NEWSLETTER

Second Half 2017

Dr. Rizwana Shaikh (HOD)
Department of
Computer Engineering

FROM THE HOD's DESK

Department of Computer Engineering of SIES GST started in year 2002 offers undergraduate programme in Computer Science where students are exposed to concepts of computer engineering to motivate their humanities, innovation, creative and problem solving abilities, intellectual honest and professional ethics, and capacity for teamwork in interdisciplinary, national and international environment. The students are nurtured to become better professionals in their career.

DEPARTMENT NEWSLETTER

COMPUTER ENGINEERING DEPARTMENT
SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL
VOLUME I ISSUE 2

VISION

- To Impart quality education to meet the professional challenges in the area of Computer Engineering.

- To create an environment for research, innovation, professional and social development.

- To nurture lifelong learning skills for achieving professional growth.

- To strengthen the alumni and industrial interaction for overall development of students.

MISSION

To be a centre of Excellence in Computer Engineering to fulfill the rapidly growing needs of the Society.

DEPARTMENT NEWSLETTER

Program Educational Objectives (PEOs)

- Practice Computer engineering in core and muti-disciplinary domains.

- Exhibit leadership skills for professional growth.

- Pursue higher studies for career advancement.

Program Specific Outcomes (PSOs)

- To apply computational and logical skills to solve Computer engineering problems.

- To develop interdisciplinary skills and acquint with cutting edge technologies in software industries

FACULTY PROFILE

No	Name	Qualification	Designation	Area of Interest
1.	Ms. Aparna Bannore	B.E(CSE), M.E (CE), Ph. D*	Associate Professor	Cyber security and Signature security.
2.	Mr. Rajesh Kadu	B.E, M. Tech (CE), Ph. D*	Associate Professor	Cognitive Radio Network Security
3.	Dr. Rizwana Shaikh	B.E(I.T), M.E(CE), Ph. D	Associate Professor	Cloud Computing and Security
4.	Ms. Deepti Reddy	B. Tech, M.E (CE), Ph. D*	Associate Professor	Semantic web, Intelligent Tutoring System, Engineering Education, E.T..
5.	Ms. Prachi Shahane	B.E(CSE), M.E (CE)	Assistant Professor	Artificial Intelligence, Internet Of Things
6.	Ms. Suvarna Chaure	B.E(CSE), M.E (CE)	Assistant Professor	Security
7.	Mr. Sunil Punjabi	B.E, M.E (CE)	Assistant Professor	Software Engineering
8.	Ms. Pranita Mahajan	B.E(CSE), M.E (CE)	Assistant Professor	NLP, Machine Learning, Data Analytics.
9.	Ms. Ujwala Ravale	B.E, M.E (CE)	Assistant Professor	Network Security, Machine Learning

FACULTY PROFILE

No	Name	Qualification	Designation	Area of Interest
10.	Ms. Preeti Godbole	B.E. (CS), M.Tech(C.N.E), Ph. D*	Assistant Professor	Real Time Systems, IOT, Parallel Computing and HPC
11.	Ms. Masooda Modak	B.Tech (IT), M.E (CE), Ph.D*	Assistant Professor	Learning Analytics, Data Mining, E-learning
12.	Ms. Anindita Khade	B.E., M.E (CE)	Assistant Professor	Machine Learning, Data Analytics, Data Mining
13.	Ms. Varsha Patil	B.E., M.E (CE),PhD*	Assistant Professor	I.P., Data Mining, Machine Learning, Natural Language Processing
14.	Ms. Kalyani Pampattiwar	B.E. (CSE), M.E (CE)	Assistant Professor	Security, Data Mining
15.	Ms.Namrata Patel	B.E., M.E (CE)	Assistant Professor	Web Mining
16.	Ms. Kranti S Bade	B.E.(IT), M.E(CSE)	Assistant Professor	Data Mining
17.	Ms. Roopal Mamtora	B.E., M.E (CE)	Assistant Professor	Software Engineering, Machine Learning

FACULTY PROFILE

No	Name	Qualification	Desination	Area of Interest
18.	Ms. Asmita Shejale	B. Tech., M.E (CE)	Assistant Professor	Machine Learning, Data Analytics
19.	Ms. Yashashree Bendale	B.E., M.E (CE)	Assistant Professor	Cloud Computing
20.	Ms.Vaishali Bhujade	B.E., M.E. (CE)	Assistant Professor	Machine Learning, Data Analytics

NON TEACHING STAFF

No	Name
1.	Mr. Srinivas B.
2.	Mr. Sai Krishna
3.	Mr. Bhagesh W.
4.	Mr. Sudhir P.

CLASS STRENGTH

Year	Total No of students	Boys	Girls
S. E.	116	70	46
T. E.	113	63	50
B. E.	110	64	46

FACULTY ACHIEVEMENTS

PAPERS PUBLICATION

- Prof. Rizwana Shaikh, "Measuring Data security for a cloud service", 3rd International Conference on Computing, Comm. and Automation (ICCUBEA-2017) Pune, 17-18 Aug 2017.

- Dr. Rizwana Shaikh, Prof. Massoda Modak, Prof. Roopal M and Prof. Kalyani P, "Real Time Pothole Detection using Android Smartphone and IOT based Approach, "Int. Conf. Electrical, Electronics, Comp., Comm., Mechanical and Computing (EECCMC)", Vellore, Tamilnadu ,IEEE.

- Prof. Rajesh Kadu, "Authentication and Secure Communication in CSS Cognitive Radio Networks" IPASJ International Journal of Computer Science (IIJCS), ISSN: 2321-5992, Volume 5, Issue 10, October 2017.

- Prof. Rajesh D. Kadu, "Detection of Spectrum Sensing Data Falsification Attacker in CSS Cognitive Radio Networks" 3rd IEEE Int. Conf. on Computing Comm., Control and Automation (ICCUBEA 17), Pune, 17-18 Aug 2017.

- Prof. Aparna Bannore, "Conference on Intelligent Information Technology, Dec 2017, (ICIIT 2017), Chennai, India, Springer CCIS.

- Prof. Prachi S and Prof. Preeti Godbole, "Cognitive Approach for real time monitoring of CO and CO_2 emissions in vehicles", UGC Approved ,Journal for Advanced Research in Applied Science, Volume 5 Issue 1, Jan 2018.

- Prof. Suvarna Chaure, Prof. Anindita K., Prof. Ujwala Ravale and Prof.Namrata Patel, "SMART TRASH: An Efficient Way for monitoring Solid Waste Management, IEEE-CTCEEC conference., August 2017.

FACULTY ACHIEVEMENTS

NPTEL & Other Online Courses

- Prof. Pranita Mahajan received Elite certificate in courses "Introduction to Research" and "Introduction to Machine Learning".
- Prof. Roopal Mamtora completed "Introduction to Machine Learning".
- Prof. Prachi Shahane completed, "Introduction to Data Analytics".
- Prof. Namrata Patel received Elite Certificate, "Cloud Computing Laboratory".
- Prof. Prachi Shahane completed, "Introduction to Data Analytics".
- Prof. Kalyani Patel received Elite certificate, "Cloud Computing".
- Prof. Masooda Modak received Elite, "Cloud Computing".
- Prof. Sunil Kumar Punjabi completed, "Information Security".
- Prof. Kranti Bade received Successfully Completed certificate, "Design Algorithm".
- Prof. Aparna Bannore received Elite certificate, "Information Security".
- Prof. Ujwala R received Elite certificate, "Information Security" and "Design Algorithm".
- Prof. Masooda Modak completed Introduction to R and Introduction to Python course offered by DataCamp.
- Prof. Pranita Mahajan completed three courses on "Introduction to R track", offered by Datacamp.

RESEARCH PROPOSALS

Eighteen faculties have prepared and submitted seven minor research proposals to Mumbai University.

STTP

AICTE-ISTE Approved Five days STTP on "Cyber Security and Digital Forensics" from 03/07/2017 To 07/07/2017.

WORKSHOP

Prof. Pranita Mahajan coordinated Two days workshop on" Introduction to Machine Learning", by IIT Kharagpur 16th and 17th Dec 2017.

Student Development Programme

- Prof. Kalyani P, Prof. Masooda M, Prof. Roopal M, Prof. Ujwala R, Prof. Namrata P. conducted five day workshop on Basic Linux and LAMP.

- Prof. Pranita Mahajan and Prof. Monika Sharma conducted five day workshop on R Programming from 5 th June to 9th June.

- Mr. Stephen, Suven Technologies conducted Workshop on Bootstrap 3 Framework on 5th August 2017.

- Mr. Dilip Balasubramanian, "We Can Educate, conducted Image Processing using Python", 4th Sep to 14th sep 2017.

- CSI Council, PC Assembly Workshop on 22nd sep 2017.

- Prof. Pranita Mahajan, Prof. Anindita Kade, Prof. Prachi Shahane, Prof. Yashashree Bendale conducted Data mining with R workshop for T.E. students from 11th Dec to 15th Dec 2017.

- Prof. Suvarna Chaure, Prof. Aparna Bannore, Prof. Preeti Godbole, Prof. Ujwala Ravale conducted Ethical Hacking Workshop and Security for T. E. from 11th to 15th Dec 2017.

- Prof. Pranita Mahajan, Prof. Yashashree Bendale conducted Introduction to R workshop for S.E. students from 20th Dec 2017 to 23rd Dec 2017.

Student Development Programme

- Prof. Varsha Patil Conducted SDP on Image Processing at RAIT on 27th Dec 2017.
- Prof. Pranita Mahajan conducted one month internship for Third year students in which students have completed two projects titled "Placement prediction" and "Contribution of attendance towards result"
- CSI - Coding Competition on C programming on 8th and 15th Sep 2017.
- CSI- Coding Competition on Java programming on 8th Sep 2017.

ARTICLE

Mugs That Heat Your Coffee Just Right: Ember Mug

Editor: Varsha Patil

Anyone who's ever sipped coffee knows how temperature can affect taste: if it's too hot, it'll scald your mouth; too cold and it's barely worth drinking. By one estimate, you have only about 37 seconds to enjoy the brew at an ideal level of warmth.

Solution is the stainless-steel Ember mug. Reinforced in white ceramic coating, it keeps coffee or tea at a precise temperature—anywhere from 120°F to 145°F, set through an app—for about an hour on its own and for an unlimited amount of time on its charging saucer. It's the second in Ember's series of smart drinking devices, following a temperature-control tumbler last year.

STUDENT ACHIEVEMENTS

NO.	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT (CURRICULAR, CO-CURRICULAR & EXTRA-CURRICULAR)
1.	Akansha Pradhan & Rutuja Patil	TE/V	Own 1st position in 'MIND SPARK'
2.	Akansha Pradhan	TE/V	Secured 3rd position in Debate in 50th intercollegiate youth festival
3.	Omkar Prabhu	TE/V	Campus representative for annual multi-round programming competition.
4.	Omkar Prabhu	TE/V	Passed CCDSAP Foundation Exam
5.	P. V. Siddharth	TE/V	Participated in 3D Animation Workshop by Arena Animation, Vashi

STUDENT ACHIEVEMENTS

NO.	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT (CURRICULAR, CO-CURRICULAR & EXTRA-CURRICULAR)
6.	P. V. Siddharth	TE/V	Completed 2 months Duration course on "Front End Development" by ITLH Belapur.
7.	Pratiksha P.	SE/III	1st in District level Debate Competition conducted by MU
8.	Roshani Patil	TE/V	Completed NPTEL certification in Cloud Computing.
9.	Almas Hamid	TE/V	Participated in "Hybrid App Development" workshop.

Internship & Placements

Internship

Students are actively involved in offline/online internship activities. College also provides internship opportunities through various SDP's. Students completed their internships from various companies like Internshala Trainings, Experts HUB(IOT), OroidTechknow, NPCIL.

Placements

Computer department placement is consistently good. Students are placed in various esteemed companies. Their selection is through aptitude test, programming test, group discussion and technical interviews.

In this SH 2017, Students are placed in companies like Xoriant, GEP, Reliance Jio, Reliance Industries, Zycus, Ingram, Capgemeni, LTI, Majesco etc. Students got highest package of 5.5 from Reliance Industries.

SE-SECOND HALF 2017 (Semester III)

Rank	Name of student	CGPI
1	Shweta Shekhar	10
2	Ade Chetan	9.54
3	Rao Shruti	9.54

TE-SECOND HALF 2017 (Semester V)

Rank	Name of student	CGPI
1	Shetty Shrinidhi	9.96
2	Rane Arpita	9.67
3	Shukla Jasmine	9.67

BE-SECOND HALF 2017 (Semester VII)

Rank	Name of student	CGPI
1	Shraddha Naik	9.84
2	Shravya Manety	9.68

ARTICLE

Internet of Things (IoT)

Editor: Vignesh V.

The Internet of Things (IoT) describes the network of physical objects—"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. These devices range from ordinary household objects to sophisticated industrial tools.

A lightbulb that can be switched on using a smartphone app is an IoT device, as is a motion sensor or a smart thermostat in our office or a connected streetlight. An IoT device could be as fluffy as a child's toy or as serious as a driverless truck. Some larger objects may themselves be filled with many smaller IoT components, such as a jet engine that's now filled with thousands of sensors collecting and transmitting data back to make sure it is operating efficiently. At an even bigger scale, smart cities projects are filling entire regions with sensors to help us understand and control the environment.

ARTICLE

The term IoT is mainly used for devices that wouldn't usually be generally expected to have an internet connection, and that can communicate with the network independently of human action. For this reason, a PC isn't generally considered an IoT device and neither is a smartphone -- even though the latter is crammed with sensors. A smartwatch or a fitness band or other wearable device might be counted as an IoT device.

What Technologies Have Made IoT Possible?

- Access to low-cost, low-power sensor technology
- Connectivity
- Cloud computing platforms
- Machine learning and analytics
- Conversational artificial intelligence (AI)

EDITORIAL BOARD

PROF. VARSHA PATIL   **PROF. KRANTI BADE**

Editorial Board:

- Dr. Rizwana Shaikh [HoD]

- Ms. Varsha Patil [Assistant Professor]

- Ms. Kranti Bade [Assistant Professor]

- Students Members: Shruti P., Rashi Jaiswal

Editorial board is glad to release the current issue of our Department Newsletter January 2018. We appreciate the efforts taken by the editorial board in compiling useful information & activities by department. The contribution and dedication of faculty members, students is continuously helping the newsletter in stepwise manner for achieving new milestone.

Newsletter divulge that the department is trying hard to achieve various dimensions such as academic, co-curricular and extra co-curricular activities.