

NEWS-LETTER

Second Half 2020



Dr. Aparna Bannore
(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.

COMPUTER ENGINEERING DEPARTMENT
SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL
VOLUME 4 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 | Dr.Aparna Bannore | B.E(CSE) , M.E (CE), Ph. D* | Associate Professor | Cyber security and Signature security. |
| 2 | Dr. 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 | Dr. Deepti Reddy | B.Tech, M.E (CE), Ph.D | Associate Professor | Semantic web, Intelligent Tutoring System, Engineering Education, Educational Technology. |
| 5 | Mrs. Prachi Shahane | B.E(CSE) ,M.E (CE) | Assitant Professor | Artificial Intelligence, Internet Of Things |
| 6 | Mrs. Suvarna Chaure | B.E(CSE),M.E (CE), Ph.D* | Assitant Professor | Data Security |
| 7 | Mr. Sunil K Punjabi | B.E, M.E (CE) | Assitant Professor | Software Engineering |
| 8 | Mrs. Pranita Mahajan | B.E(CSE), M.E (CE) | Assistant Professor | Natural language processing, Machine Learning, Data Analytics. |
| 9 | Ms. Preeti Godbole | B.E, M.E (CE) | Assistant Professor | Mobile Communication |

FACULTY PROFILE

| No | Name | Qualification | Designation | Area of Interest |
|----|-------------------------|------------------------------|---------------------|--|
| 10 | Dr. Varsha Patil | B.E, M.E (CE), Ph.D* | Assitant Professor | Image Processing, Data Mining, Machine Learning, Natural Language Processing |
| 11 | Ms. Ujwala Ravle | B.E, M.E (CE), Ph.D* | Assitant Professor | Network Security, Machine Learning |
| 12 | Ms. Kalyani Pampattiwar | B.E. (CSE), M.E (CE), Ph.D* | Assistant Professor | Security, Data Mining |
| 13 | Ms. Namrata Patel | B.E., M.E (CE), Ph.D* | Assistant Professor | Web Mining |
| 14 | Ms. Kranti Bade | B.E.(IT), M.E(CSE) | Assistant Professor | Data Mining |
| 15 | Ms. Pranjal Thakre | B.E, M.E (CE) | Assistant Professor | Programming |
| 16 | Ms. Masooda Modak | B.Tech (IT), M.E (CE), Ph.D* | Assitant Professor | Learning Analytics, Data Mining, E-learning |
| 17 | Ms. Anindita A Khade | B.E, M.E (CE), Ph.D* | Assitant Professor | Machine Learning, Data Analytics, Data Mining |

NON TEACHING STAFF

| <u>Sr.No</u> | Name | Roles |
|--------------|-------------------|-----------------------|
| 1 | Mr. Srinivas B. | Lab-Attendent |
| 2 | Mr. Saikrishna J. | Network Administrator |
| 3 | Mr. Bhagyashal W. | Lab-Assistance |
| 4 | Mr. Sudhir P. | Lab-Assistance |

CLASS STRENGTH

| Year | Total Strength | Girls | Boys |
|------|----------------|-------|------|
| SE | 98 | 34 | 64 |
| TE | 107 | 38 | 69 |
| BE | 108 | 44 | 64 |

FACULTY ACHIEVEMENTS

PAPER PUBLICATIONS

1. **Dr. Rizwana Shaikh**, published paper on "**Smart Transportation using Fog Computing**", in ICDSMLA, Dec 2020. She also published paper on "Prediction and preventive awareness of chronic kidney disease using machine learning algorithms", UGC Journal in Dec 2020.
2. **Prof. Anindita A Khade**, Published paper on "**TEXT SUMMARIZATION FROM MULTIPLE DOCUMENTS**", in international Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 06, June 2020, e-ISSN: 2395-0056, June 2020.
3. **Dr. Rajesh Kadu**, submitted paper on "**Efficient Food quality monitoring using IOT**" in the conference, in Nov 2020.
4. **Prof. Masooda Modak**, published paper on "**Machine Learning based Learning Disability Detection using LMS**", IEEE 5th International Conference on Computing Communication and Automation (ICCCA), Greater Noida, India, 2020, pp. 414-419, doi: 10.1109/ICCCA49541.2020.9250761. also Published paper on "Detection of Learning Disability: A Survey", in Dec 2020. And Published paper on "Smart Transportation using Fog Computing", in Dec 2020.

FACULTY ACHIEVEMENTS

RESEARCH PROPOSAL

1. Dr. Rizwana Shaikh, Dr. Rajesh Kadu, Prof. Suvarna Chaure, Prof. Sunil K Punjabi, Prof. Kalyani Pampattiwari, Prof. Masooda Modak, Prof. Ujwal Ravle Submitted DST proposal on **"Waste Management System for Societal benefit Using IoT and Machine Learning"**

Student Development Program (SDP)

1. Department has arranged, **“Technical paper reading session”**, on 04-11-2020 for TE and BE students.
2. Department has arranged, **“Webinar on IoT”** on 11-07-2020 for SE students .
3. Department has arranged, **“Workshop on React JS”**, on 17-10-2020 for TE and BE students.
4. Department has arranged, **“Workshop on Spring-Boot”** on 24-10-2020 for TE and BE students.
5. Department has arranged, **“Workshop on Blockchain”** on 31-10-2020 TE and BE students.
6. Department has arranged, **“Inspect Element 1.0- Web development competition”** on 26-11-2020 to 3-12-2020 for TE and BE students.
7. Department has arranged, **“Web designing competition for TE-CE students”** on 1-12-2020.

Faculty Development Program (FDP)

1. Department has arranged Faculty Development Program on **"Agile Methods and current trends"** on 21st November 2020 by industry expert Mr. Krishna Bidwai, Senior manager Financial Services SAP ERP in CAPGEMINI.
2. Department has arranged Faculty Development Program on **"Next Generation Technologies"** on 5 th Dec 2020 by resource person Mr. Aniket Mhala Senior Director, Oracle.

FDP Attended by Faculty

1. Dr. Rizwana Shaikh, attended International Conference on "Smart Innovations in Design, Environment, Management, Planning and Computing", In Nov 2020.
2. Dr. Rizwana Shaikh, attended QIP on "Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives, from 30 Nov 2020 to 4 Dec 2020.
3. Dr. Deepti Reddy, Attended "Faculty Development Program on Excel Dashboards ", 4 Sep 2020.
4. Dr. Deepti Reddy, Attended QIP on "Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives, from 30 Nov 2020 to 4 Dec 2020.

FDP Attended by Faculty

5. Prof. Pranita Mahajan, Attended Short Term Training Programme on "Leveraging Artificial Intelligence and Data Analytics for Healthcare" sponsored by AICTE (under AQIS 2019-20) and organized by the Department of Information, 14-19 Dec 2020.
6. Prof. Prachi Shahane, Attended QIP on "Recent Advancements in software development practices, AI, Communication Technologies: Digital India perspectives ", 30 Nov-4 Dec 2020.
7. Prof. Prachi Shahane , Attended ATAL FDP on "Design Thinking", 7-11 Dec 2020.
8. Prof. Suvarna Chaure , Attended QIP on "Recent Advancements in software development practices, AI, Communication Technologies: Digital India perspectives ", 30 Nov-4 Dec 2020.

FDP Attended by Faculty

9. Prof. Suvarna Chaure , Attended "Pedagogy Workshop on How to teach Programming Basics, TEQIP-III KITE, PPCCLT" (IIT Bombay), 16 dec 2020-06 jan 2021.
10. Prof. Sunil K Punjabi, Attended QIP on "Recent Advancements in software development practices, AI, Communication Technologies: Digital India perspectives ", 30 Nov-4 Dec 2020.
11. Prof. Ujwala Ravale, Attended ATAL FDP on "Design Thinking", 7-11 Dec 2020.
12. Prof. Ujwala Ravale, Attended QIP on "Recent Advancements in software development practices, AI, Communication Technologies: Digital India perspectives ", 30 Nov-4 Dec 2020.
13. Prof. Kalyani Pampattiwar, attended AICTE Sponsored QIP `on "Machine Learning Techniques", 21-25 Dec 2020.

FDP Attended by Faculty

14. Prof. Namrata Patel, attended AICTE Sponsored QIP `on "Machine Learning Techniques", 21-25 Dec 2020.

STUDENT ACHIEVEMENTS

| Sr.No | Name of the student | YEAR / SEM | ACHIEVEMENT (CURRICULAR, COCURRICULAR & EXTRA-CURRICULAR) |
|--------------|--|-------------------|---|
| 1 | KV Ashish | BE CE | 2nd runner up in ISTE Codathon |
| 2 | Ninad Chavan,Gokul G, Shubham T, Venkatesh M,Ashok C,Atharva S,Shambhavi S | BE CE | Within Top 100 in Mumbai Region in TCS Codevita |
| 3 | Rahul Sawantdesai | BE CE | 1st in MU in TCS Codevita |
| 4 | V.Karthikraj (TL) Tejas Shenoy Shardul Doke Yogesh Vishwanathan Shreyas Shridhar Shruti Kiran Tambe | BE CE | Participated in Smart India Hackathon 2020 |
| 5 | Zainab Bubere Abubakkar Wasim | TE CE | Selected in Anveshna 2020-21 |
| 6 | Aakriti Sharma Abhishekh Joshi Shabarish Ramaswamy Shlok Vivek | TE CE | Participated in Govthon conducted by NIC |
| 7 | Kaushik Shridhar Shinit Shetty Nandita N Pournima Pottekot | SE CE | Selected for Deep blue 2020-21 |
| 8 | Sanjana Sharma Anandteertha Rao Varun Sreedhar Sreekrishna Veturi | TE CE | Selected for Deep blue 2020-21 |
| 9 | Sai Amruta | BE CE | Bagged 6 months spring Internship at Morgan Stanle |
| 10 | V.karthikRaj and Vedant Balsubramaniyan | BE CE | Internship at NIC,Mantralaya,Mumbai. |
| 11 | Ashok Choudhary and Swapnil Shinde | BE CE | Qualified for regional level mentoring under IIC National Innovation Contest (NIC) 2020 |

INTERNSHIP & PLACEMENTS

INTERNSHIPS

Students are always proactively participating in the online and offline internship programs. College also provides internship opportunities through various student development programs on recent technologies. SE and TE students participate in such SDPs .

Internship is provided on **Software Design Skills, Blockchain Technology, Network Security & Ethical Hacking, Advanced HTML and Web Technology, Data Science Using R, Advanced C Programming, Web Development Technologies, Modelling Robot Kinematics**

Students have completed internship program from various government as well as private organization like Cloud Counselage Pvt. Ltd., Smart bridge, DXC Technology, Denkali, LM UX Innovates, Indian Oil Corporation, KPMG.

INTERNSHIP & PLACEMENTS

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 **academic year 2020-2021** , students are placed in **companies like Reliance Jio, GEP, Amazon AwS, LTI, LTI Level 2, TCS Digital, MAQ, NewGen, Continuum, Xoriant, Nesit, IBM, Infosys, Ingram Micro, Convonix, Syntel, Vistaar, Tech Mahindra, TCS Ninja, SBI Life Insurance, Code Array, Protogemity, Addend, Wisdom Labs, Ufaber etc.**

INTERNSHIP & PLACEMENTS

PLACEMENTS

| Sr. No | Batch | Total strength | Eligible | Placed |
|---------|--------------------|----------------|----------|--------|
| SH 2020 | Batch 2021 passout | 108 | 105 | 60 |

STUDENT TOPPERS



S.E. - SECOND HALF 2020 (Semester III)

Overall Toppers

| Sem | Rank | Name of the Student | Roll No | Percentage/CGPI | Percentage % | Sem |
|-----|------|-------------------------|----------|-----------------|--------------|-----|
| III | 1 | SRUTHISRI VENKATESWARAN | 119A1088 | 700/775 | 90.32 | III |
| III | 2 | DESHMUKH MINOTI MINAR | 119A1018 | 698/775 | 90.06 | III |
| III | 3 | SHINDE VARUN VILAS | 119A1075 | 693/775 | 89.42 | III |
| III | 3 | POTTEKAT POURNAMI BIJOY | 119A1058 | 693/775 | 89.42 | III |

Subject Toppers

| Sem | Rank | Name of the Student | Subject | Percentage/CGPI |
|-----|------|------------------------------|---------------------------------------|-----------------|
| III | 1 | MANGHI NIPUN SANJEEV | Engineering Mathematics - III | 96 |
| III | 1 | SRUTHISRI VENKATESWARAN | Discrete Structure & Graph Theory | 96 |
| III | 1 | R S INDUJA | | 96 |
| III | 1 | SINGH KOMAL RAJESHWAR PRASAD | | 96 |
| III | 1 | NANDITA NANDAKUMAR | | 96 |
| III | 1 | POTTEKAT POURNAMI BIJOY | Data Structures | 96 |
| III | 1 | PATIL ANIRUDDHA SHRIKANT | | 96 |
| III | 1 | IYER JANANI KUMARAGURUBHARA | Digital Logic & Computer Architecture | 98 |
| III | 1 | ISWARI SANTOSH | Computer Graphics | 94 |

STUDENT TOPPERS



T. E. - SECOND HALF 2020 (Semester V)

Overall Toppers

| Sem | Rank | Name of the Student | Roll No | Percentage/CGPI | Pointer |
|-----|------|----------------------------|----------|-----------------|---------|
| V | 1 | AKASHSAI RAJARAM | 118A1005 | 691/750 | 92.13 |
| V | 2 | CHOUDHARY DINESH SAKHARAM | 118A1019 | 679/750 | 90.53 |
| V | 3 | MURLI SHARAN VIJAYALAKSHMI | 117A1073 | 676/750 | 90.13 |
| V | 3 | SHREYA MUKHERJEE | 118A1083 | 676/750 | 90.13 |

SUBJECT TOPPERS

| Sem | Rank | Name of the Student | Subject | Percentage/CGPI |
|-----|------|-----------------------------|----------------------------|-----------------|
| V | 1 | SANGEETH ARUN | Microprocessor | 93 |
| V | 1 | KULKARNI SANKET UDAY | Database management System | 95 |
| V | 1 | AKASHSAI RAJARAM | | 95 |
| V | 1 | SHLOK VIVEK NAIK | | 95 |
| V | 1 | NAYAK GAYATRI SHARAD | | 95 |
| V | 1 | BUBERE ZAINAB MUHAMMED ARIF | | 93 |
| V | 1 | AKASHSAI RAJARAM | Theory of Computer Science | 96 |
| V | 1 | KONAR SUHASINI ARUMUGAM | Computer graphics | 88 |
| V | 1 | AKASHSAI RAJARAM | Advance algorithm | 95 |
| V | 1 | MURLI SHARAN VIJAYALAKSHMI | | 95 |
| V | 1 | GAIKWAD VAISHNAVI SHRIKANT | Multimedia System design | 92 |
| V | 1 | MODI PARTH BHARAT | | 92 |
| V | 1 | BUBERE ZAINAB MUHAMMED ARIF | | 92 |
| V | 1 | SANGEETH ARUN | | 92 |

B.E.-SECOND HALF 2020 (Semester VII)

Overall Toppers

| Sem | Rank | Name of the Student | Roll No | Percentage/CGPI | Pointer | Sem |
|-----|------|----------------------|----------|-----------------|---------|-----|
| VII | 1 | Khushi Kapoor | 117A1029 | 694/750 | 92.53 | VII |
| VII | 2 | Aditya Parthasarathy | 117A1001 | 689/750 | 91.87 | VII |
| VII | 3 | Kale Riya | 117A1028 | 684/750 | 91.20 | VII |

SUBJECT TOPPERS

| Sem | Rank | Name of the Student | Subject | Percentage /CGPI |
|-----|------|----------------------------|--|------------------|
| VII | 1 | ADITYA PARTHASARATHY | Digital Signal & Image Processing | 90 |
| VII | 1 | KAPOOR KHUSHI SURENDRANATH | | 90 |
| VII | 1 | KALE RIYA RAJAN | Mobile Communication & Computing | 95 |
| VII | 1 | KALE RIYA RAJAN | Artificial Intelligence & Soft Computing | 96 |
| VII | 1 | AJAGEKAR PRANAV UTTAM | | 96 |
| VII | 1 | VEDANT BALASUBRAMANIAM | | 96 |
| VII | 1 | CHAVAN NINAD VIKRANT | Big Data & Analytics | 98 |
| VII | 1 | OMKAR KRISHNAPURKAR | Project Lifecycle Management | 88 |
| VII | 1 | VENKATA AAYULARI | Management Information System | 91 |
| VII | 1 | ANUSHREE LOTHAN | Operational Research | 98 |

Student Article

VR Is A Technological Boon!

Editor: Ananyaa Sridhar-SE-CE

Virtual reality (VR) is a technological tool that is used to create realistic sounds, sensations, and images to give the user a feeling of realistic presence in a virtual environment. Three-dimensional videos are a part of this technological tool. VR is becoming increasingly popular, especially in the gaming industry, and its practical uses are being tested to see whether it can be used productively in sectors such as healthcare and education.

What is not possible in reality is possible in VR – Feel it to know it. The ability to present practical knowledge to the classroom without actually leaving it makes the educational experience invaluable.

VR and gamification take motivation and engagement to the next level. Games and simulations motivate students to self-learn and concentrate better. It all sums up to this, “The world of reality has its limits; the world of imagination is boundless,” said Jean-Jacques Rousseau, speaking in the 18th century. VR is very much here to get the virtual world into the real world.

There is no point in hiding the fact that gaming is probably the first thing the average person associates with the future of virtual reality. And it’s not surprising, because the market size of the VR gaming industry is growing at a fast pace.

At times, the ideas realized in the gaming sector with virtual reality are much more captivating with their fantasy and progress than those in other areas. It is because of this that experts see potential in the gaming industry for VR, perhaps in the first place. Similarly, medicine, and especially emergency medicine, is not an environment where there is room for mistakes. Once they are put into a lifelike VR scenario, medical personnel can master all the needed skills and train every procedure with a realistic simulation of every emergency event from CPR to lumbar punctures.

ARTICLE

Student Article

Medical training isn't the only place where virtual reality technology is high. Mental treatment and disease awareness are also important aspects of VR in Healthcare.

As everything has its pros and cons, it has been observed that there are multiple harmful effects of VR on individuals and society. VR has multiple concerns related to health, safety, privacy, and long-term usage impact even in its infancy stage. However, advanced knowledge may also help us reduce or eliminate some of the negative impacts of VR.

It wouldn't be wrong to conclude that even though VR has its cons (VR) technologies bring in a host of new opportunities into so many sectors especially teaching and learning. The millennial generation today is comfortable with learning online, doing research on the web or relying on instructional videos and tutorials on YouTube, or opting for distance learning, over video conferencing. Virtual Reality is next!

EDITORIAL BOARD



Prof. Reshma R Koli

Editorial Board:

- **Dr. Aparna Bannore [HoD]**
- **Mrs. Reshma Koli**
- **Students Members: Mst.Ganeshraman Pillai**

Editorial board is glad to release the current issue of our Department Newsletter December 2020. 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.