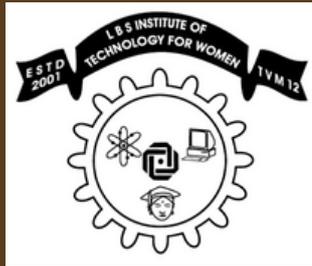


NEWSLETTER



LBS Institute of Technology for Women
Poojappura, Thiruvananthapuram



Wired

July - December 2022

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**
- **Staff Activities**
- **Association Activities**
- **Students Achievement**

HODs MESSAGE

Message from the Head of the Department

I am pleased to acknowledge the excellent initiatives undertaken by the ICFOSS Student Branch at LBSITW during the academic year 2022. The successful organization of the FDP on Blockchain Technologies and Applications, STTPs on IoT Application Development and Linux Network Administration, the two-day UI/UX Design Workshop, and the career guidance session LEVELUP highlights the department's strong focus on technical competence and career preparedness.

The Industry Interaction Session by Tata Elxsi provided valuable industry exposure to our students, while the successful campus placement at Nokia stands as a proud achievement, reflecting the quality of training and student dedication. I congratulate the faculty and students for their commendable efforts and wish them continued success in all future endeavors.



ICFOSS Student Branch at LBSITW



The ICFOSS (International Centre for Free and Open Source Software) Student Branch at LBS Institute of Technology for Women (LBSITW) was formally established during the academic year 2022–2023 with the objective of promoting awareness, learning, and active participation in Free and Open Source Software (FOSS) among students.

Since its inception, the ICFOSS Student Branch has grown into a vibrant and dynamic community, currently comprising over 600 active student members from various departments. The branch serves as a platform for students to enhance their technical skills, collaborate on open-source initiatives, and stay updated with emerging technologies aligned with the principles of openness, innovation, and community-driven development.

The activities of the student branch are organized under the able mentorship of the Student Branch Coordinator, Prof. Sandeep Chandran S, along with the support of a dedicated and enthusiastic student committee. Under this guidance, the branch regularly conducts workshops, technical talks, hands-on training sessions, awareness programs, and collaborative events that encourage students to explore and contribute to open-source ecosystems.

Through its consistent efforts, the ICFOSS Student Branch at LBSITW has successfully fostered a culture of knowledge sharing, innovation, and technical excellence. The branch continues to inspire students to adopt open-source technologies, develop problem-solving skills, and contribute meaningfully to society through technology.

STAFF ACTIVITIES

Faculty Development Programme on Blockchain Technologies and Applications



A Faculty Development Programme (FDP) on “Blockchain Technologies and Applications” was successfully conducted on 29th August 2022, with the aim of enhancing faculty knowledge and technical competence in emerging digital technologies. The programme was organized to provide an in-depth understanding of blockchain concepts and their practical applications across various domains.

The FDP was conducted by Prof. Binoy D. M. Panicker and Dr. Smitha Vas P, who shared their expertise through well-structured sessions combining theoretical explanations and hands-on demonstrations. The resource persons elaborated on core blockchain principles, including distributed ledgers, consensus mechanisms, smart contracts, and security aspects, along with real-world use cases in sectors such as finance, healthcare, supply chain management, and governance.



Faculty members actively participated in the programme, engaging in discussions and practical activities that helped clarify complex concepts and explore implementation possibilities. The interactive nature of the sessions fostered collaborative learning and encouraged participants to integrate blockchain technology into teaching, research, and academic projects. Overall, the FDP proved to be highly informative and enriching, equipping faculty members with contemporary knowledge and skills aligned with current technological advancements.

Short Term Training Programme on Application Development Using IoT

A Short Term Training Programme (STTP) on “Application Development Using Internet of Things (IoT)” was successfully conducted with the objective of equipping participants with practical knowledge and hands-on experience in emerging IoT technologies. The programme was organized to enhance technical skills and promote innovation in application development using smart and connected devices.



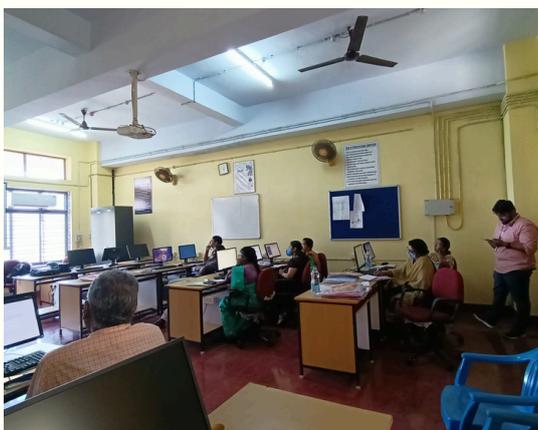
The STTP was conducted by Prof. Gisha S. and Prof. Jayalekshmi S., who delivered comprehensive sessions covering both theoretical foundations and practical implementation. The training focused on key IoT concepts such as sensor integration, microcontrollers, communication protocols, data acquisition, and real-time application development. Participants were introduced to industry-relevant tools and platforms, enabling them to design and develop IoT-based solutions for real-world problems.



The sessions witnessed active participation, with attendees engaging in demonstrations, hands-on exercises, and interactive discussions. The programme fostered a collaborative learning environment and encouraged participants to explore innovative ideas and applications using IoT. Overall, the STTP proved to be highly effective and enriching, enhancing participants' technical competence and preparing them to apply IoT concepts in academic projects, research, and practical applications.

Short Term Training Programme on Linux Network Administration

A Short Term Training Programme (STTP) on "Linux Network Administration" was successfully conducted from 1st December to 3rd December 2022, with the aim of strengthening participants' knowledge and practical skills in managing Linux-based network systems. The programme was organized to familiarize participants with essential tools and techniques used in real-world network administration.



The STTP was conducted by Prof. Anju J, who delivered well-structured sessions combining theoretical concepts with extensive hands-on practice. The training covered key topics such as Linux system installation, user and file management, network configuration, server setup, security fundamentals, and troubleshooting techniques. Participants gained practical exposure through lab sessions, enabling them to apply concepts in a real-time environment.

The hands-on approach enhanced understanding and boosted confidence in handling Linux-based network administration tasks. Overall, the STTP proved to be highly informative and effective, equipping participants with industry-relevant skills and contributing significantly to their professional and academic development.



ASSOCIATION ACTIVITIES

UI/UX Design Workshop

A two-day **UI/UX Design Workshop** was successfully conducted from **2nd July to 3rd July 2022** through an online platform, providing students with valuable insights into the fundamentals and practical aspects of User Interface and User Experience design. The workshop was organized with the objective of introducing participants to modern design principles, industry-relevant tools, and best practices followed in the field of digital product design.

The sessions were led by **Mr. Jobby Johnson**, Design Lead at HAV, who brought rich industry experience and practical knowledge to the program. Through interactive discussions and hands-on demonstrations, participants gained exposure to key concepts such as user-centered design, wireframing, prototyping, usability principles, and the importance of creating intuitive and engaging digital interfaces. The workshop was conducted via Google Meet, enabling active participation and real-time interaction despite the online mode.



Students actively engaged in the sessions, following demonstrations on their systems and clarifying doubts directly with the resource person. The well-structured sessions helped bridge the gap between theoretical knowledge and real-world application, motivating participants to explore UI/UX as a potential career path. Overall, the workshop proved to be an enriching learning experience, equipping students with essential design skills and a deeper understanding of the UI/UX domain.

LEVELUP – Career Guidance Session

A one-day Career Guidance Session titled “**LEVELUP**” was successfully conducted on **31st October 2022** with the objective of motivating students and providing them with clarity about career planning and future opportunities.



The session was led by **Mr. Jevin Zac**, Entrepreneur, who shared his valuable insights drawn from real-life experiences and professional journey. He addressed important aspects such as identifying personal strengths, setting clear career goals, developing essential skills, and adapting to the ever-evolving professional landscape. The interactive nature of the session encouraged students to reflect on their aspirations and make informed decisions regarding their academic and career choices.

The speaker also emphasized the importance of continuous learning, confidence building, and maintaining a positive mindset to achieve success in competitive environments. Students actively engaged with the resource person, making the session both informative and inspiring. Overall, the LEVELUP Career Guidance Session proved to be highly beneficial, leaving a lasting impact on the participants and motivating them to approach their future with renewed confidence and direction.

Tata Elxsi – Industry Interaction Session

An Industry Interaction Session by **Tata Elxsi** was successfully conducted on **26th November 2022**, aiming to bridge the gap between academic learning and industry expectations. The session provided students with valuable exposure to real-world industry practices and emerging trends in technology and innovation.

The representatives from Tata Elxsi shared insights into the company's work culture, core domains, and the wide range of opportunities available for young graduates. Emphasis was laid on essential skills required by the industry, including technical competence, problem-solving abilities, adaptability, and effective communication. The session also highlighted current advancements in areas such as design, engineering solutions, and digital transformation.

Students actively participated in the session, listening attentively and engaging in discussions with the speakers. The interaction helped students gain clarity on career prospects, industry expectations, and the importance of continuous skill development. Overall, the Tata Elxsi session proved to be highly informative and inspiring, motivating students to align their academic efforts with industry requirements and prepare themselves for successful professional careers.



STUDENT ACHIEVEMENT

Successful Campus Placement at Nokia

The Department proudly celebrates the outstanding achievement of our students who have been successfully placed at Nokia, a global leader in networking and telecommunications technology. This remarkable accomplishment reflects the students' academic excellence, technical competence, and consistent efforts toward professional growth.



The placement drive witnessed enthusiastic participation from final-year students, followed by a rigorous selection process that included aptitude assessments, technical evaluations, and personal interviews. Through determination, teamwork, and strong foundational knowledge, our students demonstrated their readiness to meet industry expectations and excel in a competitive corporate environment.

The following students from CS1 have secured placement at Nokia:

Annsha Mariya Thomas

Aarcha Kumudhan

Aiswarya Roy

Lianhe Miriam Chandy

Gowri Priya P



From CS2, the students who achieved this milestone are:

Rajasree R Nair

Shreya K

Sreelaya M

Vidya V L

Samyuktha Ramesh

Sharon Joseph

Meghna Shaji



This success is a testament not only to the hard work and perseverance of the students but also to the continuous guidance and support provided by the faculty members and the placement cell. Their collective efforts have played a vital role in preparing students to face real-world challenges with confidence and competence.

The department extends its heartfelt congratulations to all the selected students and wishes them great success as they embark on their professional journey with Nokia. May this achievement inspire future batches to strive for excellence and reach greater heights.

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