

A photograph of students playing basketball on an outdoor court. In the background is a large, multi-story college building with a red-tiled roof and white-framed windows. Several students in green and yellow uniforms are in motion, with one student jumping to shoot the ball. A man in a light blue shirt stands nearby, watching the game.

DISCOVER REFLECT CONNECT.

BASELIOS MATHEWS II COLLEGE OF ENGINEERING

JANUARY-MARCH 2024

Welcome to BASELIOS MATHEWS II
COLLEGE OF ENGINEERING'S
NEWSLETTER

Let`s Celebrate
honoring the milestones that
makes us who we are:

- Academic achievements
- Student-led activities
- Cultural events

-Editorial team

ECHO.

Welcome to the Editorial !

Editorial: Embracing the AI Revolution in 2024

AI is rapidly transforming industries and everyday life. As we move through 2024, it's vital for students and professionals to build technical skills while understanding AI's ethical impact. At the CS Department, we aim to guide learners in using AI responsibly for a better, inclusive future. Let's stay curious, keep learning, and shape tomorrow together.

~ Editorial Team, CS Department

Editorial Board Members



Prof. Jayakrishnan R
Staff Coordinator



Prof. Dennise Mathew
Chief Editor



Shine Varghese Saju
Student Coordinator

Director's desk



Rev. Fr. Thomas Vargheese

It is truly a moment of pride and honor for BMCE to present the academic achievements in this newsletter for the year 2024–2025.

Showcasing the accomplishments of our students and staff will bring them well-deserved recognition and inspire continued excellence. I extend my best wishes for the success of this initiative.

Principal's message

Prof. Dr. L. Padma Suresh

I am extremely delighted to note the release of the BMCE newsletter. I congratulate the editorial team of students and faculty for their efforts in bringing out this edition.

It is a pleasure to see the achievements of our students showcased through this platform. This will surely serve as a source of inspiration and motivation for both students and staff to strive for even greater accomplishments in the years ahead.



From HOD's desk

Prof. Dennise Mathew

It brings me immense satisfaction to guide the students of the Computer Science Department. Our goal is to provide quality education, where what you learn, how you learn, and where you learn play a vital role in shaping your intellect.

With strong infrastructure, dedicated faculty, and an active Training and Placement Cell, we ensure students are well-prepared for the future. We are confident our engineers will become valuable assets to their institutions, organizations, and the nation.



Vision of the Department

To be recognized and respected as a premier institution producing computer professionals.

To create an energetic environment where ethics and morals are maintained & pay attention to edify the students to build value.

To enhance the placement of our students by fostering a better fit between their career goals, imbibing start-up ideas for entrepreneurship, and securing meaningful employment opportunities.

Mission of the Department

To establish and manage a professional institution, which promotes academic excellence in students for meeting the ever-growing Information Technology demands.

To give a right understanding and to imbibe into the minds of the students a deep sense of morality and ethical standards so as to develop potential personalities.

To provide best infrastructural facilities, principle-centered education and competent faculty in the Institution.

To bestow special attention in molding the character of the students, enabling them to become responsible citizens.



The Department of Computer Science and Engineering at Baselios Mathews II College of Engineering, established in 2002, offers a B-Tech program with an intake of 120 students, plus six lateral entry seats.

The Department has experienced faculty with postgraduate and doctoral qualifications, actively involved in research and continuous professional development. With world-class infrastructure and modern facilities, it aims to provide quality education that builds a strong foundation for success in the global tech industry.



DEPARTMENTAL ACTIVITIES

Smart India Hackathon 2024: A Landmark Innovation Event

Our college actively participated in the prestigious Smart India Hackathon (SIH) 2024, India's largest open innovation challenge. This year, over 86,000 teams from 3,897 institutions took part, addressing 254 problem statements across 17 diverse themes such as healthcare, agriculture, and smart technologies. The event culminated in a 36-hour Software Edition finale at the Indian Institute of Technology Gandhinagar. Noteworthy achievements included the adoption of eight solutions by the Ministry of Ayush and four by ISRO. The SIH 2024 served as a significant platform for fostering real-world problem-solving through innovation and collaboration.



College Food Fest 2024: A Culinary Celebration

The much-awaited Food Fest 2024 at our college was a grand success, bringing together students, faculty, and food enthusiasts for a day filled with flavor, fun, and excitement. The event featured a wide array of mouth-watering delicacies, showcasing the culinary talents of our students and local vendors. From traditional Malayalee dishes to global cuisines, the festival had something for everyone.

The fest was not only a treat for the taste buds but also a great platform for students to showcase their creativity and organizational skills. The atmosphere was vibrant, with music, games, and food stalls adding to the festive spirit. It was a day of delicious food, joyful laughter, and unforgettable memories, making it one of the highlights of the academic year.

Special thanks to the organizing team, participants, and all those who made the event possible. Here's to many more such delightful celebrations in the future!



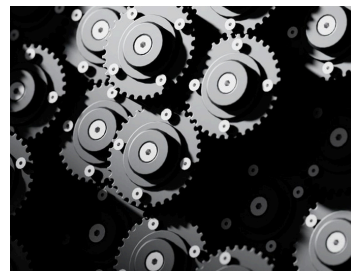
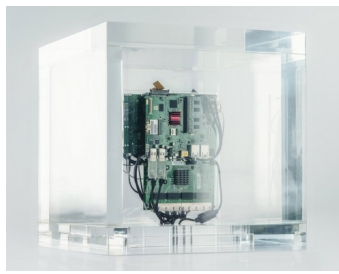
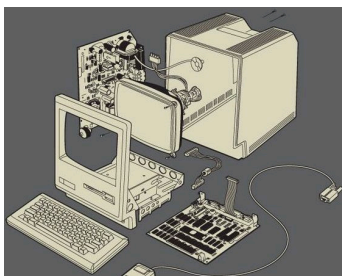
Student Achievement : Anandha Padmanabhan Selected for APJKTU Sepak Takraw Men's Team

We are thrilled to announce that Anandha Padmanabhan, a student from the Department of Computer Science and Engineering at Baselios Mathews II College of Engineering, has been selected as a member of the APJKTU Sepak Takraw Men's Team.



He will represent the university in the upcoming All India Inter-University (AIU) Sepak Takraw Championship 2023-24, to be held in Kurnool, Andhra Pradesh.

This remarkable achievement highlights Anandha's dedication, talent, and commitment to excelling both academically and in sports. We extend our heartfelt congratulations and best wishes to him for the championship. His success is a proud testament to the well-rounded development of our students, who continue to shine in both academics and extracurricular activities.



Tech Snippets!

Edge Computing: Bringing Intelligence Closer to Data

As the number of smart devices grows rapidly, the need for faster and more efficient data processing is more important than ever. Edge Computing is an emerging technology that addresses this need by processing data near the source—on local devices like sensors, gateways, or edge servers—instead of sending everything to a centralized cloud.

This approach significantly reduces latency, improves real-time responsiveness, and saves bandwidth. It's especially useful in areas like smart cities, where traffic and surveillance data must be processed instantly, or in healthcare, where wearable devices need to monitor patient health in real time.

Edge computing also enhances data privacy, since sensitive information can be analyzed locally without needing to travel over the internet. As technologies like 5G and AI continue to advance, edge computing is expected to play a major role alongside cloud systems, powering faster, smarter, and more secure digital solutions.

~Mrs.Kavitha V K, Ph.D

AI in Education: Transforming the Learning Experience

Artificial Intelligence (AI) is reshaping the education landscape by offering personalized, efficient, and accessible learning solutions. From intelligent tutoring systems to automated grading, AI is enhancing both teaching and learning experiences.

Personalized learning is one of the most impactful applications of AI in education. AI-powered platforms can adapt to a student's pace, strengths, and weaknesses, offering customized content and feedback that traditional methods cannot match.

Instructors also benefit from AI through automation of administrative tasks such as grading quizzes or managing student queries, giving them more time to focus on teaching. Additionally, AI tools support predictive analytics, helping educators identify students who may need extra support well in advance.

AI is also bridging accessibility gaps. Speech-to-text, language translation, and assistive technologies are helping students with different needs engage more fully in their education.

As AI continues to evolve, its role in education will grow—creating more inclusive, interactive, and intelligent learning environments.

~Swapna Mercy John