

# NEWSLETTER

## Second Half 2018



Dr. Rizwana Shaikh  
(HOD)  
Department of  
Computer Engineering

## FROM THE HOD'S DESK

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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.

## COMPUTER ENGINEERING DEPARTMENT SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL VOLUME 2 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.

## Program Educational Objectives (PEOs)

- Practice Computer engineering in core and multi-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 acquaint 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, Educational Technology.
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	Natural language processing, 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), Ph. D*	Assistant Professor	Image Processing, 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. Vaishali Bhujade	B.E., M.E (CE)	Assistant Professor	Machine Learning

# NON TEACHING STAFF

No	Name
1.	Mr. Srinivas B.
2.	Mr. Saikrishna J.
3.	Mr. Bhagyashal W.
4.	Mr. Sudhir P.

# CLASS STRENGTH

Year	Total No of students	Boys	Girls
S. E.	109	65	44
T. E.	118	71	47
B. E.	108	64	44

# FACULTY ACHIEVEMENTS

## PAPERS PUBLICATION

- Dr. Rizwana Shaikh, Prof. Kalyani Pampattiwari, Prof. Anindita Khade and Prof. Masooda Modak, "A smart and prognostic approach to park vehicles using IOT", JASC, Volume V, Issue XII, Dec 2018, DOI: 16.10089/JASC.
- Prof. Aparna Bannore, "A comprehensive review of computer forensics", International Journal of Computer Engineering and Applications, Volume XII, Issue VII, July 18, [www.ijcea.com](http://www.ijcea.com) ISSN 2321-3469.
- Prof. Suvarna Chaurse, Prof. Sunil K Punjabi, Prof. Ujwala Ravale, "Smart Intelligent system for Women and Child security" IEEE 9th Annual Information Technology, Electronics, and Mobile communication Conference, 1-3 Nov 2018 at Vancouver, BC, Canada. DOI:10.1109/IEMCON.2018.8614929.
- Prof. Pranita Mahajan, "Aspect based opinion mining of code mix text" in Journal of applied science and computations, Oct 2018.
- Prof. Pranita Mahajan, "An IOT based system for water quality Monitoring" IEEE, ICNTET Sept 2018.

# RESEARCH PROPOSALS

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- Prof. Anindita Khade, Dr. Rizwana Shaikh, Prof. Masooda Modak and Ms. Kalyani Pampattiwar submitted minor research grant proposal on topic for “Smart Agriculture using Fog Computing”, under area of IoT and Fog Computing.
- Prof Vaishali Bhujade and Prof. Pranjali Thakre submitted minor research grant proposal on topic for “Smart Wardrobe” using IoT.

## WORKSHOP

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All faculty have attended one day workshop on “Networking with LINUX” on 05 August 2018 conducted by Mr. Kharat.



## STTP

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- All faculty members have attended STTP on “Computer Network and Security”.

## SDP

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- Student Development Program on “Network Security and Ethical Hacking” under Centre of Excellence – e-Security.
- Student Development Program on “GD PI and Role Play” for final year students of CE/EXTC/IT and MECH , under Career Development Cell.
- Workshop on Android Programming total 56 students attended.
- Seminar on Codechef Activities. Total 42 students participated.
- Seminar on Industry Expectations from Engineering students 121 students participated.

### Making Gaming More Inclusive

Editor: Prof. Namrata Patel

For people with limited hand and arm mobility, it can be tough to play video games, which are generally controlled using small buttons and joysticks. And while some gamers and small companies have engineered hacks, major gaming companies have largely remained on the -sidelines—until now. Inspired by an internal hackathon and informed by work with groups like the Cerebral Palsy Foundation, Microsoft developed the Xbox Adaptive Controller., an oversize version of its classic rig designed to empower as many gamers as possible. Its main buttons, for example, are roughly 4 in. in -diameter—large enough to be pressed with an elbow or chin, if necessary. It also features ports to accommodate additional aids, like a foot pedal.



# STUDENT ACHIEVEMENTS

NO.	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT ( CURRICULAR, CO-CURRICULAR & EXTRA-CURRICULAR)
1.	Bharat K., Aarti B, Riona A. and Ketan G.	BE/VII	Won Super Team Award in Deep Blue Project competition conducted by Majesko
2.	Aditya Kulkarni	BE/VII	Awarded by Google Certified Associate Android Developer. He has cleared CCDSAP Foundation Exam
3.	Kamleshwar R.	BE/VII	Represented SIESGST in competition organized by NMMC under disaster management and secured 8th rank and funding of INR 50,000 dated 7th July 2018
4.	Aditya Parthasarthy	TE/V	Winner of Grey Matters 2.0(Online Quiz) Conducted by Reliance during 13 <sup>th</sup> Aug to 11 <sup>th</sup> Sep 2018
5.	Rishil R. Pratik Amin	BE/VII	Completed RED HAT LINUX certification

# STUDENT ACHIEVEMENTS

NO.	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT ( CURRICULAR, CO-CURRICULAR & EXTRA-CURRICULAR)
6.	Sanoop Menon	TE/V	Won Bug4Ever Coding Competition held at SIES GST, Nerul.
7.	Omkar Prabhu	BE/VII	Completed Machine Learning Course from Stanford University and Deep learning specialization course under Coursera.
8.	Kumaran P	BE/VII	Nominated for ISTE awards. His project group was shortlisted for final round of 'Avishkar', a national level project competition conducted on 2nd Jan2019 at RAIT, Nerul.
9.	Pritam Negi	BE/VII	Completed "CS229: Machine Learning" course offered by Stanford University on Coursera on 12th June2018. He has successfully passed Codechef "Data Structures and Algorithms Programme" Foundation Level certification Exam on 8th July 2018. He has also completed "Neural Networks and Deep Learning" course offered by Deeplearning.ai on courser.

# STUDENT ACHIEVEMENTS

NO.	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT ( CURRICULAR, CO-CURRICULAR & EXTRA-CURRICULAR)
10.	Shivshankar	TE/V	Secured 1 <sup>st</sup> position in cricket auction Intra College
11.	Ritu Rao	TE/V	Secured First Runner up position in “Miss Teen Tiara India 2018 in Feb 2018.
12.	Chinmay C., Arvindraj T.	TE/V	Developed SIESGST Companion Web Portal Development
13.	Harish B, Vinay A., Subhed C.	BE/VII	Developed SIESGST Companion Web Portal Development
14.	Rohit R, Aditya K., Aditya K.	BE/VII	Developed SIESGST Companion Mobile APP Portal Development
15.	Chinmay C., Arvindraj T, Venkatesh, Shantanu Ghar	TE/V	Developed SIESGST Companion Mobile APP Portal Development

# INTERNSHIP & PLACEMENTS

## INTERNSHIP

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Students are actively involved in offline/online, national as well as international internship activities. Two students completed international internship from AIT--Athens, Ural Federal university- Russia respectively. Students have completed internship from government organizations like ISRO, BARC ,BSNL, Central Railways and HPCL. College also provides internship opportunities through various SDP's. Students completed their internships from various companies like Priar web limited, Trivia, Study Leaugues IT solutions, CISCO, L and T hydro, Suven, Experts Hub, L& T Infotech, Sahu Technologies, VJTI, PAE auto private ltd. Reliance, Majesco, Artivitic Data labs, Unotech, Century Rayons, CMS. Students are alos doing internship through online platform given by Intershala.

# INTERNSHIP & PLACEMENTS

## PLACEMENT

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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 2018, Students are placed in companies like GEP, Newgen, Xoriant, LTI, Majesco, Zycus, Reliance Jio, Convonix, Ingram, SYX Services Private Limited, Pragmatix, Reliance Industries, TrednSutra, eTouch, Verchaska Infotech through campus placement.

Remaining students also placed in off campus caopmanies like Infosys, Infogain, Sequaretek, Anthill Space Pvt Ltd, Heaxaware, Naaptol, Accenture, Yowza Pvt Ltd, Kerate And Young, AQM, Syntel, E Clinical Works, Ugam, Simplicata Creations, Karma Infosystems, Nimap Infotech, Rexus Group, Browser Stack, Cybertech, SeaSaga Group, NessDigital, ATCS, Gametion Actofit, Alphasoft Syslabs, Invenio Business Solutions, Clover Infotech, Thyssenkrupp etc.





## S.E.-SECOND HALF 2018 ( Semester III )

Rank	Name of student	CGPI
1	Aditya Parthasarathy	10
2	Nabel Sarguroh	9.85
3	Siddharth Bayale	9.69

## T. E. -SECOND HALF 2018 ( Semester V )

Rank	Name of student	CGPI
1	Shweta Shekhar	9.7
2	Shruti Rao	9.33

## B. E.-SECOND HALF 2018 ( Semester VII )

Rank	Name of student	CGPI
1.	Rutuja Patil	9.68
2.	Akansha Pradhan	9.68

### Cryptocurrency

**Editor: Akanksha Pradhan**

Cryptocurrency is an internet-based medium of exchange which uses cryptographical functions to conduct financial transactions. Cryptocurrencies leverage blockchain technology to gain decentralization, transparency, and immutability.

The most important feature of a cryptocurrency is that it is not controlled by any central authority: the decentralized nature of the blockchain makes cryptocurrencies theoretically immune to the old ways of government control and interference.

Cryptocurrencies can be sent directly between two parties via the use of private and public keys. These transfers can be done with minimal processing fees, allowing users to avoid the steep fees charged by traditional financial institutions.

Bitcoin, first released as open-source software in 2009, is the first decentralized cryptocurrency. Since the release of bitcoin, other cryptocurrencies have been created.

# ARTICLE

Units of cryptocurrency are created through a process called mining, which involves using computer power to solve complicated maths problems that generate coins. Users can also buy the currencies from brokers, then store and spend them using cryptographic wallets.

Cryptocurrencies and applications of blockchain technology are still nascent in financial terms and more uses should be expected. Transactions including bonds, stocks and other financial assets could eventually be traded using the technology.

Advantages of Cryptocurrency are protection from inflation, Self-governed and managed, secure and private, easy currency exchanges, decentralized, cost-effective mode of transaction, fast transfer funds

Disadvantages of Cryptocurrency are used for illegal transactions  
Data losses can cause financial losses.



# 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: Arpita Rane, Akanksha Pradhan

Editorial board is glad to release the current issue of our Department Newsletter January 2019. 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.