



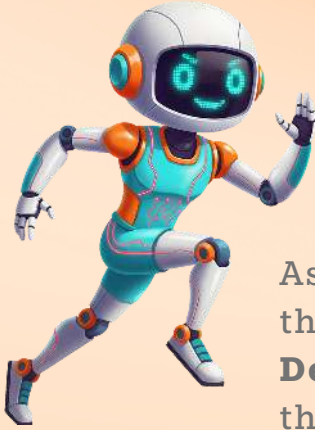
B.V.V. SANGHA'S
BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE - 587102

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

AI CHRONICLES

ISSUE 3 • DECEMBER 2025

Unfolding the Journey of Minds and Machines



2026

MINDS AT WORK, FUTURES IN MOTION



Winter Edition



As we close the final chapter of the year and stand on the threshold of a New Year filled with possibilities, the **December Edition** of our Department Newsletter captures the spirit of reflection, gratitude, and forward vision.

This issue showcases the vibrant journey of our department — from innovative student projects and research breakthroughs to placement successes, faculty achievements, and career pathways that extend from campus to premier institutions like IITs. Each section is a testament to the collective efforts of our students, faculty, and staff who have contributed to making this year meaningful and impactful.

With Project Pulse highlighting creativity, Placement Chronicle celebrating career milestones, Research Horizons showcasing scholarly excellence, and AI Career Compass guiding future aspirations, this edition weaves together moments of pride and preparation. Ink and Intellect reflects thoughtful expression, while Career Launch Pad and From Campus to IIT inspire ambition beyond boundaries.

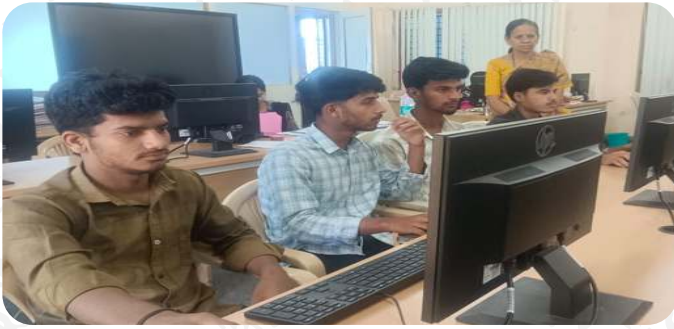
As winter ushers in calm reflection through Winter Vibes, we look ahead with renewed energy, determination, and optimism. May the coming year bring new goals, deeper learning, stronger collaborations, and greater success for every member of our academic community.

✨ Wishing you a Happy, Healthy, and Purpose-Driven New Year! ✨



PROJECT PULSE

Dr. Bharati Reshmi guiding two teams of final-year diploma students from BVVS Polytechnic, Bagalkote.



Dr. Vishwanath Kagawade guiding two teams of final-year diploma students from BVVS Polytechnic, Bagalkote.



Our 1st year students participated in **BEC-IIC 8.0**, organized in association with the Association of Civil Engineering, BEC Bagalkote, which conducted “Demo Day – Idea Showcase” on **22 November 2025**. The students were guided and mentored by **Prof. Anita G. Kori** and **Prof. Brahmanand Reddy**.

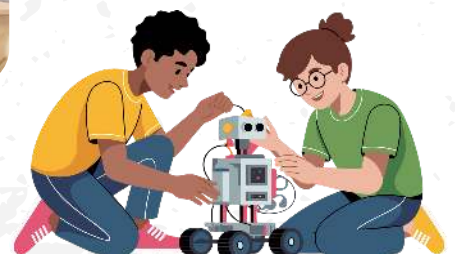


Prof. Anita G. Kori and **Prof. Brahmanand Reddy** actively guided first-year students for **IDT (Innovation Design Thinking)** projects, fostering creativity, user-centric problem-solving, teamwork, and interdisciplinary learning.

Government High School, Hebballi (Taluk Badami) staff and students visited the Robotics Laboratory on 12th December 2025. Dr. Vishwanath Kagawade and Prof. P. V. Kulkarni explained robot functioning and lab facilities.



Government High School, Hebballi (Taluk Badami) staff and students visited the our **department on 12th December 2025**. **Dr. Vishwanath Kagawade** and **Prof. Jayasheela D. K** and **Prof. Laxmi Muttappanavar** explained about Artificial Intelligence and Machine Learning.



Alumni from CSE and other branches visited the Robotics Lab on 13th December 2025. Dr. Vishwanath Kagawade explained working of various Robots and other equipments in the lab. Dr. R. N. Herkal (Technical Director) was also present.



Dr. Bharati Reshmi delivered lectures on the topic “Data Visualization” on 11 December 2025 from 5:30 PM to 7:30 PM as a part of the Student AI Club activities at Basaveshwar Engineering College , Bagalkote.



Dr. Vishwanath Kagawade delivered lectures on the topic “Introduction to Artificial Intelligence and Machine Learning” on 03 December 2025 from 5:30 PM to 7:30 PM as a part of the Student AI Club activities at Basaveshwar Engineering College (BEC), Bagalkote.

Dr. Vishwanath Kagawade was the speaker for the workshop on “AI and Industry 4.0 Tools for Innovators and Entrepreneurs” organized by the Institute Innovation Council (IIC) 8.0 on 30th December 2025 in CSE seminar hall.



Placement Chronicle



Congratulations!

Mr. Parth Ishwarappagol (7th Semester) secured placement at Infosys with a ₹ 6.25 LPA package, making the department proud.

Think like GPT:

Generate Ideas Boldly, but Learn continuously



Research Horizons

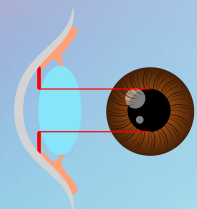
Dr. Bharati Reshmi was awarded a Copyright Certificate for her work titled “**AI Powered Framework for Automatic Detection of Tessellated Retinal Disease in Fundus Images**” registered under the Copyright Act, 1957.



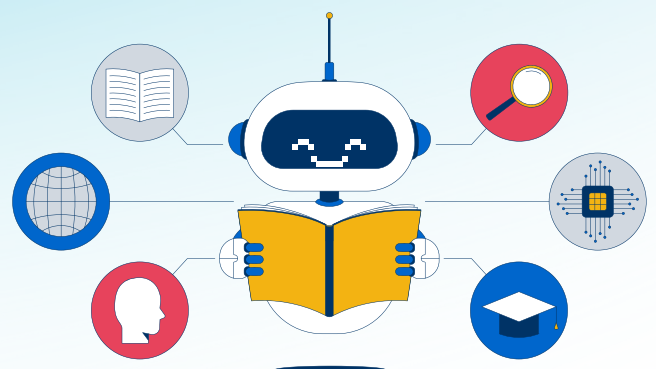
Dr. Bharati Reshmi had her research paper titled “**A Novel Hybrid Approach for Preprocessing and Contour Detection of Tessellated Fundus Images**” accepted for presentation at the **2025 IEEE International Conference** on Intelligent Systems, Smart and Green Technologies (ICISSGT-2025).

Prof. Anita G. Kori presented a research paper titled “**Data Analytics-Driven Cyber security Risk Prediction for Industry 4.0 Smart Factories Using AI Models**” at the International Conference on Advances in Additive Manufacturing and Emerging Materials Processing (ICAMMP-2025) held on **December 11-12, 2025** organized by Amritsar Group of Colleges (Engineering, Law, and Pharmacy). The research article will be published by Taylor & Francis, highlighting its international academic quality and relevance.

The department strengthened its research facilities with the procurement of a **Fundus Camera**, coordinated by **Prof. Jayasheela D. K.**, supporting advanced work in medical image processing and ophthalmic diagnostics.



Every failure is just another training epoch before convergence



Faculty Footprints

Faculty members **Dr. Bharati Reshmi, Dr. Vishwanath C. Kagawade, Prof. Brahmanand Reddy, Prof. Ashok Patil** completed a **2-week National Capacity Building Programme** on Research & Publications at IIT Dharwad (8-19 Dec 2025).

Faculty members **Prof. Jayasheela D. K, Prof. Lakshmi P. Kolur, Prof. Anita G. Kori, Prof. Laxmi Muttappanavar, and Prof. Ashok Patil** attended a **5-days FDP** on AI & ML (16-20 Dec 2025).



Prof. Brahmanand Reddy attended a three-day workshop on **"Machine Learning"** conducted during **TechFest at IIT Bombay**, Mumbai, from 22 November 2025 to 24 November 2025.

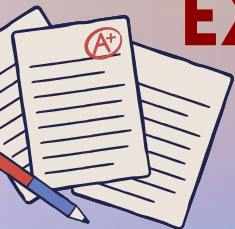
The department made necessary arrangements for **YouTube Live Streaming** of the VTU Universal Human Values (UHV) Cell Lecture Series on **"Universal Human Values"**, scheduled on 19th December 2025 from 10:30 AM to 12:00 Noon, for first-year students. The event was smoothly coordinated by **Prof. Laxmi Muttappanavar**, ensuring effective online participation and accessibility.



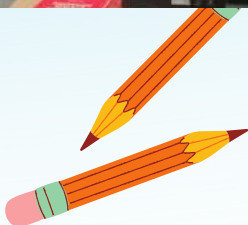
Prof. Laxmi Muttappanavar published a Kannada poem in the prestigious **Udayavani newspaper** on 7th December 2025, showcasing literary excellence alongside academic contributions.



EXAM VIBES



Faculty members of the department actively carried out laboratory examinations, valuation of answer scripts, marks entry, and conduct of **Semester End Examinations (SEE)** as per VTU guidelines, ensuring smooth, transparent, and timely completion of all academic assessment processes.



From Campus to IIT



Students from the department represented the college at **Tech Fest 2025**, Asia's largest technical festival, held at **IIT Bombay from 21st to 25th December**. The student delegation was accompanied by Prof. Brahmanand Reddy.

The participating students—Gouri S. Kurtakoti, Poorvi Patil, Madhu V. Hosamani, Keertana Kattimani, Saniya M. K., Navya Vajjaramatti, and Megha K.—actively participated in various technical events and exhibitions and attended a Machine Learning workshop, thereby gaining valuable exposure to emerging technologies and recent advancements in the field.



Students selected for an internship at **IIT Dharwad**, marking a significant academic and professional achievement.



Vinayak Badiger



Digvijayram



Apeksha K



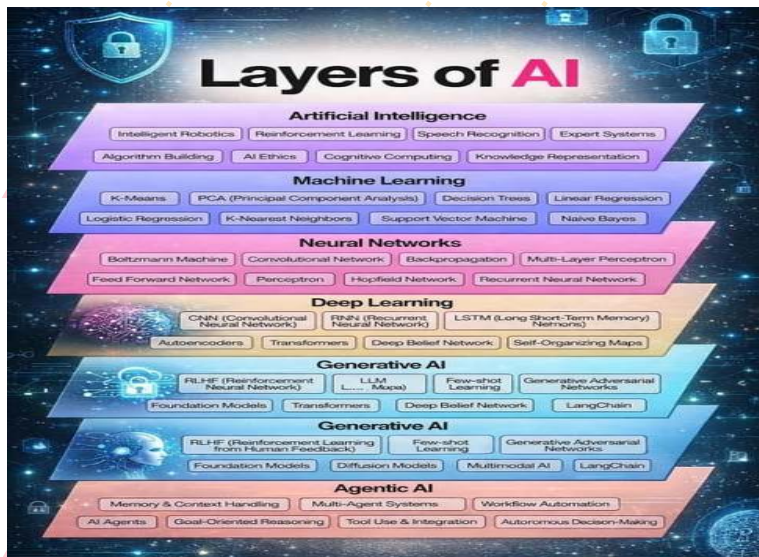
Sudha Patil



Prerana Umadi



AI Career Compass



Data Analyst	Data Scientist	Business Analyst	ML Engineer	GenAI Engineer
Data Analyst Analyze existing data to generate insights and support data-driven decision-making.	Data Scientist Develop and implement statistical models and machine learning algorithms to derive insights and make data-driven predictions.	Business Analyst Analyze and document business processes to identify opportunities, requirements, and recommend areas for improvement.	ML Engineer Design, develop, and deploy machine learning systems to ensure scalability, performance, and reliability in production.	GenAI Engineer Develop and deploy generative AI models and applications for content generation, automation, and personalized experiences.
Skills: - SQL - Excel - Statistics - Data Visualization - Python	Skills: - Python / R - Machine Learning - Statistics and Probability - Data Wrangling - Feature Eng.	Skills: - Business Process Modeling - Communication & Requirements - Data Analysis - Problem-Solving	Skills: - Machine Learning - Data Engineering (ETL, Pipelines) - Python / Java - Big Data Tools - Software like Spark	Skills: - Python - Transformers - Pylorch - TensorFlow - LangChain - LLMs
Tools: - SQL - Excel - Tableau - Jira	Tools: - Excel - Tableau	Tools: - Basic SQL & Excel - Microsoft Office Suite	Tools: - TensorFlow - Big Data Tools - Hadoop	Tools: - HuggingFace - LangGPTs - LLaMs

PLAY PULSE

A **Cricket Tournament** (3 Boys + 3 Girls format) was held on 5th December 2025.

- Organizers: Naveen (5th Sem) & Rakesh Itnal (7th Sem)



Winners:

Chinmayee P. S, Vivek S. Hosur, Ibrahim Ibrahim, Sahana Sankanurmam, Krutika Kanchani, Rugved Sangulkar (7th Sem)



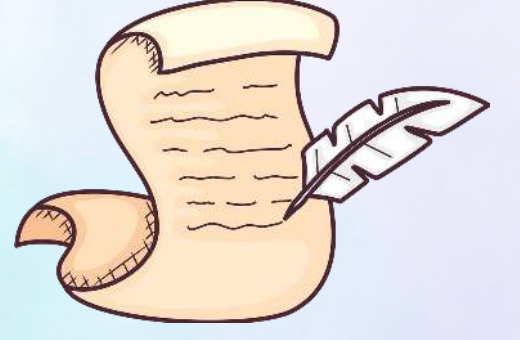
Runners-up:

Suhas Sugali, Chinmayee Patil, Vinayak D. B., Nikita Patil (7th Sem), Shiv Pavadshetti & Aishwarya (5th Sem)



Ink and Intellect

Learn like a Transformer, adapt each day,
Grow through challenges that come your way.
Think like BERT, seek meaning true,
Understand the context in all you do.
Remember like LSTM, keep lessons near,
Let go of doubt, replace it with cheer.
Create like GPT, dream bold and free,
Turn ideas into reality.
See patterns clear like a CNN,
Find insight where noise has been.
Train with effort, improve each try,
✨ Wishing you a New Year that helps you fly! ✨



- Dr. Bharati Reshmi

ನಮ್ಮ ಶಾಲೆಯೊಳಗೆ ಏನಿತ್ತು? ... ಏನಿದ್ದಿಲ್ಲಾ?

ನಮ್ಮ ಶಾಲೆಯೊಳಗೆ ಆಡಂಬರಕ್ಕೆ ಜಾಗನೇ ಇದ್ದಿಲ್ಲಾ.

"ಅದನ್ನ ಕಲಿಸ್ತೀವಿ, ಇದನ್ನ ಹೇಳಿಕೊಡ್ತೀವಿ , ಇಲ್ಲಿ ಕಲಿತವರು ಇಷ್ಟು ಪರ್ಸಂಟೇಜ್ ಮಾಡ್ತಾರೆ, ಬಂದು ಅಡ್ಮಿಶನ್ ಮಾಡ್ತಾರೆ " ಅನ್ನೋ ಬೋರ್ಡುಗಳು ಇದ್ದಿಲ್ಲಾ!!

" ಪರೀಕ್ಷೆಗಾಗಿ ಓದು" ಅನ್ನೋದನ್ನ ಹೇಳಿ ಕೊಡಲೇ ಇಲ್ಲಾ, ಯಾಕೆ ೯೯ ಮಾರ್ಕ್ಸ್ ತೊಗೊಂಡಿಲ್ಲ ಅಂತಾ ಕೇಳಿದ್ದು ಇಲ್ಲವೇ ಇಲ್ಲ!!

ಕರಿಕ್ಯುಲರ್ (ಕನ್ನಡ, ಇಂಗ್ಲಿಷ್, ಹಿಂದಿ, ಸೈನ್ಸ್, ಹಿಸ್ಟರಿ ಮತ್ತು ಗಣಿತ) ಕೋ ಕರಿಕ್ಯುಲರ್ (ಇಂಗ್ಲಿಷ್ , ಕನ್ನಡ ಮತ್ತು ಹಿಂದಿ ಗ್ರಾಮ್ಸ್ , ರೈಟಿಂಗ್ ಸ್ಕಿಲ್ಸ್...) ಮತ್ತು ಎಕ್ಸ್ಟ್ರಾ ಕರಿಕ್ಯುಲರ್ (ಸಂಗೀತ, ನೃತ್ಯ, ಭಾಷಣ ಮಾಡೋದು, ಕವನ, ಕಥೆಗಳನ್ನ ಬರೆಯೋದು, ಚಿತ್ರ ಬಿಡಿಸೋದು, ಬೇರೆ ಬೇರೆ ಆತ್ಮ ಕಥೆಗಳನ್ನ ಓದುದು , ಮಹಾ ಗ್ರಂಥಗಳಾದ ಮಹಾಭಾರತ, ರಾಮಾಯಣ ಓದುದು, ಹಾಡಿಸೋದು, ಬೇರೆ ಬೇರೆ ಆಟಗಳಾದ ಕೋ ಕೋ, ರಿಂಗ್, ತ್ರೋಬಾಲ್ , ಬ್ಯಾಡ್ಮಿಂಟನ್ , ಕಬಡ್ಡಿ, ಚೆಸ್, ಟೇಟೇ...ಆಡಿಸೋದು , ಸ್ಕಾಟ್ಸ್) ಸಮನಾಗಿ ಕಲಿಸೋದನ್ನ ಎಂದೆಂದಿಗೂ ಬಿಡಲಿಲ್ಲಾ.

ಕ್ಲಾಸ್ಸಲ್ಲಿ ಪ್ರಶ್ನೆಗಳ ಸುರಿಮಳೆನೇ ಸುರಿಮಳೆ ,ಎರಡೂ ಕಡೆ ಇಂದ, ಒನ್ನೇ ಟೀಚಿಂಗ್ಗೆ ಆಸ್ಪದಾನೇ ಇದ್ದಿಲ್ಲಾ. ಈಗಿನ ಹುಡುಗುರಂಗ ಕ್ಲಾಸ್ಸಿನ್ಯಾಗ ಹೊಹಾರಿಕೊಂಡು ಕುಂತದ್ದು ದಿನಾನೇ ಇಲ್ಲ!!

ಎಲ್ಲ ಸರ್/ ಮೇಡಂ ಅಧ್ಯಯನಶೀಲತೆಯ ಕಿಡಿಯನ್ನ ಎಲ್ಲರಲ್ಲಿ ಹೊತ್ತಿಸೋದನ್ನ ಮರೆಯಲಿಲ್ಲ. ಜೊತೆಗೆ ನಾವೆಲ್ಲಾ ಅವರ ಜೀವಾಳ ಎಂಬ ನಂಬಿಕೆಯನ್ನ ಕಡೆತನಕಾನೂ ಬಿಡಲಿಲ್ಲ.

ಯಾರು ನಾನಿವತ್ತ ಶಾಲೆಗೆ ಹೋಗೋದಿಲ್ಲ ಅಂದಿದ್ದು ನೆನಪಿಲ್ಲಾ!!

ಶಾಲೆಯ ಪಾರ್ಲಿಮೆಂಟಿಗೆ ಸರಿಸಾಟಿನೇ ಇದ್ದಿಲ್ಲಾ...!!

ಯಾರು ,ಎಂದೂ ಹೊಂವರ್ಕ್ ಹೊರೆಯಾಗಿಸಲಿಲ್ಲಾ!!

ಪಾಂಚಾಳ್ ಸರ್, ಅಳವಂಡಿ ಸರ್, ಗುಂಜಾಳ್ ಸರ್, ಹೊಂಬಾಳಿಮತ್ ಸರ್, ಮಡಿವಾಳ್ ಸರ್, ಗಾಣಿಗೇರ ಸರ್, ಅಮರಗೋಳ್ಕ ರ ಸರ್, ಅಂಗಡಿ ಟೀಚರ್, ಸವಾನೂರ್ ಟೀಚರ್ , ಪಾತಾಲ್ ಟೀಚರ್, ಪಟ್ಟನಾದ್ ಟೀಚರ್, ಹಾದಿಮನಿ ಟೀಚರ್, ಕುಲ್ಕರ್ಣಿ ಟೀಚರ್ , ಮುಂದುಮಾರ್ ಟೀಚರ್ ಮತ್ತು ಅರಮಣಿ ಟೀಚರ್ ನೆನಪ ಹಾರಲಿಕ್ಕೆ ಸಾಧ್ಯನೇ ಇಲ್ಲಾ.

ವಾರ್ಷಿಕ ಸ್ನೇಹ ಸಮ್ಮೇಳನದಲ್ಲಿನ , ಸುನೀತಾ ಹಾಡುತ್ತಿದ್ದ ತಬಲಿ.... ವಾಲೆ.... ತಬಲಿ... ಬಜಾ.... ಹಾಡು, ಜಾನಪದ ಹಾಡುಗಳು, ಹಾಸ್ಯ ನಾಟಕಗಳು, ಪೌರಾಣಿಕ ನಾಟಕಗಳು, ನೃತ್ಯಗಳು, ಮತ್ತು ಏಕಪಾತ್ರಾಭಿನಯಗಳುಇನ್ನು ಏನೆಲ್ಲಾ ಸಚಿತ್ರಗಳು, ಆಗಾಗ ಕಣ್ಣ ಮುಂದೆ ಬಂದು , ಹಾದು ಹೋಗಿ, ಖುಷಿ ಕೊಡೋದನ್ನ ಬಿಟ್ಟಿಲ್ಲಾ!!

ಮನೀ ಆಜು ಬಾಜು ಇದ್ದ, ಊರೊಳಗಿನ, ಹಾಸ್ಟೆಲ್ಲಿನ, ಸುತ್ತಲಿನ ಹಳ್ಳಿಯ ,ಗೆಲತಿಯರನ್ನ ಮರಿಯೋಹಂಗಿಲ್ಲ!!

ಆಗಾಗ ತಾಲೂಕ, ಜಿಲ್ಲಾ, ಮತ್ತು ರಾಜ್ಯ ಮಟ್ಟದ ವಿವಿಧ ಸ್ಪರ್ಧೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿ , ಬಹುಮಾನಗಳನ್ನ ತಂದಿದ್ದನ್ನ ಮೆಲಕು ಹಾಕದೆ ಇಲ್ಲಾ!!

ಮುಂಜಾನೆ ಪ್ರಾರ್ಥನಾ , ಪರೀಕ್ಷೆ ಮುಂದಿದ್ದಾಗ ಮಾಡೋ ಸರಸ್ವತಿ ಪೂಜಾ, ಗಣರಾಜ್ಯೋತ್ಸವ, ಸ್ವತಂತ್ರ ದಿನಾಚರಣೆ, ಶಿಕ್ಷಕರ ದಿನಾಚರಣೆ, ಗಾಂಧಿ ಮತ್ತು ಶಾಸ್ತ್ರೀ ಜಯಂತಿ , ಮಕ್ಕಳ ದಿನಾಚರಣೆ, ಇತ್ಯಾದಿ ಆಚರಣೆಗಳಿಗೆ ಯಾರು ಗೈರು ಹಾಜರಿ ಇದ್ದದು ಇಲ್ಲವೇ ಇಲ್ಲಾ!!

ವರ್ಷ ಹೋಗೋ ಪಿಕನಿಕ್ಕು, ಟೂರಿನ ಮಜಾ ಸವಿದಿದ್ದನ್ನ ಹೇಳಿಕೊಂಡು ನಗೋದನ್ನ ಬಿಟ್ಟಿಲ್ಲಾ !!!!!!!

ಎಲ್ಲರಿಗೂ ಬದುಕನ್ನ ಕಲ್ಪಿಸಿ, ಕಷ್ಟ ಮತ್ತು ಸುಖಗಳನ್ನ ಸಮನಾಗಿ ಸ್ವೀಕರಿಸಿ, ಹೇಗೆ ಬದುಕ ಬೇಕನ್ನೋದನ್ನ ಕಲಿಸಿದ ನಮ್ಮ ಹೊಳೆ ಆಲೂರಿನ ಕಲ್ಮೇಶ್ವರ ಹೆಣ್ಣು ಮಕ್ಕಳ ಶಾಲೆಯನ್ನ ಜೀವನದುದ್ದಕ್ಕೂ ಮರಿಲಿಕ್ಕೆ ಸಾಧ್ಯನೇ ಇಲ್ಲಾ!!!!

ನಲಿದು ಮರೆಯಲಿ ನಮ್ಮ ಚೆಲುವ ಚೆನ್ನಿಗೆ ಶಾಲೆ

ತಂದೆ ಕಲ್ಮೇಶನ ಪರಮ ಪ್ರೀತಿಯ ಶಾಲೆ

ನನ್ನ ಪ್ರೀತಿಯ ಶಾಲೆ....

- ಭಾರತಿ ರೇಶ್ಮಿ

Surreal Emotion Art

A girl bound by the four walls... Lost in the darkness!
Closed her eyes called the light inside her.. Peace arose
in her face the mind was open her thoughts took wings
carved beautifully as like butterfly

By Pramodini Goudar (5th Sem)



Chinmayi Shrinivas Mullur (5th Sem)



Feminism: The Most Misunderstood Concept

Feminism is not about proving that women are better than men, and it does not mean that feminists hate men. Everyone is good in their own way, so there is no concept of gender superiority. Feminism is simply about fairness.

Every woman deserves equal rights to live freely, but many times women end up with very limited rights. Although, they are allowed to live independently but only within the boundaries. Their choices in education, career, and life decisions are restricted. The movement for women's rights speaks against this unfair treatment.

It is about seeking equality, not superiority. Everyone deserves same opportunities when it comes to choosing their life, education, career, and family life. Every gender deserves same respect and dignity.

Despite all beliefs, feminism is not against men. It supports balanced roles in society, shared responsibilities, and mutual respect between men and women. It believes that women should have the same access to education, employment, safety, and decision-making as men.

The idea of gender justice means that men and women should have equal rights, opportunities, and respect in society. It also speaks against violence, discrimination, and unfair treatment faced by women. It does not force women to live according to fixed rules; instead, it supports freedom of choice.

Feminism is not a demand; it is a necessity. Every good human is a "feminist".

- Sneha S Patil

Career Launch Pad

To support students in their placement and career preparation, the department encourages the use of trusted online interview preparation portals that provide structured learning, practice, and assessment.

Popular portals include **Geeks for Geeks, Leet Code, Hacker Rank, Code Chef, Interview Bit, Coursera, NPTEL, Udemy, and LinkedIn Learning**. These platforms offer resources such as coding practice, aptitude tests, mock interviews, technical tutorials, and company-specific interview experiences.

Regular engagement with these portals helps students strengthen problem-solving skills, improve technical confidence, and stay aligned with current industry expectations. As the New Year approaches, students are encouraged to adopt consistent practice habits using these platforms to enhance their readiness for internships, placements, and higher studies.

Winter Vibes



DEPT CANVAS

The departmental newsletter for the month of November was formally released, highlighting academic and co-curricular activities.



MILESTONES AND MOMENTS

Birthday of **Dr. Vishwanath C. Kagawade** celebrated on 13th December 2025, fostering camaraderie among faculty and students.



Happy
New Year
2026

AIML family celebrated New year



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.

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

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