



B.V.V. SANGHA'S  
**BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE - 587102**

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

# AI CHRONICLES

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Unfolding the Journey of Minds and Machines

## GREEN AI

INTELLIGENT SOLUTIONS FOR A SUSTAINABLE TOMORROW

From the Department of AIML,

Welcome to the June 2027 edition of AI Horizons. This issue showcases the department's commitment to academic excellence, innovation, research, and industry engagement. We believe that Artificial Intelligence and Machine Learning are shaping the future by solving real-world challenges and creating sustainable technological solutions.

This month's newsletter highlights departmental activities, student achievements, placement initiatives, research contributions, workshops, hackathons, and other significant events. As we continue to foster creativity, critical thinking, and lifelong learning, we encourage every student to embrace innovation and contribute meaningfully to society through AI.

"The future belongs to those who innovate with knowledge, ethics, and purpose."

# Open Day Event at BEC

Basaveshwar Engineering College, Bagalkot, successfully organized an **Open Day** on **20th June 2026 (Saturday)** from **9:30 AM to 5:00 PM**. The event was conducted with the objective of providing insights into engineering education and showcasing the academic environment of the institution.

The programme was open to **engineering aspirants, parents, and the general public**, who actively participated in the event. The Open Day included the following activities:

- Campus Tour
- Department Visits
- Project Exhibition by students
- Admission Information Session

Visitors had the opportunity to explore the campus facilities, interact with faculty members, and understand various engineering programmes offered by the institution. The project exhibition highlighted innovative student projects and technical achievements across departments.

The event was coordinated under the guidance of **Dr. B. R. Hiremath, Principal, BEC Bagalkote**, and **Dr. R. N. Herkal, DTE, B.V.V. Sangha, Bagalkote**.



# 8<sup>TH</sup> BOARD OF STUDIES (BoS) MEETING

The **8th Board of Studies (BoS) Meeting** of the Department of Artificial Intelligence and Machine Learning was conducted on **30 June 2026 (Tuesday) at 11:00 AM**. The meeting was chaired by **Dr. Bharathi Reshmi, Head of the Department**, and attended by VTU nominee, subject experts from reputed institutions, industry representative, faculty members, and student representatives.

The meeting commenced with the welcome address to all BoS members, followed by the confirmation of the minutes of the 7th BoS meeting held on 03 September 2025. The department presented an appraisal of its academic, research, and student activities carried out since the previous BoS meeting, along with an analysis of the academic performance for the odd and even semesters of the academic year 2025-26.

Key academic matters discussed and approved during the meeting included:

- Approval of the revised NEP scheme (160 credits) for 3rd to 8th semesters applicable to students admitted in the academic year 2025-26 and lateral entry students from 2026-27.
- Approval of the syllabi for 3rd to 8th semester courses under the respective academic schemes.
- Introduction of the Audit Course **"Reinforcement Learning"** for 7th Semester and the Open Elective **"Prompt Engineering."**
- Approval of NPTEL online courses to be offered during the academic year 2026-27.
- Approval of revised evaluation schemes for core courses, integrated professional courses, mini project, major project, internship, and seminar.
- Approval of the revised CIE and SEE question paper pattern for four-unit courses.
- Approval of the panel of examiners for laboratory examinations and valuation for the academic year 2026-27.
- Approval of equivalent courses and discussion of other academic matters with the permission of the Chair.

The meeting concluded with a formal vote of thanks, appreciating the valuable suggestions and guidance provided by the distinguished BoS members towards strengthening the academic quality and curriculum of the department.



# pralamban

The Department of Artificial Intelligence and Machine Learning , Basaveshwar Engineering College, Bagalkote, in association with AIM, organized a **Farewell Day “Pralamban 2026”** on **19th June 2026 at MBA Quadrangle, BEC Campus** from 4:00 PM onwards.

The event was conducted to bid farewell to the outgoing students and celebrate their academic journey and achievements. The programme brought together students, faculty members, and alumni in a vibrant and emotional gathering.

The event was graced by distinguished personalities:

- **Chief Guest:** Dr. S. L. Hoti, Dean Research & Development, BVVS Centre for Basic and Translational Health Research, Bagalkote
- **Guest of Honor:** Ms. Shreeraksha G. Chulki, Software Engineer I, Baracuda Networks (Alumni 2021-2025)
- **Gracious Presence:** Dr. R. N. Herkal, DTE, B.V.V. Sangha, Bagalkote
- **President:** Dr. B. R. Hiremath, Principal, BEC, Bagalkote

The programme included inspiring addresses by dignitaries, sharing of experiences by alumni, and motivational messages for the outgoing students. The event highlighted academic memories, student achievements, and future career aspirations.

The farewell function was successfully coordinated by student coordinators **Vikas G. A. and Aishwarya A.**, under the guidance of **Prof. Lakshmi P. Kolur (Coordinator)** and **Dr. Bharati Reshmi (HOD)**.

The event concluded with gratitude and best wishes for the outgoing students as they step into their professional journeys.



B.V.V.Sangha's

## **BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE** Department Of Artificial Intelligence and machine Learning **PRALAMBAN - 2026**





The events witnessed enthusiastic participation from students and faculty members, making the occasion vibrant and memorable. The programme concluded with appreciation and best wishes from the department, marking a memorable farewell and a positive beginning for the students' future careers.



# Celebration of International Yoga Day

Basaveshwar Engineering College, Bagalkote, organized a **Yoga Session on the occasion of International Yoga Day** on **21st June 2026** at the BEC Playground. The event was conducted for faculty, staff, and students with the objective of promoting physical fitness, mental well-being, and a healthy lifestyle.

The yoga session was led by **Yoga Master Shri S. K. Kuppast** from Vivekananda Yoga Vignana Kendra, Bagalkote, who guided participants through various yoga asanas and breathing techniques beneficial for healthy ageing and overall wellness.

The programme was conducted under the guidance of the college and B.V.V. Sangha leadership, including:

- **Dr. B. R. Hiremath**, Principal, BEC
- **Dr. R. N. Herkal**, DTE, B.V.V. Sangha
- **Shri Mahesh Athani**, Hon. Secretary, B.V.V. Sangha
- **Shri Veeranna Charantimath**, Chairman, B.V.V. Sangha



**Dr. B. M. Reshmi**, Associate Professor and Head, Department of Artificial Intelligence & Machine Learning, Basaveshwar Engineering College, Bagalkote, served as the judge for **AVISHKAAR-2026**, the Department-level Project Exhibition and Competition organized by the Department of Electronics and Communication Engineering from **9:30 a.m. to 5:00 p.m.**



**Prof. Bramhanand Reddy** from Basaveshwar Engineering College participated in a one-week Faculty Development Programme (FDP) on “**Agentic AI and Explainable AI Tools and Its Applications**”, organized by the Department of Information Technology, JSPM's Rajarshi Shahu College of Engineering, Tathawade, Pune-33.

- The FDP was conducted from 22nd June 2026 to 26th June 2026 and focused on emerging concepts in Agentic AI systems, Explainable AI techniques, and their practical applications in modern intelligent systems.
- The programme provided valuable exposure to advanced AI tools, real-world implementation strategies, and current research trends in trustworthy and interpretable artificial intelligence.

**Prof. Javashheela D. K.** and **Dr. Bharati Reshmi** from Basaveshwar Engineering College participated in a guest lecture held on **23rd June 2026** at the Medical Education Hall, S.N. Medical College, Bagalkot.

The session was delivered by **Shri Amitabh Mishra, Deputy General Manager (Biopharma), National Research Development Corporation (NRDC), New Delhi.**

The lecture covered the **following key themes:**

- Healthcare innovation and business prospects
- Regulatory understanding and issues in healthcare technology commercialization



# AI FOR SUSTAINABLE TECHNOLOGICAL SOLUTIONS

Intelligent Innovations for a Better Tomorrow

AI empowers us to build a smarter, greener and more sustainable future by addressing global challenges through data, innovation and responsible technology.

## ENVIRONMENT & CLIMATE ACTION

- AI analyzes satellite data to monitor deforestation and protect biodiversity.
- Predicts weather patterns, floods and natural disasters.
- Improves air and water quality monitoring.



## SMART ENERGY

- AI optimizes energy generation and distribution.
- Smart grids balance demand and supply efficiently.
- Predictive maintenance reduces downtime and saves energy.



## SUSTAINABLE AGRICULTURE

- AI-powered solutions enable precision farming.
- Monitors crop health, soil moisture and weather.
- Reduces water, fertilizer and pesticide usage.



## HEALTHCARE FOR ALL

- AI assists in early disease detection and accurate diagnosis.
- Enables telemedicine and remote patient monitoring.
- Improves treatment outcomes and accessibility.



## SMART CITIES

- AI improves traffic management and reduces congestion.
- Optimizes waste collection and water distribution.
- Enhances public safety and quality of life.



### RESPONSIBLE AI

Ethical, transparent and fair AI for a better society.



### CLEANER PLANET

AI helps conserve natural resources and protect our environment.



### BETTER ECONOMY

AI drives innovation, efficiency and sustainable economic growth.



### HEALTHIER SOCIETY

AI improves healthcare, education and overall well-being.



### SUSTAINABLE FUTURE

Together, AI and humanity can build a sustainable tomorrow.

🌱 INTELLIGENT TODAY, SUSTAINABLE TOMORROW | AI FOR PEOPLE, PLANET AND PROGRESS

India has emerged as a global leader in leveraging Artificial Intelligence (AI) to address **societal challenges and promote sustainable development**. Through visionary policies, national missions, and digital transformation initiatives, the Government of India is integrating AI into sectors such as healthcare, agriculture, education, energy, governance, and environmental conservation.

## National AI Mission

The Government of India has launched the IndiaAI Mission to strengthen AI innovation, research, computing infrastructure, startup ecosystems, and skill development. The mission aims to position India as a global hub for responsible and inclusive AI.

## AI in Agriculture

AI-based technologies help farmers improve crop productivity through precision farming, disease detection, weather forecasting, soil health monitoring, and smart irrigation systems. These initiatives contribute to food security while conserving water and other natural resources.

## **AI in Healthcare**

Government initiatives promote AI for early disease diagnosis, medical image analysis, telemedicine, and digital health services. AI-enabled healthcare improves accessibility and quality of medical services, particularly in rural and underserved regions.

## **Smart Cities and Urban Development**

AI supports intelligent traffic management, waste management, public safety, water resource management, and energy-efficient infrastructure under India's smart city initiatives. These technologies improve the quality of urban life while reducing environmental impact.

## **Digital Governance**

The Government is utilizing AI to enhance citizen services through digital platforms, automate public service delivery, detect fraud, and improve decision-making in governance. AI-powered solutions increase transparency, efficiency, and accountability.

## **Environmental Sustainability**

AI applications are used to monitor forests, predict natural disasters, assess air and water quality, and support climate resilience. Satellite data and machine learning models help policymakers make informed environmental decisions.

## **AI Education and Skill Development**

Through initiatives such as FutureSkills Prime, AI laboratories, and higher education programs, India is preparing students and professionals with the skills needed for the AI-driven economy. Universities and research institutions are expanding AI education and innovation.

## **Startup Ecosystem**

India has a rapidly growing AI startup ecosystem supported by government initiatives, incubation centres, and innovation programs. These startups are developing AI solutions in agriculture, healthcare, finance, education, manufacturing, and sustainability.

## **Towards a Sustainable Future**

India's vision is to harness AI for inclusive growth while ensuring ethical, transparent, and responsible deployment of technology. By combining innovation with sustainability, India is building intelligent solutions that improve lives, strengthen the economy, and contribute to achieving the United Nations Sustainable Development Goals (SDGs).

"AI for All, AI for Good" reflects India's commitment to using Artificial Intelligence for sustainable development, inclusive growth, and national progress.

# ANN Challenge 2026: Internal Hackathon

The department successfully organized **ANN Challenge 2026 - Internal Hackathon**, providing students with a platform to showcase their innovation, teamwork, and problem-solving abilities in the field of Artificial Intelligence and Neural Networks.

Participants developed creative AI-based solutions, demonstrating technical competence and collaborative learning. The event encouraged healthy competition and enhanced students' practical exposure to real-world AI challenges.



# BIRTHDAY CELEBRATION

The Department of Artificial Intelligence and Machine Learning celebrated the birthday of **Prof. Lakshmi P. Kolur** with enthusiasm and warmth. Faculty members and students gathered to extend their heartfelt wishes, making the occasion memorable through a small celebration that reflected the department's spirit of togetherness and camaraderie.



## INSTITUTION VISION

- To be an institution of excellence in education, research and innovation for sustainable future.

## MISSION

- Develop globally competent professionals for future talent requirements.
- Nurture a culture of research, Innovation and entrepreneurship.
- Promote collaborations, extension and outreach programs for addressing industrial and societal needs.
- Imbibe moral and ethical values.
- Foster ecological and environmental consciousness.

## DEPARTMENT VISION

- To develop competent, social and ethically responsible professionals in Artificial Intelligence and Machine Learning through excellence in education, research and innovation.

## MISSION

- Develop globally competent AIML professionals to address real world problems
- Imbibe moral and socio-ethical values
- Cultivate multi-disciplinary environment that encourage collaboration and life-long learning
- Foster culture of research, innovation and entrepreneurship

## EDITORIAL BOARD

Editorial Advisor  
**Dr. Bharati M. Reshmi**

Chief Editor  
**Miss. Laxmi Muttappanavar**

Student Member :  
**Mr. Chinmay R. M (6<sup>th</sup> Sem)**

### Faculty Members :

- Dr. Vishwanath C. Kagawade
- Prof. Brahmanand Reddy
- Smt. Jayasheela D. Kallaganger
- Smt. Lakshmi P. Kolur



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