DISCOVER REFLECT CONNECT.

BASELIOS MATHEWS II COLLEGE OF ENGINEERING

SEPT-DEC 2024

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
BMCE has always strived to nurture talent and foster innovation. This newsletter for the academic year 2024–2025 stands as a celebration of that spirit. I applaud the efforts of everyone who contributed to these accomplishments and hope this initiative continues to inspire future milestones.

Principal's message

Prof. Dr. L. Padma Suresh
It is heartening to see the launch of the latest edition of the BMCE newsletter. The editorial team's efforts in capturing the essence of our institution's achievements are truly commendable. May this publication continue to highlight excellence and encourage our community to reach new milestones.

Faculty's message

Mrs. Kavitha VK ,Ph.d

Being an educator is truly fulfilling. Each day brings the opportunity to guide talented students toward meaningful goals. We emphasize hands-on learning, real-world relevance, and continuous improvement. Our students receive the right tools, support, and mindset to thrive. I have full faith that they will evolve into skilled professionals and thoughtful contributors, capable of making lasting impacts wherever their journey takes them.

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.

Launch Pad 2024: A day of innovation and entrepreneurship at BMCE

The Innovation and Entrepreneurship Development Centre (IEDC) of Baselius Mathews II College of Engineering, Sasthamcotta, successfully hosted Launch Pad on September 28, 2024, a dynamic program designed to inspire and equip aspiring entrepreneurs. The event featured insightful sessions aimed at fostering innovation and business acumen. It began with Unveiling Entrepreneurial Skills by Mr. Sanju P Cherian, a certified trainer and mentalist, from 9:00 AM to 11:00 AM, where students gained valuable insights into developing an entrepreneurial mindset. This was followed by Meet the Entrepreneur from 11:30 AM to 1:00 PM, where Dr. Ahnas M, Managing Director of Diya Group of Companies, shared his journey and experiences in the business world. In the afternoon, from 2:00 PM to 3:30 PM,First-Time Entrepreneurs - Launching Hacks was led by Deepa Mathai and Pushpy Muricken, Founder Director and Mentor of Aiscape, who provided practical strategies for launching a startup. With a full day of learning and networking, Launch Pad proved to be an exciting opportunity for students to transform their ideas into reality and take their first steps toward entrepreneurship.

DEEP LEARNING TECHNIQUES AND TOOLS FOR MEDICAL APPLICATIONS

FOR FACULTY MEMBERS | RESEARCH SCHOLARS | PG/UG STUDENTS

3rd & 4th October 2024

Resource Persons

Dr. Deepak Mishra
Associate Professor
IIST
Trivandrum

Dr.Aneesh G Nath
Associate Professor
Dept. of CSE,
TKM CE

Dr. Vishnukumar S
Associate Professor
Dept. of CA,
CUSAT

Dr Shailesh Sivan
Assistant Professor
Dept. of CS,
CUSAT

National Seminar on Advancing Agriculture Through Water Resource Management at BMCE

The Department of Civil Engineering at Baselius Mathews II College of Engineering, Sasthamcotta, successfully hosted a National Seminar on "Advancing Agriculture through Integrated Water Resource Management and Precision Farming Technologies" on September 9th and 10th, 2024. Sponsored by the R&D Programme in Water Sector and the National Water Mission, Department of Water Resources, RD & GR, MoJS, New Delhi, the event featured expert talks by Dr. Raneesh K Y, Dr. Adarsh S, Dr. K L Priya, and Prof. Aeshlyn Jose. With four insightful sessions, the seminar provided students, research scholars, and faculty with valuable knowledge on precision farming and sustainable water management. Participants gained certificates, activity points, seminar kits, and a working lunch, making it a highly enriching experience.

Tech Talk on Blockchain by IEEE SB BMCE

The IEEE Student Branch of Baselius Mathews II College of Engineering successfully organized a Tech Talk on "Introduction to Blockchain" on October 9, 2024, at Einstein Hall. The session, led by Ivin Saji, provided an insightful introduction to blockchain technology, its applications, and its future potential. Students and tech enthusiasts actively engaged in discussions, gaining valuable knowledge about this revolutionary technology. The event was a great success, reinforcing IEEE SB BMCE's commitment to fostering innovation and technical awareness among students.

IEEE SB BMCE ExecCom Training Session

IEEE SB BMCE successfully hosted an ExecCom Training session on October 4, 2024, led by Dr. Vishnu Kumar S, former Chair of IEEE CS Kerala Chapter. The session focused on leadership development, strategic planning, and skill enhancement, equipping student leaders with the tools to excel in their roles. With expert insights and interactive discussions, the training inspired attendees to take initiative and drive innovation within the IEEE community.

Justin P James
Trainer/Motivational Speaker

IEDC
EntrepreNext
Ft. Freshmen 2024

IEDC EntrepreNext – Igniting Freshmen Innovation

IEDC BMCE successfully hosted EntrepreNext 2024, an inspiring orientation session for first-year students on October 25, 2024, at Einstein Hall. The event, led by Justin P. James, a renowned trainer and motivational speaker, provided freshers with valuable insights into the world of entrepreneurship. With engaging discussions and thought-provoking ideas, the session encouraged students to nurture their entrepreneurial mindset, innovate, and push boundaries.

Department of Computer Science & Engineering
Congratulations
JINA ANN SAM
For getting placed in UST Global
BASELIOS MATHEWS II COLLEGE OF ENGINEERING
Lake view, Muthupilakkadu, Sasthamcotta, Kollam

Celebrating Excellence: Jina Ann Sam Secures Placement at UST

Global The Department of Computer Science & Engineering at Baselios Mathews II College of Engineering proudly congratulates Jina Ann Sam on her remarkable achievement of securing a placement at UST Global. Her dedication, hard work, and perseverance have paved the way for this well-deserved success. We celebrate her journey and wish her the best as she embarks on this exciting new chapter in her career.
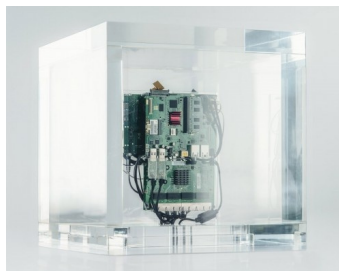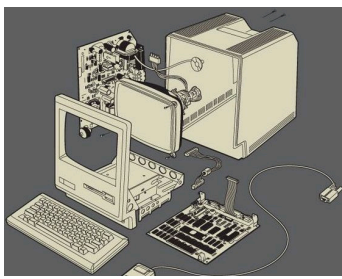
State-Level Interschool Ideathon - Project Expo 2024

IEDC BMCE successfully hosted the State-Level Interschool Ideathon - Project Expo, a vibrant platform that brought together young innovators to tackle real-world challenges with creativity and technical prowess. Participants showcased groundbreaking ideas, demonstrating their problem-solving skills and entrepreneurial spirit. The event served as a launchpad for future visionaries, nurturing talent and fostering a culture of innovation. As these bright minds step forward, we look forward to witnessing their impact in shaping a better tomorrow!

Congratulations
on winning 2nd prize in AITHON 2.0 by IEEE SB CEK

BMCE Team Triumphs at AITHON 2.0, Secures 2nd Prize!

Here's a brief entry for your newsletter: IEEE SB BMCE Secures 2nd Prize in AITHON 2.0 IEEE SB BMCE is proud to announce that our team, comprising Steve Joe, Abhimanyu S, Ganesh R S, and Ivin Saji, secured the 2nd prize in AITHON 2.0, hosted by IEEE SPS & IEEE CS at the College of Engineering, Karunagappally. This achievement reflects our team's dedication, innovation, and excellence. We extend our heartfelt gratitude to IEEE SB CEK for their continuous support and for providing a platform to showcase our skills. This milestone fuels our passion for technology, inspiring us to strive for even greater heights! Let me know if you need any modifications!

Tech Snippets!

Artificial Intelligence: Shaping the Smart Future

Artificial Intelligence (AI) is no longer just a futuristic idea—it's already powering the technology we use every day. From voice assistants and recommendation algorithms to self-driving cars and medical diagnostics, AI is transforming how we live and work.

AI systems learn from data to recognize patterns, make decisions, and even improve over time. This makes them incredibly useful in fields like healthcare, education, finance, and transportation, where fast, intelligent decisions are critical.

What makes AI so powerful is its ability to automate tasks, uncover insights, and solve problems that are too complex for traditional programming. With tools like machine learning and natural language processing, AI is becoming smarter and more adaptable.

As the demand for AI skills grows, students in tech, data science, and engineering have a chance to shape the future. AI is not just a trend—it's the driving force behind the next wave of innovation.

~Mrs. Manolekshmi I, Asst Prof.

Cybersecurity: Defending the Digital World

In an age where everything from banking to education happens online, cybersecurity has become more important than ever. With the rise of smart devices and cloud services, the risk of cyberattacks, data breaches, and identity theft is growing rapidly.

Cybersecurity is all about protecting digital systems, networks, and data from unauthorized access or attacks. Whether it's securing personal information or defending national infrastructure, this field plays a vital role in keeping our digital lives safe.

Techniques like encryption, firewalls, and multi-factor authentication help prevent attacks, but as hackers get smarter, so must the defenses. This is why cybersecurity experts are in high demand across every industry.

For students interested in tech and problem-solving, cybersecurity offers exciting and meaningful career opportunities. In the digital age, cybersecurity isn't optional—it's essential.

~ Afna Anto