration with IQAC and MHRD IIIC, on Feb 18, 2022.

✓ Prof. Leena Ladge coordinated and organized Online Workshop on Do's and Don'ts on Research Writing & Technical Publication-on 6th, 13th, 19th, 27th February 2022 for faculty members of Science and Technology across all Institutions of SIES. This workshop was organized under IQAC-SIESGST in collaboration with Central Training Department (CTD) of SIES.

✓ Prof. Seema Redekar published a paper titled "Identification of key genes associated with survival of glioblastoma multiforme using integrated analysis of TCGA datasets" in Elsevier Journal "Computer Methods and Programs in Biomedicine Update" on February 16, 2022.

- ✓ Dr.K. Lakshmi Sudha has presented paper titled , “Web Application Penetration Testing and Patch Development”, on 8th International IEEE Conference on Advanced Computing and Communication
- ✓ Systems ICACCS 2022 conference on 25-26, March 2022, Organized by Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India.
- ✓ Prof. Leena Ladge conducted workshop on “Latex”, for BE IT students, on March 23, 2022.
- ✓ Dr. K. Lakshmisudha has presented a paper titled “College Election system using Blockchain” in international conference on April 7-8,2022 organized by D Y Patil Deemed University.
- ✓ Dr. K. Lakshmisudha, has submitted copy right on work “Website Legitimacy and Automated fact Checking”on 22/4/2022.
- ✓ Prof. Leena Ladge has presented a paper titled, “Crop Recommendation System and Plant Disease Classification using Machine Learning for Precision Agriculture” in International Conference on Artificial Intelligence: Advances and Applications, on April 23-24,2022 organized by Poornima College of Engineering, Jaipur.
- ✓ Prof. Leena Ladge and Prof. Savita Lohiya have organized. “Projexions”, poster presentation competition for BE students based on their final year projects, under IETE Students’ Forum, on April 21, 2022.
- ✓ Prof. Leena Ladge has organized Techxter 11.0, a National Level Technical Paper Presentation Competition under IETE Students’s Forum, on April 07, 2022.
- ✓ Prof. Leena Ladge has organized a session on “SAP for ERP Implementation”, for ERP students of BEIT, conducted by Mr. Nikhil Ambati, Accenture, on April 12, 2022.
- ✓ Ms. Mrinal khadse presented a

- paper “Secure asset transaction using Blockchain” in International conference on April 7-8,2022 organized by D Y Patil to be Deemed University.
- ✓ Prof. Savita Lohiya, has presented paper in 10th IEEE conference on Emerging trends and Engineering and Technology signal and Information processing on 29-30, April 2020 organised by Raison College, Nagpur.
- ✓ Ms.Stuti Ahuja, Melvina Pushpam, Vaishnavi Mantri and Malvika Selven presented a paper “Natural Disaster Detection using Satellite Images and Social media” in International conference on April 7-8,2022 organized by DY Patil to be Deemed University.
- ✓ Ms.Stuti Ahuja has Presented paper, “Video Descriptor using Attention Mechanism”, in Springer conference on 22-23 April, 2022.
- ✓ Prof. Savita Lohiya published paper in IJREAM Journal. Volume 08, Issue 01 ,ISSN 2454-9150.
- ✓ Mr. Amit Pandhare has submitted copy right on “Leveraging blockchain for creation of EHR”,on 16/4/2022.
- ✓ Ms.Samundiswary presented paper, “Dota2 draft recommendation system” in 6th International conference on Trends in electronics and informatics (ICOEI 2022)organized by SCAD Institute of Technology, Tirunelveli on 30/4/2022.
- ✓ Dr. Gayatri Bachhav has presented a paper titled “House Price Prediction System Using Machine Learning” in International Journal for Research in Engineering Application Management (IJREAM) ISSN : 2454-9150 Vol-08, Issue-01, April 2022.
- ✓ Dr. Gayatri Bachhav has presented a paper titled “Tourist Place Reviews Sentiment Classification Using Machine Learning Techniques” in

- International Journal for Research in Engineering Application Management (IJREAM) ISSN : 2454-9150 Vol-08, Issue-01, APR 2022.
- ✓ Prof. Seema Redekar and Prof. Lakshmisudha organized expert talk on “Next Generation Networks” on 11/4/2022 for SE, TE and ME IS students by Mr. Chandan Sharma, CCIE security certified instructor and consultant, Horizon computers.
- ✓ Ms.Vishwayogita Savalkar presented paper, “Present and Future of Automated Mammographic Density Measurement for Breast Cancer Risk Prediction”, in 4th International Conference on Intelligent Circuits and Systems on April 8-9, 2022.
- ✓ Ms. Seema Redekar has Presented the paper entitled, “A Survey on Community Detection Methods and its Application in Biological Network”, in IEEE International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2022) on May 10,2022.
- ✓ Ms. Seema Redekar has Presented the paper entitled “AI Based E-Commerce Web Application For Event Management” in International Conference on Contemporary Engineering And Technology (ICCET 2022) on May 21, 2022.
- ✓ Ms. Seema Redekar has Presented the paper entitled “IOT Based Smart Security and Surveillance System”, in International Conference on Contemporary Engineering And Technology (ICCET 2022) on May 21, 2022.
- ✓ Ms. Savita Lohiya has Published paper titled “ Sign Language Recognition Using Tensor Flow Object Detection”, in International Journal of Scientific Research in Engineering and Management (IJSREM)Volume: 06 Issue: May 05,2022.
- ✓ Ms. Bushra Shaikh has published the paper entitled

Admin Panel for Heterogeneous Databases”, in International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume 06, Issue 05 May 2022.

- ✓ Ms. Seema Redekar has Presented the paper entitled “Heart Rate Prediction from Human Speech using Regression Models”, in IEEE World Conference on Applied Intelligence and Computing (AIC 2022) on June 17-19, 2022.
- ✓ Prof. Gayatri B. conducted sessions in Student Development Program on “Natural Language Processing”, organized by Department of Information Technology, from June 27 to July 02, 2022.

#### **Faculty Development Programs:**

- ✓ Mr. Amit P has attended Faculty orientation program on Subject: Mini Project -2 Based on ML (ITM601) SEM VI 14th JAN 2022.
- ✓ Mr. Amit P has attended Faculty orientation program on Subject: "Artificial Intelligence and Data Science- 1(TH) & "Data Science using Python: Skill based lab" on 3rd Jan 2022.
- ✓ Ms .Savita Lohiya has attended "Data Mining and Business Intelligence & BI Lab" organized by Shah & Anchor Kutchhi Engineering College, Mumbai . in association with University of Mumbai on 5th January, 2022.
- ✓ Ms. Samundiswary has attended “Web X.0 & Web Lab” organized by Xavier Institute of Technology, Mumbai.. in association with University of Mumbai on 6th Jan, 2022.
- ✓ Dr. K. Lakshmisudha has conducted Faculty Orientation program on “Wireless Technology & Sensor Lab” organized by Department of Information Technology, SIES GST in association with University of Mumbai on 7th January 2022.
- ✓ Mr. Amit P. has attended the

online Faculty Orientation Program (FOP) on “AI and DS-I and DS using Python skill based Lab” of semester V, Revised 2019 Scheme on 03-01-2022 organized by Thadomal Shahani Engineering College in association with University of Mumbai

#### **Student Development Programs:**

- ✓ IT department has organized Student Development Program on “Programming, Databases and Soft Skill”, from June 27 to July 02, 2022.
- ✓ IT department has organized Student Development Program on “Natural Language Processing”, from June 27 to July 02, 2022.
- ✓ Ms. Mrinal Khadse and Ms. Bushra Shaikh conducted Student Development Program on “DevOps” organized by Department of Computer Engineering, from June 28 to July 02, 2022.
- ✓ Prof. Savita Lohiya, Prof. Seema Redekar, Prof. Stuti Ahuja conducted Student Development Program on “Programming, Databases and Soft Skill” organized by Department of Information Technology, from June 27 to July 02, 2022.

#### **Seminars /workshops organized by**

##### **IT Department:**

- ✓ Ms. Bushra S. organized an expert talk on “Flutter- UI design and API”, on 9-04-2022 for TE students by, Mr. Piyush Matto.
- ✓ MS.Samundiswary S organized an expert talk on “API development using Node.js and Mongo db”, on 9-04-2022 for TE students by, Mr Altaf Ali Backend Developer Procreators and Mr.Sunil Poojari working in L&T
- ✓ Ms.Vishwayogita Savalkar organized an expert talk on “AWS” on 12/04/2022 for BE IT BE CE students by Pooja Kallaht, Identity and Access Management Developer at

Morningstar.

- ✓ IT department has organized Orientation Programme on Wireless technology & Sensor Lab (Rev 2019)

#### **Seminars /workshops/Faculty**

##### **Development Program attended by**

##### **IT Department Faculty :**

- ✓ Ms. Amit Pandhare has attended Faculty Orientation program on “Mini Project – 2 A Web Based” organized by Rajiv Gandhi Institute of Technology in association with University of Mumbai on 14 January 2022.
- ✓ Ms. Mrinal Khadse has attended Faculty Orientation program on “DLO-Ethical Hacking and Forensic ” organized by Shah & Anchor Kutchhi Engineering College, Mumbai In association with University of Mumbai on 11th January, 2022.
- ✓ Dr. K. Lakshmisudha has attended Faculty Orientation program on “DLO- Image Processing” organized by Pillai College of Engineering in association with University of Mumbai on 12th Jan 2022.
- ✓ Ms. Bushra Shaikh has attended Faculty Orientation program on MAD and PWA Lab” organized by Terna College of Engineering in association with University of Mumbai on 4th Jan 2022.
- ✓ Dr. Lakshmi Sudha has participated in the two day “National Level Workshop on NIRF INDIA RANKINGS - 2022 For Higher Educational Institutions” held on 5th & 6th January, 2022 through Online, conducted by Institute for Academic Excellence in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana.

#### **Quote from the Editor’s Desk:**

*“You have to grow from the inside out. None can teach you, none can make you spiritual. There is no other teacher but your own soul.” – Swami*

