NEWSLETTER

**LBS Institute of Technology for Women
Poojappura, Thiruvananthapuram**

Wired

January - June 2023

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE INSTITUTE
To be a Centre of Academic Excellence empowering women in technical domain

MISSION OF THE INSTITUTE
Imparting value based technical education for transforming young women to professionals excelling globally in academics, research and development and industry meeting societal challenges.

VISION OF THE DEPARTMENT OF CSE
To be a renowned academic and research centre in Computer science and allied domains

MISSION OF THE DEPARTMENT OF CSE
To impart quality technical education by providing a conducive learning and research ambience for moulding ethically responsible engineers, academicians and researchers catering to the needs of industry and society

Programme Educational Objectives (PEOs)
Our Graduates would
Excel Professionally in the field of Computer Science and Engineering with an aspiration for lifelong learning.
Pursue higher education and research in multidisciplinary domains.
Exhibit good leadership qualities, interpersonal skills and ethical values to work in diversified teams and contribute to societal needs.

Programme Specific Outcomes (PSOs)
Our students will be able to
Apply mathematical models, software engineering principles and programming paradigms to solve real world problems.
Comprehend various aspects of computer hardware, communication models and security principles for developing computing solutions.

HIGHLIGHTS

- Vision of the Institute
- Mission of the Institute
- Vision of the Department of CSE
- Mission of the Department of CSE
- Programme Educational Objectives (PEOs) - CSE
- Programme Specific Outcomes (PSOs)
- HODs Message
- Association Activities
- Club Activities
- Staff Achievement
- Students Achievement
- Our Toppers

HODs MESSAGE

Message from the Head of the Department

It gives me immense pleasure to present this edition of our departmental newsletter, which beautifully captures the vibrant academic, technical, and cultural spirit of our department. The events and achievements showcased here reflect our collective commitment to excellence, innovation, and holistic development.

A significant highlight of this edition is the Second International Conference on Computational Systems and Communication (ICCSC 2023), which provided an esteemed global platform for researchers, academicians, and students to exchange ideas and showcase cutting-edge research. Such conferences reinforce our department's focus on advancing knowledge and fostering meaningful academic collaborations.

Our students have consistently demonstrated outstanding talent and determination. Their achievement as Runners-Up at the Women Hackathon, recognition at the CSI-InApp International Student Project Awards 2023, and musical excellence at the NABHAS Fest reflect the diverse capabilities we strive to nurture. We also take pride in celebrating our academic toppers, whose dedication and perseverance set benchmarks of excellence. Extend my heartfelt appreciation to the faculty members, students, and organizers whose efforts have made these accomplishments possible. Let us continue to learn, innovate, and grow together, upholding the values and vision of our institution.

Wishing everyone continued success and inspiration in all future endeavors.

Second International Conference on Computational Systems and Communication (ICCSC 2003)

The institution successfully hosted the Second International Conference on Computational Systems and Communication (ICCSC 2023), bringing together academicians, researchers, industry experts, and professionals from various institutions to deliberate on recent advancements and emerging trends in computational systems and communication technologies.

The inaugural session featured a distinguished panel of experts and dignitaries who highlighted the importance of interdisciplinary research, innovation, and collaboration in addressing contemporary technological challenges. The conference provided a vibrant platform for knowledge exchange through keynote addresses, technical paper presentations, and interactive discussions, fostering meaningful dialogue between researchers and practitioners.

ICCSC 2023 served as an excellent forum for participants to present their research findings, share innovative ideas, and explore opportunities for academic and industry collaboration. The event emphasized the role of computational intelligence, communication systems, and cutting-edge technologies in shaping the future of engineering and research. The successful conduct of the conference reflects the institution's commitment to promoting research culture, academic excellence, and global engagement.

ASSOCIATION ACTIVITIES

SAMYUKTA - ASSOCIATION INAUGURATION ON 23rd JUNE 2023

The department officially inaugurated SAMYUKTA – Association Activities on 23rd June 2023, in the presence of faculty members and an enthusiastic gathering of students. The event featured welcoming addresses and highlighted the vision and goals of the association, marking the beginning of a vibrant and dynamic year filled with academic and co-curricular engagements, collaborations, and learning opportunities

CS/IT Association Event – **Phoenix**

The CS/IT Association successfully organized a vibrant and engaging event titled Phoenix, which brought together students and faculty for a series of academic and interactive sessions. The event served as a platform to showcase talent, encourage idea-sharing, and strengthen collaboration within the department.

The winners of Phoenix were **Nandana V (S6 CS2), Sampoorna Varshinii M.K.S (S6 CS2) and Vaishnavi P (S6 CS2)**. They also actively contributed to documenting the event and preparing high-quality content for this newsletter edition. Their commitment and teamwork played a key role in capturing the essence of the programme and presenting it in a clear and engaging manner.

The CS/IT Association continues to foster a culture of innovation, learning, and community-building, with enthusiastic participation from both students and faculty.

CS/IT Association Event – MS2

The CS/IT Association organized an exciting and enriching event titled MS2, designed to encourage creativity, teamwork, and technical engagement among students. The programme featured a variety of activities that challenged participants to think critically, collaborate effectively, and showcase their unique talents. Students took part with great enthusiasm, creating an environment filled with energy, learning, and healthy competition.

The event underscored the department's commitment to fostering holistic development by integrating fun, intellect, and innovation. Participants had the opportunity to explore new ideas, strengthen their problem-solving abilities, and engage with peers in a dynamic setting that promoted open communication and collaborative learning.

The winners of MS2 were Sariga Satheesh (S6 CS2), Sruthi Vinooprakash (S6 CS2), and Meera Saju (S6 CS2), who excelled across the various activities. Their dedication, creativity, and team spirit stood out throughout the programme. Along with their impressive performance, they also contributed to documenting the event and assisting in the preparation of content for this newsletter.

Events like MS2 continue to uphold the CS/IT Association's mission of nurturing innovation, building leadership qualities, and strengthening the sense of community within the department. The active involvement of both students and faculty ensures that such programmes remain impactful and memorable.

CS/IT Association – Treasure Hunt Event

The CS/IT Association of LBSITW conducted an engaging Treasure Hunt on 10th May 2023, bringing together enthusiastic student participants for a fun and intellectually stimulating experience. The event was held in the computer lab, where students collaborated in teams, deciphering clues, solving puzzles, and navigating digital and logical challenges designed to test their problem-solving skills.

The atmosphere was lively and energetic as students worked together, shared ideas, and demonstrated creativity and quick thinking. Faculty coordinators guided the event to ensure smooth conduct and encouraged participants throughout the activity.

The Treasure Hunt not only provided an enjoyable break from routine academics but also helped students enhance teamwork, analytical thinking, and time-management skills. The event was well-received, reflecting the CS/IT Association's commitment to organizing activities that blend learning with interactive engagement.

CS/IT Association – AI Quiz Competition

The CS/IT Association, in collaboration with the Bodhi Club of LBSITW, successfully organized an engaging and intellectually stimulating Quiz Competition on "Artificial Intelligence." The event challenged participants with a diverse set of questions covering key AI topics such as machine learning concepts, real-world applications, ethical considerations, and emerging technological trends.

The quiz not only tested the students' grasp of AI fundamentals but also encouraged critical thinking and awareness of current advancements in the field. The collaboration between the CS/IT Association and the Bodhi Club ensured a well-structured competition that combined learning with a spirit of healthy competition.

Such events continue to strengthen the department's dedication to fostering academic excellence, technological awareness, and active student participation. The enthusiastic response and positive feedback from students underscored the success of the programme and highlighted the growing interest in Artificial Intelligence.

Quiz Competition Winners are Rifa Shareef - S6 CS2 (First Prize), Leya Babu - S6 CS2 (Second Prize), Binsa Annie Abraham - S6 CS1 (Third Prize)

CLUB ACTIVITIES

Inauguration of FOSS Club at LBSITW

The FOSS Club of LBS Institute of Technology for Women (LBSITW) was officially inaugurated on 1st March 2023, marking a significant step in promoting Free and Open Source Software (FOSS) culture among students. The inauguration ceremony was graced by Dr. Rajeev R.R., Program Head, ICFOSS, whose presence added immense value to the event.

Under the guidance of Prof. Sandeep Chandran, Assistant Professor in the Department of Computer Science, the newly formed Executive Committee (Execom) of the club took charge to steer the club's initiatives and activities. The Execom aims to foster a collaborative learning environment where students can explore, contribute to, and advocate for open-source technologies.

A highlight of the event was the official release of the FOSS Club LBSITW logo, symbolizing the club's vision of innovation, collaboration, and knowledge sharing in the open-source domain. The logo embodies the spirit of community-driven development and the ethos of FOSS, inspiring students to actively participate in open-source projects and initiatives.

The inauguration marks the beginning of a journey where LBSITW students will engage in workshops, coding sessions, hackathons, and collaborative projects, bridging the gap between theoretical knowledge and practical experience in open-source technologies.

With a dedicated team and strong mentorship, FOSS Club LBSITW is poised to become a vibrant hub for students passionate about software freedom, innovation, and collaborative learning.

STAFF ACHIEVEMENT

Dr. Deepthi P S Delivers Expert Talk on "Unsupervised Deep Learning" at KTU-Sponsored FDP

Dr. Deepthi P S delivered an enlightening talk on "Unsupervised Deep Learning" during the Faculty Development Programme (FDP) on Deep Learning, sponsored by Kerala Technological University (KTU) and organized by the Department of Computer Science and Engineering, LBS College of Engineering, Kasaragod, held from 24th to 26th January 2023.

Her session focused on the principles and applications of unsupervised learning techniques in deep learning, where models learn patterns and representations from unlabeled data. Dr. Deepthi explored a range of topics including clustering algorithms, autoencoders, generative models, and their applications in fields such as image and speech recognition, anomaly detection, and data analysis.

The talk combined theoretical foundations with practical insights, demonstrating how unsupervised deep learning can uncover hidden structures in data, enhance feature extraction, and support intelligent decision-making. Participants, including faculty members and research scholars, actively engaged in discussions on the challenges, best practices, and innovative applications of these techniques in both research and teaching.

Dr. Deepthi P S's session contributed significantly to the FDP's goal of equipping faculty with advanced knowledge and hands-on expertise in deep learning, fostering research excellence and encouraging the adoption of cutting-edge AI technologies in academic curricula.

This event reinforced the department's commitment to nurturing innovation and enhancing the professional development of faculty members in emerging areas of computer science and artificial intelligence.

Dr. Deepthi P S Awarded ACM Diversity and Inclusion Track Scholarship to CODS-COMAD 2023

Dr. Deepthi P S was honored with the Diversity and Inclusion (D&I) Track Scholarship sponsored by ACM (Association for Computing Machinery) to attend the 6th Joint International Conference on Data Science and Management of Data (CODS-COMAD 2023), organized by IIT Bombay from 4th to 7th January 2023.

The ACM D&I Track Scholarship recognizes outstanding contributions and encourages participation from individuals who promote diversity and inclusivity in computing and research. Through this prestigious scholarship, Dr. Deepthi had the opportunity to engage with leading researchers, academicians, and industry professionals from across India and abroad.

At CODS-COMAD 2023, participants explored cutting-edge developments in data science, database management, and emerging technologies, including innovative research in big data analytics, machine learning, and data-driven decision making. Dr. Deepthi's participation not only enriched her professional expertise but also enabled her to bring back valuable insights to her teaching and research initiatives at LBSITW.

This recognition highlights Dr. Deepthi's commitment to advancing research excellence, fostering inclusivity in computing, and staying at the forefront of developments in data science and management of data, setting an inspiring example for peers and students alike.

STUDENT ACHIEVEMENT

Proud Achievement at Women Hackathon – Runners-Up

The Department of Computer Science and Engineering proudly celebrates the remarkable achievement of our students who emerged as Runners-Up at the Women Hackathon, a competitive platform designed to encourage innovation, technical excellence, and leadership among women in technology.

The event witnessed the participation of talented teams from various institutions, where students were challenged to develop innovative solutions to real-world problems within a limited timeframe. Our students demonstrated exceptional skills in problem analysis, coding, teamwork, and presentation, impressing the judges with their creativity, practical approach, and technical proficiency. The final presentation and award ceremony, held in the presence of industry experts and academic professionals, marked a memorable moment of recognition for their hard work and dedication.

Securing the runner-up position in such a prestigious hackathon highlights the students' commitment to learning beyond the classroom and their ability to apply theoretical knowledge to practical challenges. This achievement not only brings pride to the department and institution but also serves as an inspiration to fellow students to actively participate in innovation-driven competitions. The department congratulates the team for their outstanding performance and acknowledges the guidance and support provided by the faculty mentors.

Musical Excellence at NABHAS Fest

The institution proudly congratulates **Ms. Sonica R** on her remarkable achievement of winning the Title Winner of "Melodia" at NABHAS Fest, held at John Cox Memorial CSI Institute of Technology, Trivandrum. This prestigious intercollegiate cultural event brought together talented participants from various institutions, making the competition both challenging and highly competitive.

Ms. Sonica R's outstanding performance stood out for its musical finesse, emotional depth, and confident stage presence. Her dedication to music, consistent practice, and passion for artistic expression were clearly reflected in her performance, earning her well-deserved recognition from the judges and audience alike. Securing the title at such a reputed fest highlights her versatility and commitment to excellence beyond academics.

This achievement not only brings pride to the institution but also inspires fellow students to pursue and excel in co-curricular and cultural activities. The institution applauds her talent and hard work and wishes her continued success in all her future artistic and academic endeavors.

SONICA R

TITLE WINNER OF MELODIA AT NABHAS FEST, JOHN COX MEMORIAL CSI INSTITUTE OF TECHNOLOGY, TRIVANDRUM

CSI-InApp International Student Project Awards 2023

The Department of Computer Science and Engineering proudly highlights the participation of our students in the CSI–InApp International Student Project Awards 2023, a prestigious platform that recognizes innovative, impactful, and technically sound student projects at an international level.

As part of this event, students presented their project ideas before an academic and industry-oriented audience, demonstrating strong technical expertise, problem-solving ability, and confidence in communication. The presentation session provided an excellent opportunity for students to showcase their creativity, teamwork, and practical application of theoretical knowledge. The interaction reflected their preparedness, clarity of thought, and commitment to delivering real-world solutions through technology.

Participation in such a globally recognized initiative not only enhances students' academic profiles but also exposes them to industry expectations and international standards of project development. The department congratulates the students for their enthusiastic involvement and commendable effort, and appreciates the guidance and support provided by the faculty mentors. This achievement stands as a proud moment and motivates others to actively engage in research, innovation, and competitive academic platforms.

CSI-InApp International Student Project Awards 2023

OUR TOPPERS

Congratulations to Our Academic Achievers - S5 CSE 2020-2024 Batch

The Department of Computer Science and Engineering extends its heartfelt congratulations to the following students of the CSE 2020–2024 batch for their excellent performance in the Fifth Semester University Examinations, securing an SGPA of 8.5 and above.

Nancy H Varghese – SGPA: 9.11

D S Dhanya – SGPA: 9.05

Pooja Nair P – SGPA: 9.04

Kaveri V S – SGPA: 9.00

Fathima Noor – SGPA: 8.87

Anjali V M – SGPA: 8.70

Gayathri Sreekumar – SGPA: 8.65

Fathima Shahana S – SGPA: 8.59

Abhaya Das B – SGPA: 8.52

Sariga Satheesh – SGPA: 8.52

CSE 2020-2024 BATCH
FIFTH SEMESTER RESULTS
SGPA 8.5 AND ABOVE

NANCY H VARGHESE SGPA - 9.11 S6CS1	D S DHANYA SGPA - 9.05 S6CS1	POOJA NAIR P SGPA - 9.04 S6CS2	KAVERI V S SGPA - 9.0 S6CS2	FATHIMA NOORA SGPA - 8.87 S6CS1
ANJALI V M SGPA - 8.70 S6CS1	GAYATHRI SREEKUMAR SGPA - 8.65 S6CS1	FATHIMA SHAHANA S SGPA - 8.59 S6CS1	ABHAYA DAS B SGPA - 8.52 S6CS1	SARIGA SATHEESH SGPA - 8.52 S6CS2

Your commendable achievements reflect your hard work, dedication, and academic excellence. You have brought great pride to the department and serve as an inspiration to your peers. We wish you continued success and many more accomplishments in your academic and professional journey. Congratulations once again!

Heartiest Congratulations to the Fifth Semester Toppers
The Department of Computer Science and Engineering proudly congratulates the following students of the CSE 2020–2024 batch for securing the top positions in the Fifth Semester University Examinations through their outstanding academic performance.

Lavanya S Nair – SGPA: 9.52

Sampoorna Varshini MKS – SGPA: 9.48

Nivya B Higgins – SGPA: 9.13

Your exceptional results reflect your dedication, perseverance, and strong academic foundation. These achievements have brought immense pride to the department and serve as a source of inspiration for your peers. We wish you continued success and excellence in all your future academic and professional endeavors. Congratulations on this remarkable achievement!

EDITORS

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Mrs. Leeja R

Student Editors

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