NEWSLETTER

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

Wired

July - December 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.

HODs MESSAGE

It is with considerable pleasure that I present this edition of the Computer Science and Engineering Department Newsletter, covering the noteworthy period of July through December 2023. This document serves as a comprehensive record of the department's unwavering dedication to academic excellence, innovation, and professional development.

The period was marked by a landmark institutional achievement: the LBS Institute of Technology for Women secured NBA Accreditation for all its programs, establishing the college as the first women's engineering college in the state to do so.

The newsletter highlights exceptional student performance, including the remarkable achievement of Sneha Suresh, who secured the 2nd Rank in Computer Science and Engineering from APJ Abdul Kalam Technological University (KTU) with a CGPA of 9.29. We also celebrate our Academic Toppers, notably the two students in S6 CS1 who achieved a perfect 10.00 SGPA. Beyond academics, our students demonstrated technical prowess, securing 3rd prize in the Robosoccer competition at Lulu DigiX'23. Furthermore, faculty contributions to thought leadership are noted, with a feature in a newspaper article on Artificial Intelligence (AI).

I extend my sincere appreciation to the faculty, staff, and students for their continued dedication and enthusiasm, which are clearly reflected in the breadth of achievements documented here.

ചരിത്രമെഴുതി എൽ.ബി.എസ് വനിതാ എൻജിനിയറിംഗ് കോളജ്
എല്ലാ പ്രോഗ്രാമുകൾക്കും എൻ.ബി.എ അക്രഡിറ്റേഷൻ

തിരുവനന്തപുരം: പൂജപ്പുര എൽ ബി എസ്സ് വനിതാ എൻജി നീയറിംഗ് കോളജിലെ എല്ലാ പ്രോഗ്രാമുകൾക്കും എൻ ബി എ അക്രഡിറ്റേഷൻ ലഭിച്ചതായി ഡയറക്ടർ ഡോ എം അ ബ്ദുൽ റഹ്മാൻ അറിയിച്ചു.

സിവിൽ എൻജിനീയറിംഗ്, ഇൻഫർമേഷൻ ടെക്നോള ജി, ഇലക്ട്രോണിക്സ് ആൻഡ് കമ്മ്യൂണിക്കേഷൻ എൻജി നീയറിംഗ്, കമ്പ്യൂട്ടർ സയൻസ് ആൻഡ് എൻജിനീയറിംഗ് എ ന്നീ പ്രോഗ്രാമുകൾക്കാണ് മൂന്നു വർഷത്തേക്ക് എൻ.ബി.എ അക്രഡിറ്റേഷൻ ലഭിച്ചത്.

രാജ്യത്തെ ഉന്നത വിദ്യാഭ്യാസ സ്ഥാപനങ്ങളുടെ ഗുണമേ ന്മ ഉറപ്പു വരുത്തുവാൻ ഉത്തരവാദിത്വമുള്ള കേന്ദ്ര സർക്കാർ സ്ഥാപനമാണ് നാഷണൽ ബോർഡ് ഓഫ് അക്രഡിറ്റേഷൻ

(എൻ.ബി.എ). രാജ്യത്തെ സാങ്കേതിക വിദ്യാഭ്യാസ സ്ഥപനങ്ങ ളുടെ അക്കാഡമിക് മികവും സാങ്കേതിക സൗകര്യങ്ങളും നേ രിട്ടു പരിശോധിച്ചിട്ടാണ് അക്രഡിറ്റേഷൻ നൽകുന്നത്.

എല്ലാ പ്രോഗ്രാമുകൾക്കും അക്രഡിറ്റേഷൻ ലഭിക്കുന്ന സം സ്ഥാനത്തെ ആദ്യത്തെ വനിതാ എഞ്ചിനീയറിംഗ് കോളേജ് ആണ് എൽ ബി എസ് വനിതാ എഞ്ചിനീയറിംഗ് കോളേജ്. ഉ ന്നതവിദ്യാഭ്യാസ വകുപ്പിന് കീഴിൽ പ്രവർത്തിക്കുന്ന കോളേ ജിൽ വിദ്യാർത്ഥികൾക്ക് മികച്ച പ്ലേസ്മെന്റാണ് ലഭിച്ചു വരു ന്നത്.

അക്കാദമികമായി മികച്ച നിലവാരം പുലർത്തുന്ന സ്ഥാപ നത്തിൽ നൂറുശതമാനം പ്ലേസ്മെന്റ് മുൻവർഷങ്ങളിൽ ലഭി ച്ചു.

A Landmark Achievement: LBS Women's Engineering College Secures Accreditation for Every Course
L.B.S. Women's Engineering College has proudly announced that every single programme offered at the institution has received full State Accreditation. This historic achievement is a significant validation of the college's dedication to academic excellence and world-class infrastructure.
The comprehensive accreditation covers all core branches, including:
Civil Engineering
Electronics & Communication Engineering
Computer Science Engineering
Applied Electronics
The recognition also includes the highly-coveted NBA (National Board of Accreditation) for its B.Tech programmes. This rigorous accreditation process certifies that the quality of education, faculty expertise, infrastructure, and student support services meet the exacting benchmarks set at the national level. This milestone assures current and prospective students that an education from LBS Women's Engineering College will provide them with a competitive edge and strong foundation for a successful career.

STAFF ACHIEVEMENT

Our staff has been actively involved in several noteworthy events recently:

Felicitation Ceremony
The Staff Club LBS Centre organized a special felicitation ceremony to honor the achievements of the Space Club members and recent Patent holders from our institution. The event was a wonderful acknowledgement of the dedication and innovative spirit of our faculty and students.

Publication in Media
One of our faculty members was featured in a newspaper article on Artificial Intelligence (AI), titled "നിർമ്മിത ബുദ്ധി: പുതിയ യാത്രപഥം" (Artificial Intelligence: A New Trajectory). This publication highlights the expertise and thought leadership of our staff in cutting-edge technological fields.

These activities demonstrate the ongoing commitment of our staff to professional excellence, innovation, and community engagement.

Presence at Keraleeyam Stall

A team of our staff participated by setting up a stall at the Keraleeyam event held at University College. This involvement helped showcase our institution's initiatives and engage with the public at this significant state-level gathering.

ASSOCIATION ACTIVITIES

#IAmRemarkable Workshop

The GDSC LBSITW conducted an engaging #IAmRemarkable Workshop as part of Prayaag 3.0. This session focused on empowering students by encouraging them to practice self-promotion and articulate their achievements, helping to boost confidence and visibility.

Code Saga: Competitive Programming

The association successfully hosted Code Saga, a Competitive Programming Competition, on November 10th, 2023. This event provided a platform for students to test their coding skills, solve complex algorithmic problems, and engage in friendly, stimulating competition.

These events represent the association's commitment to fostering both technical skills and personal development among our students!

CLUB ACTIVITIES

Robotics Club Achieves Success at Lulu DigiX'23

Congratulations to the Robotics Club members for their outstanding achievement at the Robosoccer competition held at Lulu Mall, Kochi, as part of the 'Lulu DigiX'23' event!

The team secured a fantastic 3rd prize in the competition. This recognition highlights their hard work, technical skill, and collaborative spirit.

A special round of applause goes to the winning team members:

Ashwini A R (S7CS1)

Jiya Elsa Job (S7CS2)

Theertha Sreekumar (S7CS2)

Ganga S (S5CS1)

Jamie Mathew (S5CS1)

Anjitha G N (S5CS1)

Aiswarya Elizabeth (S5CS1)

Their dedication continues to bring honor to our institution. Well done!

STUDENT ACHIEVEMENT

Our students continue to excel in both academics and extracurricular activities, bringing great pride to our institution!

Academic Excellence: Sneha Suresh

A huge round of applause for SNEHA SURESH! She secured the 2nd Rank in Computer Science and Engineering with an outstanding CGPA of 9.29 from the APJ Abdul Kalam Technological University (KTU). Her dedication and hard work are truly commendable.

SNEHA SURESH

For securing 2nd rank in Computer Science and Engineering with an outstanding CGPA of 9.89 from APJ Abdul Kalam Technological University

Sports and Games Triumphs

Table Tennis Champions: Our students secured a victory in the Table Tennis tournament held in the A-Zone of the University.University Recognition

Certificate of Appreciation: Sreelakshmi B S was honored with a Certificate of Appreciation for her contribution to the development of the official website for the KTU Annual School-off Box of our college.

We celebrate the diverse talents and successes of all our students!

STUDENTS PUBLICATION

SL.NO	STUDENT MEMBERS	GUIDE	PAPER TITLE
1	Keerthi D	Prof..Smitha ES	OCCLCUDED FACE DETECTION
	LalithaSruthi K		
	Lekshmi T		
	Blessy. P. S		
2	Abhirami C Varier	Prof. Dhanya S	AUTOMATIC MCQ GENERATOR
	Aida Ann Alex		
	Aiswary Roy		
	Annmary Abraham		
3	Devi R Krishna	Dr.Lekshmi P L	DRIVER DROWSINESS DETECTION SYSTEM USING CONVOLUTION NEURAL NETWORK
	Harilekshmi A S		
	Jisna J S		
	Anusree Raj. S		

SL.NO	STUDENT MEMBERS	GUIDE	PAPER TITLE
4	Aarcha Kumudhan	Prof. Sulphikar A	DIABETIC RETINOPATHY DETECTION USING DEEP LEARNING
	AiswaryaLekshmi V S		
	Akhila A R		
	Asima Pal		
5	Angel Jolly	Dr. Dileep V K	AUTOMATIC NUMBER PLATE RECOGNITION FOR SECURITY SURVEILLANCE
	Anjusha Benny		
	AnnshaMariya Thomas		
	Betty M Abraham		
7	Pooja Remesh	Dr.Deepthi P.S	WELLNESS PORTAL
	Samyucktha Ramesh		
	Sheethal krishnakumar		
	Varshini R		
8	Muneera	Prof. Binoy D M Panicker	E HEALTH CONSULTATION PORTAL
	Navya Paul		
	NayzaThasneem		
	Revathy P		

OUR TOPPERS

B.TECH S2 JUNE 2023 TOPPERS
CONGRATULATIONS!!

BHADRA R
SGPA 9.71

ARCHANA S A
SGPA 9.62

ISHA NANDANA
SGPA 9.57

JEAN ROGER
SGPA 9.57

Celebrating Academic Excellence: B.Tech S2 June 2023 Toppers

We extend our heartfelt CONGRATULATIONS to the exceptional students who have achieved the top ranks in the B.Tech S2 June 2023 examinations. Their dedication and hard work have yielded outstanding results:

BHADRA R - Topper with an impressive SGPA of 9.71

ARCHANA S A - Second position with an excellent SGPA of 9.62

ISHA NANDANA - Secured a strong SGPA of 9.57

JEAN ROGER - Also secured a strong SGPA of 9.57

We are incredibly proud of these students and wish them continued success in their academic journey.

S2 Result - CS2 Toppers: Celebrating Academic Excellence!

Join us in extending a massive CONGRATULATIONS to the brilliant students who topped the S2 CS2 results! Their phenomenal hard work and dedication have resulted in truly inspiring scores.

Leading the list of top achievers are:

KHADEEJA THANSEEHA V with a stunning SGPA of 9.67

SUVETHA R with an impressive SGPA of 9.6

ROSE MARIA BENNY with a stellar SGPA of 9.57

We also proudly celebrate the outstanding performance of NANDANA RAJESH K P (9.43), SHILPA PRASANTH (9.24), NAVAMI S RAHUL (9.24), RESHMA VARGHESE (9.19), KEERTHANA MANOJ (9.14), and NANDANA R P (9.05).

Keep shining brightly!

S2 Result - CS2 Toppers

KHADEEJA THANSEEHA V
SGPA 9.67

SUVETHA R
SGPA 9.6

ROSE MARIA BENNY
SGPA 9.57

NANDANA RAJESH K P
SGPA 9.43

SHILPA PRASANTH
SGPA 9.24

NAVAMI S RAHUL
SGPA 9.24

RESHMA VARGHESE
SGPA 9.19

KEERTHANA MANOJ
SGPA 9.14

NANDANA R P
SGPA 9.05

Congratulations

CSE1 S4 RESULTS JUNE 2023
ACADEMIC TOPPERS
Congratulations

ASVITHA VS
SGPA 8.91

AMRITHA S R
SGPA 8.91

GAYATHRI S R
SGPA 8.77

HARINE A P
SGPA 8.64

Academic Excellence in CSE1 S4

A huge congratulations to the Academic Toppers of the CSE1 S4 Results, June 2023! We celebrate the outstanding achievement of:

ASVITHA VS (SGPA 8.91)

AMRITHA S R (SGPA 8.91)

GAYATHRI S R

HARINE A P

Keep up the brilliant work!

CSE2 S4 Toppers Shine in June 2023 Results!

We extend our warmest Congratulations to the Academic Toppers of the CSE2 S4 Results, June 2023! Their exceptional scores are a reflection of their incredible focus and hard work this semester.

A huge shout-out to our top achievers:

Sona Ann Thomas leads the way with an outstanding 9.36 SGPA!

Vishnupriya Sashidharan achieved a stellar 9.00 SGPA!

Sivani L R also secured an impressive 9.00 SGPA!

Keep up the excellent work! We are incredibly proud of your accomplishments.

S6 CS1 Toppers Hit a Perfect 10!

Join us in giving a massive round of CONGRATULATIONS to the academic stars of CS1! Their hard work and dedication have resulted in phenomenal scores, including two perfect 10s.

A huge shout-out to our top achievers:

AYESHA S - Perfect SGPA: 10.00!

JUBI J - Perfect SGPA: 10.00!

We also proudly celebrate the exceptional performance of the students who secured the next highest scores:

ARATHY VARIAR - SGPA: 9.82

AARDRA SB - SGPA: 9.82

HRIDYA PRAMOD - SGPA: 9.82

Well done to all the toppers—you've set an inspiring benchmark!

Celebrating Excellence: Toppers of S6 CS2 (2020-2024 Batch)!

Join us in extending a huge round of Congratulations to the brilliant students of the S6 CS2 (2020-2024 Batch) for their exceptional academic performance! Their dedication and hard work have truly paid off, with multiple students achieving outstanding results.

Leading the charge are:

VAISHNAVI P with an incredible 9.13 SGPA

LAVANYA S NAIR with a stellar 9 SGPA

SAMPOORNA VARSHINI M K S with 8.98 SGPA

NIVYA B HIGGINS with 8.98 SGPA

We also proudly recognize the excellent scores achieved by: MEERA J (8.78 SGPA), KAVERI V S (8.78 SGPA), SARIGA SATHEESH (8.72 SGPA), SREELAKSHMI A S (8.7 SGPA), POOJA NAIR P (8.61 SGPA), LEKSHMI A S (8.52 SGPA), and LEYA BABU (8.52 SGPA).

Your entire batch is a testament to academic commitment!

FACULTY PUBLICATION

Sl no	Faculty Name	Title of Publication	Name of Journal/ Conference (Venue also)/Book Chapter	Month & Year of Publication
1	Prof. Pragisha K, AP	Face sketch recognition using image synthesis and deep learning	ICSCC	August, 2023

EDITORS

Staff Editors

Dr. Smitha E S
Mrs. Leeja R

Student Editors

Ms. Vinsu Susan Thomas (S7 CS2)