



IT NEWS LETTER

DEPARTMENT OF INFORMATION TECHNOLOGY

July-December 2020

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 158 computers with Internet connectivity, two hardware laboratory and 10 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 4 non teaching staff in tandem with an equally well equipped library (both Institutional and departmental). Department has been NBA accredited from 2012-2014.

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. Amit Pandhare



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 July 2020 to December 2020. Faculty of the IT department have conducted online lectures using teams and also used few simulation tools for conduction of practical sessions. Students are encourage 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. Mehul Aswar of SE IT successfully completed ISRO IIRS course on “Satellite Photogrammetry and Remote Sensing”
- ✓ Mr. Mehul Aswar of SE IT has conducted Entrepreneurship Bootcamp by E-Cell IIT Bombay.Mr. Ronit Dey of SE IT

successfully completed the IIRS course on “Satellite Photogrammetry and Remote Sensing”.

- ✓ Ms. Monika Koneti of TE IT has done internship at Silverlabs India Private Limited from July 17, 2020 to July 30, 2020 on Content Creation and User Acquisition under the guidance of Ms. Neha Jain.
- ✓ Ms. Koneti Monika TE IT has done internship at Silverlabs India Private Limited from June 10, 2020 to July 10, 2020 on User Acquisition and Collaborations under the guidance of Mr. Nithin Kumar Sangaraju.
- ✓ Ms. Sara Nayak, Ms. Reethika Renganathan, Mr. Ashwin Nair, Ms. L.R Saritha, Ms. Leena Ladge published a paper on “Smart Car Parking System using Wireless Sensor Networks” 10.1109/ICISC47916.2020.9171154, 19 August 2020, 2020 Fourth International Conference on Inventive Systems and Control (ICISC), Publisher: IEEE
- ✓ Ms. Pooja Shetty of of TE IT has for shortlisted for next stage of Anveshana Mumbai 2021 event for her IOT project Bridge Monitoring System.
- ✓ Jai Janani Radhakrishnan of SE IT has completed ‘ Spring Framework - Bean Creation - A Practical Approach’ from Udemy from October 2-5,2020.
- ✓ Jai Janani Radhakrishnan of SE IT has completed ‘ Spring Framework and Dependency Injection For Beginners’ from Udemy from October 9-11,2020.
- ✓ Jai Janani Radhakrishnan of SE IT has completed ‘ Internet of things IoT- in Action (The software stack)’ from Udemy from October 14-15,2020.
- ✓ Jai Janani Radhakrishnan of SE IT has completed ‘Data Structures in C++ ’ from Udemy from October 22-24,2020
- ✓ Jai Janani Radhakrishnan of SE IT has completed ‘ Beginner PHP and MySQL Tutorial’ from Udemy from

October 29-31,2020

- ✓ Jaishankar Gurumurthi of BEIT has presented Paper entitled “Self Driven UGV for Military Requirements” at Guru Nanak Institute of Technology from August 28-29, 2020.
- ✓ 1. Ms. Aditi Namdeo of BE IT has completed Data Science internship at the Sparks Foundation in the month of November 2020
- ✓ 1. Ms. Aditi Namdeo of BE IT has completed internship at White hat Junior in the month of December 2020

Faculty achievements :

- ✓ Dr.K.Lakshmisudha, Mr. Aditya Acharya, Anandu Gopi, Karthik Iyer have presented a paper titled “Video Colorization” in the IEE International conference on Electronics and Sustainable Communication Systems(ICESCS 2020) organized by Hindustan Institute of Technology, Coimbatore, Tamilnadu, India during 02-02, July 2020.
- ✓ Dr. K.Lakshmisudha has successfully completed 6 weeks online course on " The Bits and Bytes of Computer Networking" from course era on August 7, 2020.
- ✓ Dr.K.Lakshmisudha has submitted the DST proposal on “Up gradation and Establishment forward linkages of ST community for development of gainful employment opportunities in ShahapurTaluka,Thane District, Maharashtra State” on October 15, 2020.
- ✓ Dr. K.Lakshmisudha has reviewed a paper for the journal titled “The KSII Transactions on Internet and Information Systems (TIIS)”, this journal is online scholarly journal indexed in SCIE (Thomson Reuters) and SCOPUS (Elsevier) and published by KSII and supported by KETI.
- ✓ Dr. K. Lakshmi Sudha, Ms. Bushra S and Mr. Karthik Mudaliar have completed the consultancy project “Document Gathering” for Ellipsis RBS, Mumbai, Maharashtra.
- ✓ Prof. Leena Ladge and Prof. Seema Redekar, has reviewed a paper for

the "4th Biennial International Conference on Nascent Technologies in Engineering" organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.

- ✓ Savita Lohiya has published paper on "Automatic Extraction of Text Notes from Video Tutorial at International Journal of Engineering Research and Applications, July 2020.
- ✓ Ms. Stuti Ahuja has published paper entitled "Inverse Synthetic Aperture Radar (ISAR) Image Recognition Using Deep Learning" in IEEE conference ACCTHPA 2020 FISAT, Kerala, July 2-4, 2020.
- ✓ Ms. Stuti Ahuja has published paper entitled "Semantic Analysis and Classification on Twitter Spam Dataset" in IEEE conference ACCTHPA 2020 FISAT, Kerala, July 2-4, 2020.
- ✓ Ms. Stuti Ahuja has published a book entitled "Change Detection in Satellite images" with Lambert Publications in July 2020. ISBN: 978-81-946643-2-1.
- ✓ Ms. Bushra Shaikh has completed 'Build a Data Science Web App with Streamlit and Python' through Coursera on 18th July, 2020.
- ✓ Prof. Amit Pandhare has completed Certification course on "Basic Python Basics on coursera by Michigan University".
- ✓ Mr. Amit Pandhare has successfully completed online specialization certificate in Python 3 Programming from coursera in August 2020.

Faculty Development Programs:

- ✓ Dr. K. Lakshmisudha has attended the FDP for DBATU, SPPU, MU and Western Region WRO on "Universal Human Values in Higher Education (An AICTE Initiative)" from July 2/7/2020 - 6/7/2020.
- ✓ All the faculty members of IT

Department have attended Faculty Development Program on "Team Synergy" on Thursday, 27 August 2020, conducted by Mr. Gaurav Ghelani, Academic Relationship Manager - India West & Central, Tata Consultancy Services.

- ✓ All the faculty members of IT Department have attended Faculty Development Program on "Use of Games & Simulations in Teaching" on Thursday, 10th September 2020, conducted by Mr. S. Shiralkar, an expert from Tata Consultancy Services,
- ✓ All the faculty members of IT Department have attended training by the Juno team on the Academic Module on Sept. 25, 2020.
- ✓ Dr. K. Lakshmisudha, Prof. Leena Ladge, Prof. Mrinal K., Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Mr. Amit P. Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on "Data Visualization using Tableau" on 24/10/2020 from 2.00-4.00 PM conducted by Ms. Varsha Mali, Data Scientist, Great Learning.
- ✓ Dr. K. Lakshmi Sudha, Prof. Mrinal K., Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on "Internet of Things " conducted by senior expert Mr. Prasad Ghag from Tata Consultancy Services at 3.30 pm on Friday, Nov 6th, 2020.
- ✓ Dr. K. Lakshmisudha, Prof. Leena Ladge, Prof. Mrinal K., Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on " Agile Methodology and Current Trends" conducted by Mr. Krishna Bidwai, Senior Manager, Cognizant at 2.30 pm on Friday, November 20th, 2020.
- ✓ Dr. K. Lakshmisudha, Prof. Leena Ladge, Prof. Mrinal K., Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on "Resilience Management" conducted by Leadership coach and Trainer Mr. Vidhu Sharma at

3.00 pm on Friday, November 21st, 2020.

- ✓ Ms. Suneha Patil has participated in QIP on "Machine Learning techniques", 21-12-20 to 25-12-20 organized by IIT, Roorkee.
- ✓ Mr. Amit Pandhare has participated in QIP on "Machine Learning techniques", 21-12-20 to 25-12-20 organized by IIT, Roorkee.

Seminars /workshops organized by IT Department:

- ✓ Ms. Mrinal Khadse has conducted Faculty Orientation Program for revised syllabus 'Rev-2019-'C' scheme' of Information Technology Sem III, for the course 'Paradigms and Computer programming fundamentals' and Computer Programming Paradigm Lab organized by Department of Information Technology – Konkan Gyanpeeth College of Engineering, Karjat in association with University of Mumbai on 09 July, 2020.
- ✓ 3. Dr. K. Lakshmisudha has organized an Expert talk on "Career Enlightenment on Networking and Cyber Security" by Mr. Mohammad Junaid, Information Security Specialist, Al Jazeera Finance on October 23, 2020 for BE IT.
- ✓ Prof. Seema Redekar, IT department has organized a Faculty Development Program on "Data Visualization using Tableau" on 24/10/2020. The session was conducted by Ms. Varsha Mali, Data Scientist, Great Learning.
- ✓ Prof. Bushra Shaikh has organized an Expert/Technical talk on 'Cross Platform App Development using Xamarin' by Mr. Ajay Pendem, Application Developer at Coderray technologies, on 31st October for BE IT.
- ✓ Ms. Mrinal Khadse, has organized FDP on "Evolution of Software Development Processes" conducted by Mr. Naresh Pradhan, Domain Consultant/ IT Integrator/ Project Manager for a banking customer, Tata Consultancy Services.

Seminars /workshops/Faculty Development Program attended by IT Department Faculty :

- Ms. Seema Redekar has attended Faculty Orientation program on "Mini Project-IA, Sem-III(IT), organized by Vidyalkar Institute of Technology on behalf of University of Mumbai. on July 03,2020.
- Ms. Seema Redekar has attended Faculty Orientation program on Java Programming (SBL), Sem-III(IT) organized by Information Technology department of SAKEC on behalf of University of Mumbai, on July 07,2020.
- Ms. Stuti Ahuja has attended the faculty orientation program for JAVA on July 6, 2020.
- Ms. Stuti Ahuja has attended the faculty orientation program for DSA on July 8, 2020.
- Ms. Bushra Shaikh has attended the Faculty Orientation Program for revised syllabus 'Rev-2019-'C' scheme' of Information Technology for the course 'Database Management System' (ITC303) and SQL Lab (ITL302)' organized by K. J. Somaiya Institute of Engineering and Information Technology in association with University of Mumbai on 2nd July, 2020.
- Ms. Bushra Shaikh has attended 'International Webinar on Intellectual Property: File your

rights on your own' conducted by the IPRCell SAKEC in collaboration with RGNIPM on July 21,22&24,2020.

- Ms. Saritha L. R. has attended Faculty Orientation Programme for revised syllabus for the course Paradigm and Computer Programming Fundamentals and Computer Programming Paradigm Lab organized by Department of Information Technology – Konkan Gyanpeeth College of Engineering, Karjat on 9th July, 2020.
- Ms.Saritha L. R. has attended Faculty Orientation Programme for revised syllabus for the course JAVA SBL organized by SAKEC on 6th July, 2020.
- Prof. Stuti Ahuja successfully completed ten days Webinar series on "Matlab Master class 2020" Organized by IETE Mumbai and Pantech Prolabs India Pvt. Ltd.
- Dr. k.Lakshmisudha, Prof.Leena Ladge, Prof. Mrinal K.,Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Mr. Amit P. Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on "Data Visualization using Tableau" on 24/10/2020 from 2.00-4.00 PM conducted by Ms.

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- Dr. K. Lakshmisudha, Prof. Leena Ladge, Prof. Mrinal K., Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Prof. Samundiswary, Prof. Suneha Patil have attended FDP on "Evolution of Software Development Processes" conducted by Mr. Naresh Pradhan, Domain Consultant/ IT Integrator/ Project Manager for a banking customer, Tata Consultancy Services.
- Dr. K. Lakshmi Sudha, Prof. Mrinal K.,Prof. Savita L., Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on "Next Generation Technology " conducted by Mr. Aniket Mhala ,Global Technology Head - Microservices, DevOps and Agile Practice at Oracle.
- Ms. Stuti Ahuja has participated in Remote Sensing and Geospatial Intelligence symposium from 14 to 17 Dec, at VJTI.

Quote from the Editor's Desk:

"You should not give up and we should not allow the problem to defeat us." –

Dr. A. P. J. Abdul Kalam