

A photograph of students playing basketball in front of a college building. The image is darkened to serve as a background for the text.

# DISCOVER REFLECT CONNECT.

## BASELIOS MATHEWS II COLLEGE OF ENGINEERING

MAY-AUGUST 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**

It is with immense joy that we unveil the highlights of the academic year 2024-2025 through this newsletter. Each page is a testament to the dedication and brilliance of our students and faculty. May this publication continue to motivate and serve as a reflection of BMCE's unwavering pursuit of excellence.

# Principal's message

## **Prof. Dr. L. Padma Suresh**

I take great pride in witnessing the release of the BMCE newsletter, a reflection of the vibrant academic and co-curricular life on our campus. My heartfelt appreciation goes to the dedicated editorial team for their commitment. This platform will undoubtedly inspire our students and faculty to continue excelling in all endeavors.



# From HOD's desk



## **Prof. Deepthy S**

It gives me great pride to mentor students who are driven, curious, and ambitious. We focus on building strong foundations, nurturing innovation, and fostering responsibility in every learner. With dedicated faculty, modern infrastructure, and a learning-driven environment, we help students grow into professionals ready to shape the future. I am confident our graduates will stand out through their skills, values, and commitment to excellence.

# 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.





IEEE India  
Philanthropy



IEEE Women in Engineering  
*WIE*

## 2024 Scholarship

Funded by CSR initiatives of Quest Global  
for 325 women across three Indian states  
₹50,000 for each person

# *Congratulations*



Vaishnavi Krishnan  
S8 CSE



Anisha Mol Y  
S4 CSE



Sneha P Abraham  
S4 CSE



Devi Krishna  
S4 CSE



Nakshathra B V  
S2 CSE



Adithya A  
S2 CSE

IEEE STUDENT BRANCH BASELIOS MATHEWSII COLLEGE OF ENGINEERING

# Student Achievement: IEEE Women in Engineering Scholarship Winners

We are proud to announce that Vaishnavi Krishnan, Anisha Mol Y, Sneha P Abraham, Devi Krishna, Nakshatra B V, and Adithya A from Baseliros Mathews II College of Engineering have been awarded the prestigious IEEE Women in Engineering Scholarship, funded by the CSR initiatives of Quest Global. These six students were among 325 women selected across three Indian states and have each won a scholarship of 50,000 INR.

This recognition highlights their outstanding potential and dedication to their academic and professional growth. Congratulations to all the winners on this remarkable achievement!



The logo for EUREKA 2024 IDEATHON is displayed within a white rounded rectangle. The word "EUREKA" is in a large, bold, green font with a blue outline. Below it, "2024" is in a smaller, blue font, and "IDEATHON" is in a blue font with a white outline. The background of the rectangle has a subtle pattern of small white dots.

# **EUREKA**

**2024**

**IDEATHON**

## **EUREKA 2024 – A Hub of Innovation at BMCE**

**IEDC BMCE successfully hosted EUREKA 2024, an Inter-College Ideathon on May 8th, bringing together students to present innovative solutions for societal challenges in healthcare, sustainability, and technology. Teams pitched their ideas, competing for recognition based on feasibility, innovation, and impact. The event provided a platform for networking and entrepreneurial growth. With overwhelming participation and creativity, EUREKA 2024 reinforced the power of technology-driven solutions for a better future.**



White

JORGEHDZY

## Engineering Horizon Session 1: Robotics – A Leap into the Future

Our college hosted Engineering Horizon Session 1: Robotics on June 24, 2024, focusing on the latest advancements in robotics technology. The event featured expert keynote speeches, interactive workshops, and live robot demonstrations, highlighting robotics' role in sectors like healthcare, manufacturing, and transportation. Students engaged in hands-on activities and discussions, gaining valuable insights and skills. The session provided a platform for innovation, collaboration, and networking, marking a significant step toward shaping the future of robotics and engineering.

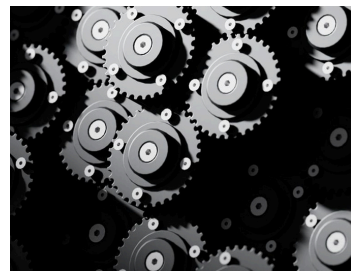
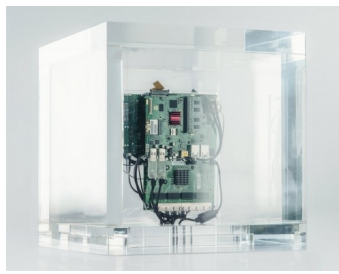
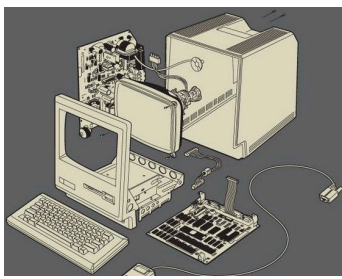




Baselios Mathews II College of Engineering recently hosted the International Conference on Computing, Communication, and Power Technologies (ICCPCT) 2024. The inaugural session was graced by Ms. A.V. Mercy, Deputy Project Director, GSLV, VSSC, as the chief guest, and Prof. Achuthsankar S. Nair, Former Professor, University of Kerala, who delivered the inaugural address. Other distinguished participants included Ir. Dr. Chow Chee Onn, Prof. Jeevani W. Jayasinghe, and Dr. Bhalaji Natarajan.

The event also saw Dr. Shiny G, Principal of Government Engineering College, Bartonhill, and Dr. Shamna H. R, Dean of International Affairs, felicitate the session. The conference featured three keynote sessions by renowned experts from both academia and industry.

ICCPCT 2024 was a great success, fostering valuable knowledge exchange and collaboration in the fields of computing, communication, and power technologies.



# Tech Snippets!

## **Quantum Computing: The Next Tech Frontier**

As traditional computers near their physical limits, Quantum Computing is emerging as a game-changing technology. Unlike regular bits that represent either 0 or 1, qubits can represent multiple states at once—thanks to quantum mechanics. This allows quantum computers to solve problems far beyond the reach of today's systems.

Quantum computing shows promise in fields like cryptography, drug discovery, and climate modeling, where massive data and complex calculations are involved. While the technology is still in its early stages, rapid progress is being made in both hardware and software.

What makes it even more exciting is its potential to transform data security—breaking old encryption systems while enabling ultra-secure communication.

Though widespread use is still years away, students and researchers have a unique opportunity to be part of this revolutionary journey. Quantum computing is no longer sci-fi—it's the next big leap in tech.

~Mrs. Anju Elsa Koshy, Asst Prof.

## **Blockchain: Beyond Cryptocurrency**

When most people hear blockchain, they think of Bitcoin. But blockchain technology is much more than digital money—it's a secure, transparent way of recording information that's transforming industries.

At its core, a blockchain is a decentralized digital ledger that stores data across a network of computers. Once information is added, it can't be changed easily, making it highly secure and trustworthy. This is why industries like finance, supply chain, healthcare, and even voting systems are exploring blockchain solutions.

What sets blockchain apart is its ability to eliminate the need for intermediaries, speeding up transactions while reducing costs and fraud.

As demand for security and transparency grows, blockchain is becoming a key tool in building the digital systems of tomorrow. For students, it offers exciting career paths in tech, cybersecurity, and decentralized app development.

Blockchain isn't just about crypto—it's reshaping how the world shares and secures data.

~Jeswin Jacob Daniel