

Suresh Angadi Education Foundation's

ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Savagaon Road, Belagavi – 590 009.

Approved by AICTE, New Delhi &Affiliated to Visvesvaraya Technological University, Belagavi)

Accredited by NBA* & NAAC

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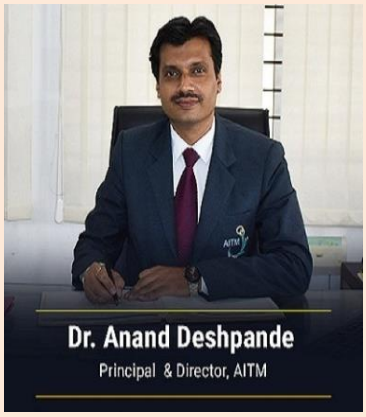
E- Newsletter



Department of Computer Science and Engineering

Third Quarter E – Newsletter -2026

Head of the Institute	Message
	An Institute is assessed on the basis of the Academic ambiance and outcome of the system in terms of performance and achievements of the students and staff in teaching-learning, research, innovation, Placements, and results. AITM has been known for its Academic credentials coupled with holistic growth in all directions. The new generation of competent minds must imbibe knowledge and practically they should comprehend the art of balancing brilliant technical, managerial communication, and interpersonal skills, nest. The Institute has achieved a series of milestones with the help of brilliant students, dedicated staff, and encouraging Management. We promise a wonderful experience of rich Academic and Excellent facilities coupled with professional practices and blended with an affectionate concern for our Students.
Head of the Department	**Message**
 Dr. Dhanashree Kulkarni HOD	Welcome to the Department of Computer Science and Engineering. In this department we create future computer engineers and responsible citizens. Here, a student gets the opportunity to excel in his academic activities. This is one of the very few departments where undergraduate students publish papers in international journals. At the same time, a student wishing to achieve some recognition in extra-curricular or co-curricular activities will also find the atmosphere helpful. The Department of Computer Science provides an environment to students motivating them to adopt a "want to learn" culture through state of art infrastructure. We offer the best teaching methodologies through class room and laboratory exercises and cultivate a mind-set among students to be inquisitive.

Institute Vision and Mission

Vision:

To become a premier institute committed to academic excellence and global competence for the holistic development of students.

Mission:

M1: Develop competent human resources, adopt outcome-based education (OBE) and Implement cognitive assessment of students.

M2: Inculcate the traits of global competencies (such as domain expertise, Accountability, ethics, problem solving ability, communication skills, leadership Qualities and life-long learning) amongst the students.

M3: Nurture and train our students to have domain knowledge, develop the qualities of global professionals and to have social consciousness for holistic development.

Department Vision and Mission

Vision:

To impart quality education in Computer Science and Engineering with emphasis on professional skills to meet the global challenges in IT paradigm.

Mission:

M1: Impart knowledge in current and emerging computing technologies by adopting various pedagogical approaches.

M2: Develop a conducive environment to inculcate and nurture analytical and communication skills along with societal and ethical responsibility in all professional endeavors.

M3: Enable students to be successful globally by being effective problem solvers and life-long learners.

Students Achievement

Congratulations to the 6th Semester Toppers (AY 2025–26) 🎉

The Management, Administrator, Principal, and Staff of Angadi Institute of Technology and Management (AITM), Belagavi extend their heartfelt congratulations to our Computer Science & Engineering students for their outstanding academic performance in the 6th Semester examinations (2025–26).



Faculty Achievement

Angadi Institute of Technology & Management (AITM) is delighted to congratulate Prof. Avanti Patil, Assistant Professor, Department of Computer Science & Engineering, on her successful participation in the prestigious ACM-W India Grad Cohort 2026, held at IIT Madras on **20th & 21st July 2026.**

The two-day national program, organized by ACM India Women, brought together distinguished academicians, researchers, industry experts, and women scholars from premier institutions across India. The event served as an inspiring platform for learning, mentorship, collaboration, professional networking, and leadership development in computing research.

During the event, Prof. Avanti Patil attended a series of insightful sessions delivered by eminent speakers from IIT Madras, TIFR, Microsoft, IBM Research, IIT Gandhinagar, and other leading institutions. The program covered diverse topics, including leadership in engineering, theoretical computer science, artificial intelligence, research communication, and translating research into real-world impact.

A key highlight of the event was the "Elevator Pitch" workshop, where Prof. Avanti confidently presented her research ideas to domain experts, interdisciplinary researchers, and fellow participants, receiving valuable feedback and expanding her professional network.

The event also provided an opportunity to interact with the ACM India Women leadership, including Prof. Geetanjali Kale (Chair, ACM India Women Committee), Prof. Meenakshi D'Souza (President, ACM India Council), and Prof. Rutvi Shah (Past Chair, ACM India Women Committee). Their inspiring leadership and encouragement further strengthened the participants' commitment to excellence in research and innovation.





Faculty Achievement

As part of the NPTEL STAR Event – South Zone, our faculty members had the opportunity to visit the Indian Institute of Science (IISc), Bengaluru, on **04 August 2026**. The event provided an enriching platform to connect with fellow educators, exchange ideas, and gain valuable insights from distinguished academicians and NPTEL representatives. The visit also provided an opportunity to interact with the dedicated NPTEL team and experience the vibrant academic environment of IISc Bengaluru.

We are delighted to congratulate our esteemed faculty member Prof. Smita Katkar, recipient of the NPTEL Discipline Star award.



Faculty Achievement

The Department of Computer Science and Engineering, Angadi Institute of Technology and Management (AITM), successfully organized an insightful session on "Research and Publication" on **4th August 2026**. The session was delivered by Dr. Anandraddi Naduvinamani, Associate Professor, Department of Computer Science and Engineering, AITM.

The session provided valuable insights into quality research practices, scholarly publishing, and the significance of impactful research contributions, inspiring faculty members to strengthen their research endeavors.



MOU with Theta Dynamics

Marking the occasion of Suresh Angadi Education Foundation (SAEF) Foundation Day, the Department of Computer Science and Engineering, Angadi Institute of Technology and Management (AITM), Belagavi, inaugurated the Cybersecurity Centre of Excellence (COE) in association with Theta Dynamics Pvt. Ltd., Belagavi, on 8th August.

The Centre of Excellence has been established with the objective of bridging the gap between academia and industry. This initiative aims to enhance students' technical competencies, industry readiness, research capabilities, and certification opportunities in the rapidly growing field of cybersecurity.

The programme was inaugurated by Dr. Spoorti R. Patil, Director, SAEF, in the presence of Shri Raju Joshi, Administrator, SAEF, Dr. Anand B. Deshpande, Principal & Director, AITM, Mr. Gajendra Deshpande, Founder and Managing director, Theta Dynamics Pvt. Ltd., Belagavi, Dr. Dhanashree Kulkarni, HoD, Department of Computer Science and Engineering & Dean Academics, Prof. Gautam Dematti and Prof. Priyanka Pujari.

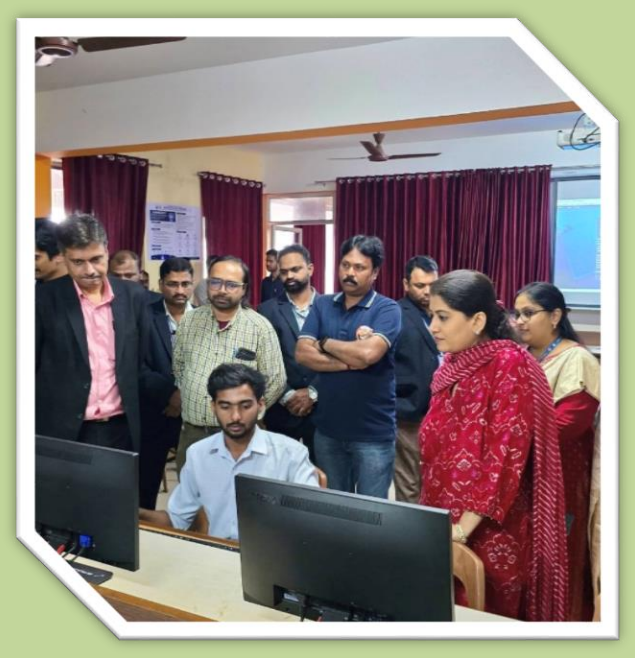
Mr. Gajendra Deshpande highlighted the increasing demand for skilled cybersecurity professionals and emphasized the importance of industry-academia collaboration in preparing students to address evolving cyber threats.

Dr. Spoorti R. Patil appreciated the initiative taken by the Department of Computer Science and Engineering and stated that such industry collaborations play a vital role in empowering students with practical knowledge and preparing them for global career opportunities.

Dr. Anand B. Deshpande, Principal & Director, AITM, emphasized that the centre would strengthen the institute's commitment to innovation, research, skill development, and industry-oriented education.

Angadi Institute of Technology and Management and Theta Dynamics Pvt. Ltd. signed a Memorandum of Understanding (MoU) to





formalize their collaboration in the areas of cybersecurity education, skill development, internships, industry projects, expert lectures, research initiatives, and placement support.



Industry-Academia Connect

The Department of Computer Science & Engineering, Angadi Institute of Technology and Management (AITM), Belagavi, has strengthened its industry connect by signing an MoU with Infynow Software Solutions LLP, Belagavi on **20th August 2026.**

The collaboration aims to enhance student employability, hands-on skill development, industry exposure, training, placement opportunities, and knowledge of emerging technologies including AI, cloud, and modern software solutions.

The MoU was signed in the presence of Mr. Ajeet Pattar, Managing Director & CEO, and Mr. Shaheen Kadakol, COO, Infynow Software Solutions LLP, along with Dr. Dhanashree Kulkarni, HoD, CSE & Dean Academics, AITM, and Mrs. Upama Kulkarni, Assistant Professor, Department of CSE, AITM.



Hands-on Workshop

The Department of Computer Science and Engineering, Angadi Institute of Technology and Management (AITM), Belagavi, successfully organised a hands-on workshop on "AI Tools for Research and Publications" on **29th August 2026**. The workshop provided valuable insights into the effective use of Artificial Intelligence tools for literature review, academic writing, research analysis, and research publications.

We were privileged to have Mr. Rahul J. Pandya, Associate Professor, IIT Dharwad, as the esteemed Resource Person. His insightful session, practical demonstrations, and expert guidance made the workshop highly informative and beneficial for all participants.





Talent Hunt

The Department of Computer Science and Engineering conducted "Talent Hunt" event on 27th September 2026. The event was conducted by a team of 9 faculty members for 3rd Sem CSE students. The event targeted to encourage students to exhibit and explore their talents apart from the academic curriculum. It also tried to give a platform to students to improve their confidence, stage appearance, performance skills and overall personality development.



The Quiet Growth We Often Overlook in College

College is a strange but beautiful phase of life. One moment you're discussing assignments and deadlines, and the next moment you're thinking about careers, ambitions, and the kind of life you want to build. As students, we often feel the pressure to improve everything at once - skills, projects, experience, achievements. The list never really seems to end. Being surrounded by people doing incredible things in their journeys is inspiring. It naturally makes you pause and reflect on your own path.

But something I'm slowly understanding is that every journey has its own timeline. Growth doesn't always happen at the same speed for everyone. Sometimes the most important progress is happening silently, in the habits we build, the curiosity we maintain, and the lessons we learn from small failures. These are the experiences that may not always be visible, but they shape us in meaningful ways. The journey is still unfolding, and I'm learning to appreciate every part of it - even the chapters that don't feel extraordinary yet.

- Rahi Patil
2nd Year,
CSE Department,
AITM

तिच्या अस्तित्वाची जागा..

ती आयुष्यभर स्वतः चं घर शोधत राहते... पण नकळत सगळ्ांंचं घर बनून जाते. ज्या घरात ती जन्मते, वाढते, जजथल्या प्रत्येक कोपऱ्यात जतचं बालपण आजण आठवणी असतात, तेघर एक जिवस मागेसोडावं लागतं. मग ती नव्या घरात जाते- नवी माणसं, नवी नाती आजण एक पूणणपणेनवंआयुष्य स्वीकारण्यासाठी. हळू हळूती त्या अनोळखी जागेलाही आपुलकीनेभरून टाकते. ती कोणाची मुलगी असते, कोणाची बहीण, पत्नी, सून, वजहनी, आई आजण अशाच जकतीतरी नात्यांची ओळख

बनत जाते. आयुष्यभर ती अनेक नात्यांशी जोडली जाते. पण या सगळ्ा नात्यांमध्येकधी तरी एक
प्रश्न मनात येतो - जतची स्वतः ची जागा नेमकी कु ठेआहे?

पण किाजचत जतच्यातली सवाणत सुंिर गोष्ट हीच आहे- जजथेती जाते, जतथेती फक्त राहत नाही, तर त्या जागेला घरपण ि्ेते. जतच्या कष्टाने, प्रेमानेआजण उपस्थितीनेचार जभंती ंना आपुलकी जमळते. जजचं स्वतः चंघर शोधणंआयुष्यभर सुरू असतं, ती नकळत सगळ्ांंसाठी घर बनते. म्हणून वाटतं, मुलीला इतकं सक्षम आजण खंबीर बनवावं, की ती स्वतः ची ओळख जनमाणण करू शके ल, स्वतः चेजनणणय घेऊ शके ल आजण स्वतः च्या पायावर उभी राहून स्वतः चं जग उभं करू शके ल. कारण आयुष्यभर सगळ्ांंना घर ि्ेणाऱ्या जतलाही एक अशी जागा जमळायला हवी - कोणाच्या नात्यामुळे नाही, तर फक्त जतच्या स्वतः च्या अस्थित्वामुळे.

- राही पाटील
ति्ीय वर्ष,
CSE तवभाग,
AITM

Beyond Passwords: The Evolution of Authentication in the Digital Era

Authentication is one of the fundamental components of cybersecurity, providing the first layer of protection for digital accounts and services. For decades, passwords have been the most widely used authentication mechanism; however, weak passwords, password reuse, phishing, brute-force attacks, credential stuffing, and large-scale data breaches have exposed their limitations. A strong password—preferably long, unique, and difficult to guess—remains important, but relying on passwords alone is increasingly inadequate in a threat landscape where stolen credentials can be rapidly exploited.

Modern authentication therefore focuses on adding stronger and more resilient security mechanisms. Multi-factor authentication (MFA) combines independent factors such as something the user knows, possesses, or is, significantly reducing the impact of a

compromised password. More recently, passkeys have introduced a passwordless approach based on public-key cryptography, where a private key remains securely on the user's device while authentication is performed through a cryptographic challenge. This article explores the evolution from traditional passwords to MFA and passkeys, explaining the underlying security principles, common attack methods, and advantages of layered authentication. Understanding this progression highlights why secure authentication is no longer simply about creating a strong password, but about adopting multiple, phishing-resistant mechanisms to protect digital identities.

By:
Jangam Mohansai krishna
2AG24CS055
V Sem CSE

ART WORK BY STUDENTS

Traditional Art: Intricate line work and patterns

By:
Neha Basavaraj Hibballi
3rd Sem CSE



Peacock: Mandala-Inspired Artwork

By:
Neha Basavaraj Hibballi
3rd Sem CSE



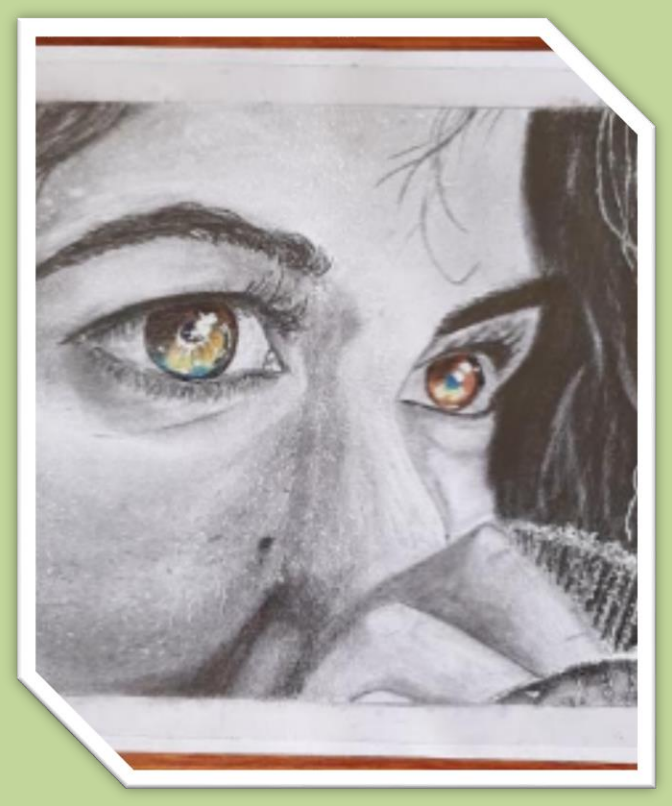
Lord Shiva: Sacred Art in Detailed Work

By:
Neha Basavaraj Hibballi
3rd Sem CSE



Pencil Sketch:

By:
Jangam Mohansai Krishna
2AG24CS055
V Sem CSE



Newsletter Editors

Dr. Dhanashree Kulkarni, HoD Department of Computer Science & Engineering.

Prof. Gautam Dematti, Assistant Professor, Department of Computer Science & Engineering.

Prof. Upama Kulkarni, Assistant Professor, Department of Computer Science & Engineering.

Ms. Shambhavi B. Ms. Shrusti B, Ms. Janavi S, Mr. Rudragouda P.
Student Coordinator, Department of Computer Science & Engineering.

AITM