NEWS-LETTER

First Half 2021

**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.

DEPARTMENT NEWSLETTER

COMPUTER ENGINEERING DEPARTMENT

SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL

VOLUME 5 ISSUE 1

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

Sr.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
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)	Assitant Professor	Natural language processing, Machine Learning, Data Analytics.
9	Dr. Varsha Patil	B.E, M.E (CE),Ph.D*	Assitant Professor	Image Processing, Data Mining, Machine Learning, Natural Language Processing
10	Ms. Ujwala Ravle	B.E, M.E (CE), Ph. D*	Assitant Professor	Network Security, Machine Learning
11	Ms. Kalyani Pampatti	B.E. (CSE), M.E (CE), Ph. D*	Assitant Professor	Security, Data Mining
12	Ms. Namrata Patel	B.E., M.E (CE), Ph. D*	Assitant Professor	Web Mining
13	Ms. Kranti Bade	B.E.(IT), M.E(CSE)	Assitant Professor	Data Mining
14	Ms. Masooda Modak	B.Tech (IT), M.E (CE), Ph.D*	Assitant Professor	Learning Analytics, Data Mining, E-learning

15	Ms. Anindita A Khade	B.E, M.E (CE), Ph. D*	Assitant Professor	Machine Learning, Data Analytics, Data Mining
16	Ms. Aarthi Boyanapal	B.E, M.E (CE), Ph. D*	Assitant Professor	Computer Network
17	Ms. Urvashi Patekar	B.E, M.E (CE)	Assitant Professor	Cyber Security And Block Chain
18	Ms. Gayatri Berde	B.E, M.E (CE)	Assitant Professor	Machine Learning,Data Mining
19	Ms. Jyoti T.	B.E, M.E (CE)	Assitant Professor	Data Science

NON TEACHING STAFF

No	Name
1.	Mr. Bhagyashal W.
2.	Mrs.Tanvi Todanker
3.	Mr. Srinivas B.
4.	Mr.Hanumant Kaki

CLASS STRENGTH

Year	Total Strength	Girls	Boys
SE	126	37	89
TE	106	37	69
BE	107	43	64

FACULTY ACHIEVEMENTS

BOOK CHAPTERS/PATENTS

1. **Dr. Aparna Banore**, **Submitted Book Chapter and accepted in CRC Press Taylor Francis** 1. An Efficient Proxy Signature based Authority Delegation Scheme for Medical Cyber Physical System 2.Pairing based Forward Secure Proxy Signature scheme for Medical Cyber Physical System group,(in press).

2. **Dr. Rizwana Shaikh**, **Submitted Book Chapter** "Blockchain for Wearable Internet of Things in Healthcare " in "Intelligent Interactive Multimedia Systems for e-Healthcare Applications".

3. **Dr. Rizwana Shaikh, Syllabus Setter** for **"Blockchain honors course".**

4. **Prof. Pranita Mahajan**, **Submitted Book Chapter in springer,** "Investigating Clinical Named Entity Recognition Approaches for Information Extraction from EMR"

FACULTY ACHIEVEMENTS

PAPER PUBLICATIONS

1. Dr. Aparna Banore, Published Paper on "Automatic Topic Timestamping of Videos using NLP", in IEEE transactions, Feb 2021.

2. Dr. Rajesh Kadu, Published paper on "Food Quality Monitoring using cognitive IOT", International Conference on "Data Science and Management" ICDSM-2021, Springer, March 2021.

3. Dr. Rizwana Shaikh, Presented paper on " Land Registration System Using Block-chain", Jan 2021.

4. Dr. Rizwana Shaikh ,Presented paper on "Long term water consumption prediction for Mumbai", Jan 2021.

5. Dr.Deepti Reddy , Submitted paper on "Learning Environments for Fostering Disciplinary Practices in CS Undergraduates.", Proceedings of the 52nd ACM Technical Symposium on Computer Science Education. 2021.

6. Prof. Prachi Shahane, Published paper on "Skin Cancer Detection using convolutional neural network", IRJET,May 2021.

FACULTY ACHIEVEMENTS

PAPER PUBLICATIONS

7.   Prof. Masooda Modak, Published paper on "Identity-Based Video Summarization", June 2021.

8.   Prof. Anindita A Khade, Published paper on "Real-time video surveillance system for detecting ", June 2021

STUDENT DEVELOPMENT PROGRAM (SDP)

1. Department has arranged, "**Workshop on Java and SQL**", on 9'th Feb 2021, for TE Students.

2. Department has arranged, "**Workshop on Full Stack Development**", Week 1- 14th Feb 2021, Week 2-21st Feb 2021, Week 3-28th Feb 2021, for TE and BE Students.

3. Department has arranged, "**Workshop on Online test preparation and career guidance**", 1st April 2021, for BE students.

4. Department has arranged, **"Workshop on AWS",** 24th April 2021, for BE students.

5. Department has arranged, "**Poster Presentation Competition"** for BE CE students, 5'th and 6'th April 2021, For BE Students.

6. Department has arranged,**" Innovations 2021**", 10th April 2021, For SE, TE and BE students.

FACULTY DEVELOPMENT PROGRAM (FDP)

1. Computer Department has organized, AICTE-ISTE approved **"one week STTP on Block-Chain Technology",** 4/01/2021-09/01/2021, by Resource person Revanth Kumar(Community Builder, Ex-Pegasystems & E, Hyderabad), Mr. Prasad Ghag(Tata Consultancy Services), and internal faculty members Dr.Rizwana Shaikh, Prof.Masooda Modak, **total 25 faculties attended the same**.

FDP Attended by Faculty

Sr. No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
1	Dr. Aparna Banore	Attended One week AICTE ISTE approved STTP on "Block-Chain Technology"	04-01-2021-09/01/2021	AICTE
2	Rizwana Shaikh	Attended STTP on "BLockchain Technology"	04-01-2021 to 09-01-2021	SIES-GST
3	Rizwana Shaikh	Attended FDP "Excel Dashboards"	4/9/2021	TCS
4	Deepti Reddy	Attended STTP on "IPR"	11/1/2021 to 16/1/2021	RUSA
5	Deepti Reddy	Attended FDP on "Universal Human Values in Technical Education"	17-05-21 to 21-05-2021	AICTE

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
6	Deepti Reddy	Attended FDP "Excel Dashboards"	4/9/2021	TCS
7	Prachi Shahane	Attended FDP on "Inculcating Universal Human Values in Technical Education"	17-05-21 to 21-05-21	
8	Prachi Shahane	Attended AICTE STTP on "Natural Language Processing and Google DialogFlow"	24-05-21 to 29-05-21	
9	Prachi Shahane	Attended STTP on "Blockchain Technology"	04-01-21 to 09-01-21	

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
10	Suvarna Chaure	Attended QIP Course for Machine Learning for NLP and IOT	22-1-2021 to 26-01-2021	IIT Roorkee
11	Suvarna Chaure	Attended Pedagogy Workshop on "How to teach Programming Basics"	16-12- 2020 to 06-01- 2021	IITBombayX
12	Suvarna Chaure	Complete Course on "Ethical Hacking"	3/1/2021	Udemy
13	Pranita Mahajan	Attended FDP on "Machine Learnig for NLP and IoT"	22-26-01-2021	QIP

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
14	Pranita Mahajan	EAttended FDP on "merging Paradigms in AI and DS"	16th to 20th August 2021	FDP
15	Ujwala Ravale	Attended FDP on "Inculcating Universal Human Values in Technical Education"	18-01-2021 to 22-01-2021	AICTE
16	Ujwala Ravale	Attended QIP Course for "Machine Learning for NLP and IOT"	22-01-2021 to 26-01-2021	AICTE
17	Ujwala Ravale	Attended STTP on "BLockchain Technology"	04-01-2021 to 09-01-2021	SIES-GST

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
18	**Kalyani Pampattiwar**	Attended FDP on "Machine Learning Techniques"	21-12-2020 to 25-12-2021	IIT Roorkee
19	**Kalyani Pampattiwar**	STTP on "BLockchain Technology"	04-01-2021 to 09-01-2021	SIES-GST
20	**Kalyani Pampattiwar**	Attended Pedagogy Workshop on "How to teach Programming Basics"	16-12- 2020 to 06-01- 2021	IITBombayX
21	**Namrata Jiten Patel**	Attended FDP on"Inculcating Universal Human Values in Technical Education"	18-01-2021 to 22-01-2021	AICTE

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
22	**Namrata Jiten Patel**	Attended FDP on "Machine Learning Techniques"	21-12-2020 to 25-12-2021	IIT Roorkee
23	**Namrata Jiten Patel**	Attended STTP on "BLockchain Technology"	04-01-2021 to 09-01-2021	SIES-GST
24	**Masooda Modak**	Attended FDP on "Machine Learning Techniques"	21-12-2020 to 25-12-2021	IIT Roorkee
25	**Masooda Modak**	Attended STTP lon "BLockchain Technology"	04-01-2021 to 09-01-2021	SIES-GST

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
26	Anindita Khade	Attended FDP on "Inculcating Universal Human Values in Technical Education"	10-05-2021 to 14-05-2021	AICTE
27	Anindita Khade	Attended FDP on "Artificial Intelligence in Health Sciences"	03-05-2021 to 07-05-2021	DYPU
28	Anindita Khade	Attended QIP Course for "Machine Learning for NLP and IOT"	22-1-2021 to 26-01-2021	IIT Roorkee
29	Anindita Khade	Attended "Winter School on Wearable Sensors and Devices"	06-02-2021 to 07-02-2021	IEEE

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
30	**Anindita Khade**	Attended QIP Course for "Machine Learning Techniques"	21-12-2020 to 25-12-2021	IIT Roorkee
31	**Arathi Boyanapalli**	Attended FDP on "Machine Learning and Optimization Phase III"	17-05-2021 to 22-05-2021	AICTE
32	**Arathi Boyanapalli**	Attended AICTE-ISTE sponsored FDP on Machine Learning and Optimization 17-22 May	17-5-2021 to 22 - 5 - 2021	AICTE
33	**Urvashi Patkar**	Attended FDP on "Trends in Machine learning and data science"	28-06-2021 to 30-06-2021	AICTE

FDP Attended by Faculty

Sr.No	Name of the faculty	Name of the FDP	FDP Duration	Organized By
34	Urvasi Patkar	Attended FDP on "Blockchain Technology"	17-06-21 to 19-06-21	AICTE
35	Gayatri Bedre	Attended FDP on "Design and Development of Content for e-Learning(STTP) "	14-06-2021 to 25-06-2021	NITTR Kolkatta
36	Gayatri Bedre	Completed the course "Overview of Web GIS Technology (Course)"	21-06-2021 to 2-07-2021	IIRS
37	Gayatri Bedre	Attended FDP on Artificial Intelligence and Machine Learning with Data Science	14-07-2021 to 18-07-2021	AICTE

STUDENT ACHIEVEMENTS

Sr.No	Name of the student	Name of the achievement	SE/TE/BE
1	Abhishek Joshi Shabarish Ramaswamy Shlok Naik Aaakriti Sharma	Winner, Mindsweeper 24 hour coding competition, The Grandmasters by IEEE, 27 Feb 2021	TE
2	Suriya P Shweta and R Pradnya S	Xhibitech 2021- Project competition by BVCOE-2nd position	BE
3	Shlok Naik Sabrish R	Texter 2021-1st Runner up	TE
4	Sahil Pradhan	KJ Somaiya Hackathon-2nd Runner up	BE
5	Karthik Iyer	Clash of codes-CSI Terna-2nd Runner up	TE
6	Shabrish R	Clash of Minds-Debate-University of Delhi-Winner	TE

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 aw 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 FH 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, CodeArray, Protogemity, Addend,** Wisdom Labs, Ufaber etc.

INTERNSHIP & PLACEMENTS

PLACEMENTS

Sr. No	Batch	Total strength	Eligible	Placed
SH 2020	Batch 2021 passout	108	105	60
FH 2021	Batch 2021 passout	108	105	22
				82

STUDENT TOPPERS

S.E. – FIRST HALF 2021 (Semester IV)

Overall Toppers

Sem	Rank	Name of the Student	Roll No	Percentage/CGPI	Percentage %
IV	1	BAWASKAR ESHA PRATIM	119A1022	701/775	90.45
IV	2	AISHWARYA VELUMANI	119A1005	693/775	89.42
IV	3	CHAURASIYA SAMPRIT JITENDRA	119A1016	693/775	89.42

Subject Toppers

Sem	Rank	Name of the Student	Ssubject	Percentage/CGPI	Sem
IV	1	BHARGAVA ISHITA KAPIL	Engineering Mathematics - IV	100	IV
IV	1	ADITYA KRISHNA	Analysis of Algorithm	92	IV
IV	1	IYER JANANI KUMARAGURUBHARAN	Database Management System	92	IV
IV	1	THEVAR ESAKKIAPPAN MURUGAN	Operating System	96	IV
IV	1	PADAYACHI VASU KRISHNAMURTHI	Microprocessor	94	IV

T. E. - FIRST HALF 2021 (Semester VI)

Overall Toppers

Sem	Rank	Name of the Student	Roll No	Percentage/CGPI	Percentage %
VI	1	SHREYA MUKHERJEE	118A1083	684/750	91.20
VI	2	CHOUDHARY DINESH SAKHARAM	118A1019	682/750	90.93
VI	3	AKASHSAI RAJARAM	118A1005	679/750	90.53

SUBJECT TOPPERS

Sem	Rank	Name of the Student	Subject	Percentage /CGPI	Sem
VI	1	SANGEETH ARUN	Software Engineering	94	VI
VI	1	AKASHSAI RAJARAM	System Programming & Compiler Construction	91	VI
VI	1	LOYA SHUBHAM KAILAS		91	VI
VI	1	MODI PARTH BHARAT		91	VI
VI	1	SACHI RAJESH PATANKAR		91	VI
VI	1	SHREYA MUKHERJEE	Data Warehousing & Mining	98	VI
VI	1	MURLI SHARAN VIJAYALAKSHMI	Cryptography & System Security	97	VI
VI	1	CHOUDHARY DINESH SAKHARAM	Machine Learning	94	VI
VI	1	NAYAK GAYATRI SHARAD		94	VI
VI	1	IYER VINEET ANANT	Enterprise Resource Planning	89	VI

B.E.-FIRST HALF 2021 (Semester VIII)

Overall Toppers

Sem	Rank	Name of the Student	Roll No	Percentage/CGPI	Percentage %
VIII	1	Saail Ganesh	117A1061	685/750	91.33
VIII	2	Senthil T.	117A1070	683/750	91.07
VIII	3	Aditya Parthasarathy	117A1001	682/750	90.93

SUBJECT TOPPERS

Sem	Rank	Name of the Student	Ssubject	Percentage/CGPI	Sem
VIII	1	Anagha Jadhav	Human Machine Interaction	96	VIII
VIII	1	Jagjot Singh			VIII
VIII	1	Sahil Pradhan			VIII
VIII	1	Dixit Shreya			VIII
VIII	1	Mittal Saloni			VIII
					VIII
VIII	1	Saail Ganesh	Distributed Computing	92	VIII
VIII	1	Ashwini Patil	Natural Language Processing	90	VIII
VIII	1	Anagha Jadhav	High Performance Computation	93	VIII
VIII	1	Kajal Jadhav			VIII
VIII	1	Senthil T.	Project Management	94	VIII
VIII	1	Shweta Shilewant	Environment management	93	VIII
VIII	1	Unnati Chaudhari			VIII
VIII	1	Hitesh Nayak	Finance Management	96	VIII
VIII	1	Siddhant H.	Digital Business Management	92	VIII

ARTICLE

Student Article

Impact of Covid 19 on the future of automation

Editor: Ananya Lakshmanan-SE-CE

As we all know, the Covid-19 pandemic has affected all industries around the world. But the impact has been constant in only one field, business. The process of a business has completely changed during this pandemic, if we can explain in short then it can be said it has become a short-time work situation. People are awaiting what the future long-term work situation will look like.

But during this pandemic, there has been an update in efforts in cybersecurity and sustainable networks. Also day-by-day, industries are aiming at bridging the gap between their pre-COVID-19 plans and the post-pandemic situation. Since various organizations and industries have been updating their technologies and innovations, the real question is what's next for automation? Obviously, there will be changes in the outcomes but the purpose and fundamentals of automation will remain the same and the enterprise will be tasked with rapid infrastructural transformation, digital enablement, workforce reimagination, and solace would find an increased automation investment.

While it's true that over the past 300 years successive techno-revolutions have created transition periods with temporary unemployment, it's also true that new jobs have always appeared. Since the 1960s, only one occupation — the elevator operator — has actually been lost, and more jobs have been created than we could ever have imagined. Therefore, it's quite possible that the coming surge in automation will offer people with the right attitude a golden age of increased leisure and more rewarding, flexible work.

ARTICLE

In the future, they should look to lean on automation first when building said infrastructure. They should ask, 'how can we automate this process to remove as many manual touch points as possible, minimize unnecessary downtime and risk of manual error, and continue utilizing employees for higher-level strategic tasks.

If enterprises build these new infrastructures with automation as the backbone, they will be able to better scale and innovate going forward – as new technological advancements and shifts in consumer habits continue to evolve the priorities and expectations of all industry leaders.

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 May 2021. 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.