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BASELIOS MATHEWS II COLLEGE OF ENGINEERING

JANUARY-APRIL 2023

A glimpse into the vibrant life at BASELIOS MATHEWS II COLLEGE OF ENGINEERING — featuring events, milestones, and student achievements.

Editorial Board

Prof. Dennise Mathew – Chief Editor
Prof.Jayakrishnan R – Staff Coordinator
Shine Varghese Saju – Student Coordinator

ECHO.

Director's desk

Rev. Fr. Thomas Vargheese
This academic newsletter is more than a record of achievements — it is a tribute to the passion, hard work, and resilience of our BMCE family. I take pride in the progress we have made during the year 2024–2025 and encourage our students and staff to keep reaching greater heights.

Principal's message

Prof. Dr. L. Padma Suresh
The release of this newsletter marks a proud moment for BMCE. It beautifully captures the dedication and accomplishments of our students and staff. I extend my sincere congratulations to the editorial team for their exceptional work in bringing these stories to light.

From HOD's desk

Prof. Dennise Mathew

I take immense satisfaction in helping students grow into capable and ethical professionals. Learning is not only about acquiring knowledge, but also about shaping character and perspective. We encourage students to explore, question, and collaborate. With our mentorship and their passion, I believe they will rise to meet the world's challenges with confidence, creativity, and resilience, making a positive difference in everything they pursue.

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.

Seminar on Intellectual Property Rights – 2nd March 2023

The Department of Computer Science and Engineering at Baselios Mathews II College of Engineering (BMCE) hosted an enlightening seminar on Intellectual Property Rights (IPR) on the 2nd of March, 2023. This academic initiative aimed to educate students and faculty members on the importance of protecting intellectual creations in the ever-evolving landscape of science, technology, and innovation.

The seminar began with a warm welcome address by, highlighting the role of intellectual property in fostering a culture of research and entrepreneurship. The keynote speaker, delivered an engaging session that covered the fundamentals of IPR, including patents, copyrights, trademarks, geographical indications, and industrial designs. The speaker emphasized how these legal tools empower creators and inventors to safeguard their innovations and gain recognition in competitive markets.

The session was designed to be highly interactive, with students participating in discussions on real-life scenarios where IPR played a pivotal role in shaping business strategies and academic research. Practical insights were shared regarding patent filing processes, intellectual property management in academia, and the significance of IPR in startup ecosystems.

In addition to the technical aspects, the seminar also addressed ethical considerations and common misconceptions surrounding intellectual property. This helped attendees understand the fine line between inspiration and infringement, and the need to maintain integrity in academic and professional work.

The event was coordinated by , whose efforts ensured a smooth and impactful session. Faculty members from various departments, as well as students from multiple disciplines, actively participated, making it a multidisciplinary learning experience.

The college acknowledges the vital role of such programs in preparing students to navigate the complexities of legal frameworks in their future careers. Through this seminar, BMCE reaffirmed its commitment to academic excellence, legal literacy, and innovation-driven learning.

We extend our heartfelt thanks to the organizers, speakers, and participants for making the seminar a resounding success.

The Power of Student Clubs: Shaping Leaders Beyond the Classroom

— Students' Corner, BMCE Newsletter

College is more than just lectures, labs, and assignments—it's a place where we begin shaping who we are. One of the most transformative aspects of campus life at Baselios Mathews II College of Engineering (BMCE) is the vibrant ecosystem of student clubs and organizations that give students the chance to learn, lead, and connect beyond academics. Whether you're into coding, dance, literature, photography, robotics, environmental activism, or entrepreneurship—there's a club for you. These student-led spaces are more than just hobby groups; they are incubators of confidence, creativity, and collaboration. They allow students to explore new interests, apply their skills in real-life scenarios, and even discover hidden talents they never knew they had.

Take, for example, the recent activities by our [Insert Club Name, e.g., Tech Club or Cultural Committee]. From hosting coding marathons to planning inter-college cultural fests, the level of ownership and teamwork displayed by club members was nothing short of inspiring. Students took on roles as event planners, marketers, content creators, and technical leads—skills that no textbook can truly teach.

But it's not just about skill-building. Being part of a club builds community. It introduces you to peers with shared passions and mentors who help you grow. It teaches time management, leadership, and how to handle failure and bounce back stronger. These experiences often become the highlights of our college journey—the ones we look back on with pride.

Clubs also act as bridges between classroom learning and industry expectations. Many technical clubs at BMCE are now aligning their events with real-world innovations—hosting hackathons, workshops, and seminars that simulate actual work environments. Meanwhile, cultural and social clubs are driving positive change on campus, promoting inclusion, awareness, and student well-being.

If you're not part of a club yet, this is your sign to get involved. You don't need to be an expert—just curious and willing to try. Clubs are open spaces for experimentation and growth. And if your interest doesn't match any existing club? Start one! BMCE supports and encourages new student-led initiatives that enrich campus life.

As students, these four years are our playground for self-discovery. The classroom gives us knowledge, but clubs give us voice, vision, and purpose. So step up, step out, and be part of something bigger—you never know where it might lead.

— Abhimanyu S
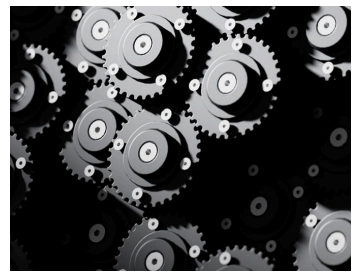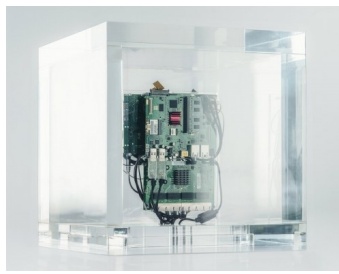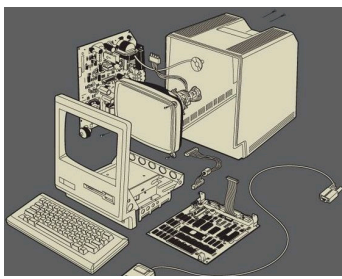
Tech Snippets !

Quantum Computing: Unlocking the Next Frontier of Technology

Quantum Computing is set to redefine the future of computation by leveraging the principles of quantum mechanics to solve problems that are beyond the reach of classical computers. Unlike traditional systems that process data in binary bits (0s and 1s), quantum computers use qubits, which can represent multiple states simultaneously—unlocking extraordinary processing power.This revolutionary technology has the potential to transform fields such as cryptography, drug discovery, climate modeling, and financial analysis. For instance, tasks that would take classical supercomputers years to complete could be solved in seconds using a quantum system.Despite being in its early stages, research and investment in quantum computing are accelerating. Companies and academic institutions around the world are racing to develop scalable and stable quantum hardware. With continued advancements, quantum computing is poised to become a cornerstone of innovation, pushing the boundaries of what's computationally possible.

~Mrs. Deept S , Asst Prof.

Cybersecurity in the Digital Age: Safeguarding Our Connected World

In an era where everything from banking to education relies on digital connectivity, cybersecurity has become more critical than ever. With increasing incidents of data breaches, ransomware attacks, and identity theft, protecting digital infrastructure is not just a technical need but a societal priority.
Cybersecurity involves a wide range of practices and technologies designed to protect systems, networks, and data from cyber threats. From strong password policies and firewalls to AI-driven threat detection systems, the field is constantly evolving to stay ahead of attackers.Educational institutions, especially engineering colleges, play a vital role in shaping the next generation of cybersecurity professionals. Through workshops, seminars, and hands-on training, students gain the skills needed to build secure applications, respond to incidents, and design robust security architectures.
As digital transformation accelerates, cybersecurity will remain at the forefront—ensuring that innovation continues safely and securely.

~Dr. Zina Ravindran, Asst Prof.