Since 1906 Bearys Education

Quality
Personality
Integrity

Bearys Institute of Technology (BIT)

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE

AI HORIZON

(Volume 1, Issue 1/AY 2025-26)

Bearys Knowledge Campus, Lands End, Innoli, Near Mangalore University, Mangalore - 574199

Bearys Institute of Technology

VISION

To be a premier institution in engineering education and research, fostering innovation, societal responsibility, and ethical leadership for a sustainable future.

MISSION

1. Promote innovation and cutting-edge research to develop sustainable engineering solutions for real-world and global challenges.

2. Cultivate ethical leadership and technical excellence among students to become responsible and leading engineering professionals.

3. Encourage active societal engagement and industry collaboration to drive inclusive growth and environmental responsibility.

ARTIFICIAL INTELLIGENCE & DATA SCIENCE DEPARTMENT

VISION

To be a centre of excellence in Artificial Intelligence and Data Science education and research, fostering innovation, ethical leadership, and sustainable solutions for societal advancement.

MISSION

1. To nurture technically competent and ethically grounded professionals through cutting-edge curriculum, experiential learning, and academic excellence.

2. To promote interdisciplinary research and innovation in AI and Data Science addressing real-world and global challenges.

3. To strengthen industry and societal collaboration for inclusive growth and sustainable technological solutions.

TABLE OF CONTENT

HOD'S MESSAGE

Dear Readers,

I am delighted to present this edition of the **Department Newsletter** of Artificial Intelligence and Data Science. This newsletter serves as a platform to highlight the academic, research, and co-curricular activities carried out by our students and faculty members.

The field of Artificial Intelligence and Data Science continues to evolve at an unprecedented pace, creating new opportunities and challenges across industries. Our department remains committed to equipping students with the knowledge, skills, and innovative mindset required to excel in this dynamic technological landscape.

This newsletter showcases the achievements, events, workshops, technical activities, research contributions, and accomplishments of our department during the past months. It reflects the dedication, hard work, and collaborative spirit of our students and faculty in pursuing excellence in teaching, learning, and innovation.

I congratulate the editorial team and all contributors for their sincere efforts in bringing out this newsletter. I hope it serves as a source of information, inspiration, and motivation for all readers.

Let us continue to learn, innovate, and strive for excellence as we contribute to the advancement of Artificial Intelligence and Data Science.

Wishing everyone success in their academic and professional endeavors.

Dr. Mehaboob Mujawar
Associate Professor & HOD

EDITORS MESSAGE

Dear Readers,
Welcome to the inaugural edition of the Department of Artificial Intelligence and Data Science Newsletter. This newsletter highlights the department's activities, achievements, and important events.

This edition features seminars, guest lectures, project exhibitions, industrial visits, and sports activities. These events contribute to the academic and personal growth of students.

The newsletter reflects the dedication and enthusiasm of students and faculty members. It showcases their efforts toward learning, innovation, and excellence.

Through this publication, readers can stay informed about the department's progress and accomplishments. It also serves as a record of memorable events and milestones.

Thank you for your continued support and encouragement. Future editions will bring more updates, achievements, and success stories from the Department of Artificial Intelligence and Data Science.

Ms. Meghana R Nayak
Editor In Chief

Department Overview

Established in 2022, the Department of Artificial Intelligence and Data Science is committed to nurturing skilled professionals capable of addressing real-world challenges through Artificial Intelligence, Machine Learning, and Data Analytics. The department was headed by Ms. Safra as In-Charge Head from September 2023 to February 2024. Since March 2024, the department has been led by Dr. Mehaboob Mujawar as the Head of the Department. With an annual intake of 60 students and a current strength of 222 students, the department has rapidly emerged as a center for academic excellence and innovation.

The department is supported by a dedicated team of 9 faculty members who strive to provide quality education, encourage research, and promote industry-oriented learning. The curriculum emphasizes emerging technologies such as Artificial Intelligence, Data Science, Machine Learning, Deep Learning, and Data Analytics, preparing students for the evolving technological landscape.

The departmental student association, **BIT-ADVA**, serves as a platform for enhancing technical, leadership, and organizational skills. The department regularly organizes flagship events including **IntelliQuest**, a one-day technical symposium; **AI Sparkathon**, a two-day hackathon focused on Artificial Intelligence and Data Science; and **Sportelligence**, the departmental annual sports event that promotes teamwork and holistic development.

The department actively contributes to research and innovation with more than **10 Scopus-indexed publications, 20 book chapters, and over 30 conference papers** published by faculty members. Through academic excellence, research initiatives, technical activities, and student-centered learning, the Department of Artificial Intelligence and Data Science continues to prepare competent professionals and future innovators for the global technological community.

AI&DS STAFF

Dr. Mehaboob Mujawar
Associate Professor & HOD
Qualification: B.E, M.E, PhD, MISTE
Teaching Experience: 7 years

Dr. Umera Banu
Associate Professor
Teaching Experience: 22 years
Research Experience: 8 years
Qualification: B.E, M.Tech, Ph.D

Mrs. Masooda
Assistant Professor
Teaching Exp: 7 years
Industry Exp: 4 years

Mrs. Akshatha.T
Assistant Professor
Qualification: M.Tech
Teaching Exp. : 2 years
Industry Exp. : 2 years

AI&DS STAFF

Mrs. Soudha N
Experience: 2 years

Ms. Mariyath Shabnam
Teaching Experience : 1.6 years

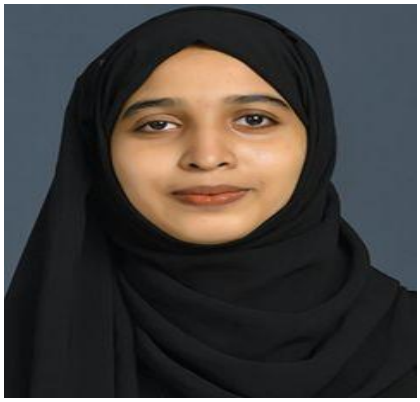
Ms. Huzaina
Teaching Experience : 1.6 years

Ms. Nabeesathul Safreena
Teaching experience: 6 months

AI&DS STAFF

Ms. Meghana R Nayak
Teaching Experience : Nil

SUPPORTING STAFF



Ms. Aysha Asna
Experience : 1.3 years

Mr. Mohammed Jabeer
Attender

BIT-ADVA

Ms. Meghana R Nayak
ADVA Coordinator

The Artificial Intelligence and Data Science Visionary Association (ADVA) is a student-driven platform dedicated to fostering innovation, creativity, and technical excellence among students of the Department of Artificial Intelligence and Data Science. ADVA aims to bridge the gap between academic learning and industry requirements by providing opportunities for practical exposure and skill development.

The association actively organizes seminars, workshops, guest lectures, project exhibitions, industrial visits, hackathons, and technical competitions. These activities help students gain hands-on experience, stay updated with emerging technologies, and enhance their problem-solving abilities.

ADVA encourages students to develop leadership, teamwork, and communication skills through active participation in various departmental and institutional events. It serves as a platform for sharing knowledge, exchanging ideas, and promoting collaborative learning among students and faculty members.

Faculty Executive Committee			
Sl. No.	Name of the faculty	Designation	
1	Dr. Mehaboob Mujawar	Associate Professor & HOD	President
2	Ms. Meghana R Nayak	Teaching Assistant	ADVA-Coordinator
3	Prof. Soudha N	Assistant Professor	Member
4	Prof. Akshatha T	Assistant Professor	Member
5	Prof. Masooda	Assistant Professor	Member
Student Executive Committee			
Sl. No	Name of the Student	Class	Designation
1	Mr. Mohammad Anouf Saani	3rd year	President
2	Mr. Ziyan Ismail K	3rd year	Vice President
3	Ms. Nadiya Khanun	3rd year	Secretary
4	Mr. Mohammad Aman	3rd year	Media Coordinator
5	Mr. Siham Shameer Mohammad	3rd year	Assistant Media Coordinator
6	Mr. Saad Mohammed	3rd year	Treasurer
7	Mr. Mohammed Imbran	3rd year	Sports Coordinator
8	Mr. Mohammed Faisal Hussain	3rd year	Assistant Sports Coordinator
9	Ms. Nisha Fathima Hasan	3rd year	Cultural Coordinator
10	Ms. Madeeha Tabassum	3rd year	Assistant Cultural Coordinator

ZERO PLASTIC DRIVE

The Department of Artificial Intelligence and Data Science, Bearys Institute of Technology, organized a Zero Plastic Drive on 27th April 2026 at Bearys Knowledge Campus, Mangalore, as part of Earth Week 2026 celebrations. The event was conducted in association with BIT-ADVA and the Institution's Innovation Council to promote environmental sustainability and reduce plastic waste on campus.

The program began with an awareness session by Dr. Mehaboob Mujawar on the importance of sustainable practices and reducing plastic usage. Students of 4th and 6th semester AI & DS actively participated in collecting plastic waste from various areas of the campus and promoting eco-friendly alternatives such as cloth bags.

The initiative successfully raised awareness about plastic pollution, encouraged responsible waste management, and reinforced the commitment of students and faculty towards creating a cleaner, greener, and more sustainable campus environment.

ZERO PLASTIC DRIVE

BIT TechVerse 2026
24-Hour Inter-Collegiate Hackathon

The Department of Artificial Intelligence and Data Science and the Department of Computer Science and Engineering, in association with BIT-ADVA and CEA-BIT, successfully organized BIT TechVerse 2026, a 24-hour inter-collegiate hackathon, on 9th and 10th May 2026 at Bearys Institute of Technology, Mangalore.

The event attracted 40 teams comprising 160 participants from various engineering colleges across Karnataka. Participants developed innovative solutions under the themes of Future Tech, Med Tech, and Rural Tech, showcasing their creativity, technical expertise, and problem-solving abilities.

The winners of BIT TechVerse 2026 were:

1. DecodeX from PES Institute of Technology, Shivamogga (First Prize)
2. VisionX from Bearys Institute of Technology, Mangalore (Second Prize)
3. Stop Sign from Yenepoya Institute of Technology, Moodbidri (Third Prize).

The event concluded successfully, promoting innovation, collaboration, and industry-oriented learning among students.

BIT TechVerse 2026
24-Hour Inter-Collegiate Hackathon

NPTEL ACHIEVERS

Successfully completed the 4-week NPTEL certification course **"Software Testing"** with **Elite** certification. The course provided an in-depth understanding of software testing principles, methodologies, and best practices essential for ensuring software quality and reliability. It covered the software testing life cycle, test planning, test case design, defect tracking, verification and validation techniques, and quality assurance processes used in modern software development environments.

The course explored various levels of testing, including unit testing, integration testing, system testing, acceptance testing, and regression testing. It also emphasized black-box and white-box testing techniques, equivalence partitioning, boundary value analysis, control flow testing, data flow testing, and mutation testing. In addition, the course introduced concepts related to test automation, test management, and software quality metrics for evaluating the effectiveness of testing activities.

Through assignments and assessments, practical knowledge was gained in designing effective test cases, identifying software defects, analyzing testing outcomes, and applying systematic approaches to improve software quality. The course strengthened the ability to develop robust testing strategies, ensure compliance with software requirements, and contribute to the delivery of reliable and maintainable software systems.

Certification Details:
Course: Software Testing
Duration: 4 Weeks
Platform: NPTEL
Achievement: Elite Certification
Area: Software Engineering and Quality Assurance
Outcome: Enhanced expertise in software testing methodologies, quality assurance practices, test design techniques, and defect management processes.

NPTEL ACHIEVERS

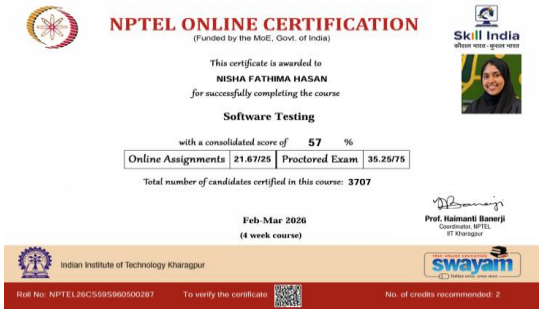
Nadiya Khanum – 6th Semester

Nadiya Khanum successfully completed the NPTEL course **"Software Testing"** conducted during **February–March 2026**. She secured a **Consolidated Score of 62%**, demonstrating a strong understanding of software testing concepts and methodologies. She achieved **23.75/25** in Online Assignments and **38.51/75** in the Proctored Examination. Her dedication and consistent effort contributed to this achievement. The department congratulates her on this accomplishment.

Madeeha Tabassum – 6th Semester

Madeeha Tabassum successfully completed the NPTEL course **"Software Testing"** offered during **February–March 2026**. She earned a **Consolidated Score of 61%**, reflecting her commitment to learning and academic excellence. She secured **23.75/25** in Online Assignments and **37.50/75** in the Proctored Examination. Her achievement highlights her interest in enhancing. her technical knowledge beyond the curriculum. The department appreciates and congratulates her for this success.

Nisha Fathima Hasan – 6th Semester



Nisha Fathima Hasan successfully completed the NPTEL course **"Software Testing"** conducted during **February–March 2026**. She obtained a **Consolidated Score of 57%**, showcasing her understanding of key software testing principles. She scored **21.67/25** in Online Assignments and **35.25/75** in the Proctored Examination. Her dedication towards continuous learning and skill development is commendable. The department congratulates her on this noteworthy achievement.

FACULTY PUBLICATIONS

1. **Journal Ranking: Q2 Mehaboob Mujawar**, Aasheesh Raizada, T. Gunasekaran, Subuh Pramono, Abdullah Gubbi, "Enhanced attack detection in IoT using multi-kernel support vector attention autoencoders" Communications in Statistics – Simulation and Computation, Print ISSN: 0361-0918, Online ISSN: 1532-4141, Publisher: Taylor and Francis, Published: 03 Feb 2026 [https://doi.org/10.1080/03610918.2026.2622541]
2. **Journal Ranking: Q3 Mehaboob Mujawar**, T Gunasekaran, Subuh Pramono, "Array of Rectangular Shaped Wearable Antenna for Healthcare Applications" Journal of Circuits, Systems and Computers, Print ISSN: 0218-1266, Online ISSN: 1793-6454, Publisher: World Scientific Publishing Co Pte Ltd, Published: 03 April 2026 [https://doi.org/10.1142/S0218126626502154]
3. **Journal Ranking: Q1** Subuh Pramono, Cahya Edi Santosa, Meiyanto Eko Sulistyo, **Mehaboob Mujawar**, "Performance Improvement of MIMO Antenna Utilizing AMC Incorporating FSS Superstrate Structures for C-Band Applications" Results in Engineering, Online ISSN: 2590-1230, Volume:30, Publisher: Elsevier, Impact Factor: 7.9, Published: 26 March 2026 [https://doi.org/10.1016/j.rineng.2026.110284]

FACULTY PUBLICATIONS

4. **Journal Ranking: Q1** Subuh Pramono, Ari Sriyanto Nugroho, Meiyanto Eko Sulistyo, **Mehaboob Mujawar,** "A novel double defected ground structures and parasitic patches for enhanced MIMO antenna performance" Scientific Reports, Online ISSN: 2045-2322, Publisher: Nature Publishing Group UK, Published: 20 March 2026 [https://doi.org/10.1038/s41598-026-44869-8]

Book chapters:

1. **Mehaboob Mujawar,** Aasheesh Raizada, Gunasekaran Thangavel, Subuh Pramono, Abdullah Gubbi, "Development and Evaluation of a Two-Phase Network Intrusion Detection System Using Decision Tree Classifiers", Chapter No: 04, Name of the Book: AI-Driven Intrusion Detection and Prevention for Business Cybersecurity, IGI Global, Page no: 113-134, Year: 2026, ISBN13: 9798337352237 [DOI: 10.4018/979-8-3373-5223-7.ch004]

STATE LEVEL FUNDS SANTIONED

Sr. No.	Project Title	Amount Sanctioned (₹)	Academic Year	Project Status	Total Amount (₹)
1	Efficient and Secure Anomaly Detection Technique Using DWU-ODBN for IoT-Enabled Multimedia Communication Systems	3,500	2025–2026	Completed	10,500
2	AI Deep Forge: An Integrated Unimodel for Digital Forensics in AI Generated Content	3,500	2025–2026	Completed	
3	AI-Driven Climate Impact Forecasting with Real-Time Social Sentimental Analysis	3,500	2025–2026	Completed	

STUDENT'S ACHIEVEMENT

Outstanding Achievement in TCS TechBytes Inter-College IT Quiz Competition

The Department proudly congratulates **Mohammed Aife** and **Mohammed Saalihi Ali**, students of **6th Semester**, for securing **Third Prize** in the prestigious **TCS TechBytes Inter-College IT Quiz Competition – 2026**. Organized by **Tata Consultancy Services (TCS)** in association with **BITES (Board for IT Education Standards), Government of Karnataka**, the competition brought together talented students from various engineering institutions across the region.

Representing our institution as a team, they demonstrated exceptional knowledge in Information Technology, current technological trends, logical reasoning, and problem-solving skills. Their outstanding performance throughout multiple rounds of the competition earned them a place among the top-performing teams and culminated in a well-deserved third-place finish at the regional finals held at **Sahyadri College of Engineering & Management, Mangaluru**.

This achievement reflects their dedication, teamwork, competitive spirit, and passion for continuous learning beyond the classroom. Their success serves as an inspiration to fellow students and highlights the academic excellence fostered within the department. We extend our heartfelt congratulations to both students and wish them continued success in all their future endeavors.

ACADEMIC TOPPERS

3RD SEMESTER

SL.No	USN	NAME	SGPA
1	4BP24AD055	SHAUBIN FATHIMA	9
2	4BP24AD018	FATHIMA SANIYA	8.6
3	4BP24AD009	ARSHAD ALI	8.5

5TH SEMESTER

SL.No	USN	NAME	SGPA
1	4BP23AD048	NAFISATH MISHRIYA	9
2	4BP23AD024	MADEEHA TABASSUM	8.6
3	4BP23AD004	ABDUL SAMHOON	8.5
4	4BP23AD046	NADIYA KHANUM	8.5

7TH SEMESTER

SL.No	USN	NAME	SGPA
1	4BP22AD026	M D RAIYAN AHMED	9.42
2	4BP22AD049	SUHA FATHIMA	9.42
3	4BP22AD007	ASIYA AFREEZA	9.38
4	4BP22AD052	SUMAIYA NAZNEEN	9.38
5	4BP22AD022	MAHAMMAD SHAHIM SHEESH	9.25

QSPIDERS INTERNSHIP ACHIEVERS

Students Selected for Internship Opportunity at QSpiders CampusConnect

The Department is proud to announce that eight of our students have been successfully selected for an internship opportunity through the recruitment process conducted by **QSpiders CampusConnect**, a unit of Test Yantra Software Solutions India Pvt. Ltd. The students qualified through a rigorous screening and interview process, demonstrating their technical knowledge, aptitude, and professional skills.

The selected students are:

1. **MOHAMMAD ANOUF SAANI**
2. **MOHAMMED IBRAHIM BATHISHA**
3. **MOHAMMED SAALIHI ALI**
4. **MOHIDDEN MOHAMMED SUHAIB**
5. **MOIDEEN AFNAN**
6. **NISHA FATHIMA HASAN**
7. **MADEEHA TABASSUM**
8. **NADIYA KHANUM**

As part of this internship program, the students will undergo industry-oriented training in emerging technologies such as Full Stack Development, Python, Data Analytics, Data Science, Software Testing, and DevOps. Their selection reflects their dedication, perseverance, and commitment to continuous learning and professional growth.

This achievement is a matter of pride for the department and serves as an inspiration to fellow students aspiring to build successful careers in the IT industry. We congratulate all the selected students and wish them great success in their internship journey and future endeavors.

QSPIDERS INTERNSHIP ACHIEVERS

AI&DS PLACEMENT BATCH 2022 -26

FARYA NAAZ
Offered by

FARIYA
Offered by

ANISA
Offered by

ASIYAMATH AZEEMA
Offered by

AYISHATH SAFA
Offered by


THANK YOU