



## PRINCIPAL'S MESSAGE

Maintaining a clean environment reduces the risk of illness and infection. Health encompasses physical, mental, and social well-being. A healthy lifestyle helps prevent chronic diseases and improves quality of life. Hygiene is the practice of maintaining cleanliness to promote health. Good hygiene practices help prevent the spread of infections and diseases, contributing to overall health and community well-being. Thus, cleanliness, health, and hygiene are closely interconnected and play a crucial role in overall well-being. Commemorating Mahatma Gandhi's birthday on 2 October, a day dedicated to honouring the life and legacy of the Father of our Nation, our students and staff have been actively involved in a number of campaigns and activities as part of the week-long service. Gandhiji dwelt on cleanliness and good habits and pointed out its close relationship to good health. He had espoused the adage: "Cleanliness is next to Godliness". Gandhiji summed up his philosophy of life with the words, "My Life is my Message". Swachata (cleanliness), Satya (truth) and Ahimsa (non-violence) are all powerful Gandhian principles that are very relevant for the modern world and solutions to many issues that are of major concern to us today. Let us practice and preach the virtues that are part of the Gandhian philosophy as a tribute to the Mahatma.

**Dr. S. Viswanatha Rao**

## ICID 2024



The inaugural function of the Second International Conference on Infrastructure Development (ICID 2024), organized by the Department of Civil Engineering, was held on 26 September 2024 at Mar Baselios College of Engineering and Technology (MBCET), Thiruvananthapuram. The event was formally inaugurated by **His Grace Most Rev. Dr. Joshua Mar Ignathios**, Bishop of the Diocese of Mavelikkara in the presence of **Dr. S. Viswanatha Rao**, Principal, **Fr. John Varghese Palanikkunnathil**, Director, **Dr. Jisha S. V.**, Head of the Department of Civil Engineering, and Conference convenors **Dr. Jaya S. Pillai**, **Dr. Amal Raj**, and **Mr. Nitin S.** The conference was co-branded by the Kerala Infrastructure Investment Fund Board (KIIFB). It received technical support from the Department of Civil Engineering, IIT Madras, Indian Institute of Space Science and Technology (IIST), Indian Oil Total Private Limited (ITPL), The Energy and Resources Institute (TERI), Viswasamudra Engineering Private Limited, and Matter Lab. Over the course of the three-day event, participants engaged in a variety of pre-conference workshops, plenary sessions, keynote addresses, technical paper presentations, and panel discussions. These sessions covered critical issues such as infrastructure sustainability, climate resilience, and transformational engineering solutions. The conference attracted academicians, industry experts, innovators, and policy makers from around the globe, encouraging insightful dialogue and collaboration aimed at shaping the future of infrastructure development.

## MBCETIAN 4TH IN MINI MARATHON

**Karishma T. Prasad** of S1 CS1 participated in the Mini Marathon held at Kovalam conducted by Young Indians, Trivandrum on the World Heart Day, 29 September 2024 and finished in the 4th position.



**Vision:** To be an Institution moulding globally competent Professionals as epitomes of Noble Values.

**Mission:** To transform the Youth as technically competent, ethically sound and socially committed professionals, by providing a vibrant learning ambience, for the welfare of humanity.



## NISSAN DIGITAL CERTIFICATE DISTRIBUTION



MBCET collaborated with Nissan Digital India to design courses that bridge the gap between academics and industry. This collaboration enabled the college to offer an industry-designed elective course titled "Applied Data Science with Python". The option was available to the Sixth Semester students of the 2021 B.Tech batch. On 27 September 2024, **Mr. Ramadurai Ram**, Divisional General Manager & MD, Nissan Digital India, handed out certificates to students who completed the course. **Mr. Sebastian Ukken**, General Manager, Governance Office, Nissan Digital India; **Mr. Shyam Unnithan**, General Manager, Enterprise Data Management; **Mr. Rajesh Vaddi**, Data Science Manager, Nissan Digital India, and **Mr. Arun Alex**, Lead Talent Acquisition, Human Resources Department, attended the event.

## LAUNCHING OF SPACE CLUB



The space club at MBCET was inaugurated by **Dr. V. Narayanan**, Director, Liquid Propulsions Systems Centre, LPSC, Valiyamala, Trivandrum on 1 October 2024. **Dr. V. Narayanan** delivered an inspiring inaugural address, sharing his passion for space and encouraging students to explore the wonders of the universe. His words ignited a sense of curiosity and excitement among the audience. Following his speech, the students were treated to captivating video presentations on the marvels of space and the Chandrayaan mission. Officials from LPSC joined the inaugural ceremony. The presidential address was delivered by **Dr. S Viswanatha Rao**, Principal, MBCET. The welcome address and Vote of Thanks were delivered by **Dr. Swapna P. S.**, Faculty in charge of Space Club and **Mr. Rohin Sabu**, Student Coordinator, Space Club.

## ONLINE WORKSHOP ON "JAVA DEVELOPMENT INDUSTRY TOOLS & TECHNIQUES"

An online session on the topic "Java development-Industry tools and techniques" was conducted on 29 September 2024 for third semester students of CSE and CT batches. The session was handled by **Mr. Renjith B.**, Software consultant, Technopark. 160 students of both CSE and CT batches, attended.

Staff coordinators: **Ms. Lino Zachariah**, **Ms. Gauri Shree V. K.**, **Mr. Anand Haridas**.



## WORKSHOP ON "BLOCKCHAIN BASICS USING ARBITRUM" BY BLOCKHUB MBCET

On 28 September 2024, Blockhub Club of MBCET organized a hands-on session on blockchain basics, focusing on the use of Arbitrum. The session was attended by first-year students, reflecting the growing interest in blockchain technology among the younger cohort. The session was led by **Mr. Sethu Raman Omanakuttan**, an expert in blockchain technologies. **Varsha Sujith**, the club lead from S7 CS2, and co-lead **Kiran Biju** from S5 CS1 organized the event.

## RESEARCH WORK PRESENTATION



**Mr. Raveesh G.** (ME Dept. MBCET, currently pursuing Ph.D. at IIT Delhi) presented both oral and a poster presentation of his research work entitled "Sustainable composite from agro residue for solar driven atmospheric water harvesting" at the 4th International Conference on Advanced Materials Synthesis, Characterisation and Applications (AMSCA-2024) held from 25 to 27 September 2024 at Queensland University of Technology (QUT), Brisbane, Australia.



## “RADIANCE” BY CSI SB MBCET



Radiance, a one-day event conducted by CSI SB MBCET in association with the Department of Computer Science and Engineering exclusively for first-year students as part of the introductory session to professional body activities, was held on 28 September 2024. **Ms. Varsha Renjith**, **Mr. Chris Dylan John** and **Mr. Adlu Rahman** provided valuable advice, while the Brain Write & Presentation session allowed teams to brainstorm and present innovative solutions. The event concluded with reflections on CSI's role in their professional development, prize distribution, and group photos, leaving a lasting impression on the first-year students. The event was organised by **Mr. Niranj R.**, **Ms. Vedha Mahadevan**, **Mr. Chris Thomas Abraham** (all from S3 CS2), and **Ms. Anoushka L. Nair** (S7 EC), with valuable volunteer support from **Ms. Nayana Anna Binu** (S3 CS2), **Mr. V. S. Sabarinath** (S3 ME1), **Ms. Sara Robin Baby** (S3CS2), **Mr. Shibir S. R.** (S3 EL), **Ms. Sradhya Renish** (S3 CS2), and **Ms. Vasundhara S. R.** (S3 CS2). Faculty Coordinators: **Ms. Deepthi K. Moorthy** (Asst. Professor, Dept. of CSE), **Dr. Anne Dickson** (Assoc. Professor, Dept. of CSE) & **Ms. Krishna L.** (Asst. Professor, Dept. of CSE).

## DISTRIBUTION OF ONAM KITS BY SPARSHAM



As part of “Sparsham”, the social outreach initiative of the Department of Computer Science and Engineering, a team of students and faculty from the Department visited the Jyothis Center in Kumarapuram, which provides care for cancer patients, as well as differently-abled, underprivileged elderly individuals, struggling with medical conditions and distributed Onam kits on 12 September 2024. Faculty Coordinators: **Ms. Poorna B. R.** & **Ms. Vijitha Robinson** (Asst. Professors, Dept. of CSE).

## BOOK PUBLICATION

**Ms. Prathibha S. Nair** and **Ms. Vijitha Robinson**, Assistant Professors, Department of CSE co-authored a book titled “Algorithmic Thinking with Python” covering problem solving techniques and the basics of Python programming language.



## VISIT TO KRIPALAYAM OLD AGE HOME



As part of the International Day of Older Persons on 1 October, THANAL the social wing of the Department of Civil Engineering organized a visit to Kripalayam Old Age Home. The event was organized by the Thanal coordinators **Dr. Minu Ann Peter** and **Ms. Anupama Krishnan**. 18 individuals, including 14 students and 4 faculty members, visited the facility and engaged with the residents. The home accommodates around 50 residents, providing both independent and assisted living options.

## PAPER PUBLICATION

**Ms. C. Sojy Rajan**, Assistant Professor, EED published a paper titled "Voltage Profile Improvement Techniques of Interconnected Microgrids" in Journal of Electrical Systems indexed by Scopus and Thomson Reuters.

## MBCETIAN SELECTED TO DISTRICT BASKETBALL TEAM



**Diya Vijayan V. D.**



**Krishna Veni B.**



**Aromal R. Chandran**

**Diya Vijayan V. D.** S5 EC2 **Krishna Veni B.** S3 CE2 and **Aromal R. Chandran** S3 EL has been selected to the Senior Women and Men Trivandrum District Basketball Team which is going to participate in the State Basketball Championship, to be held at Ernakulam from 1 to 6 October 2024.



### INDUSTRIAL VISIT

87 students (S5 EL:43 & S5 EE:44) from Dept of EEE went for an Industrial Visit on 28 September 2024 to KEL, Eranakulam,



They also visited Anna Aluminum Pvt Ltd. They were accompanied by Ms. Sojy Rajan, Ms. Manju Sreekumar, Ms. Shilpa Susan Peter and Dr. Sheryl Arulini A., Assistant Professors, EED

### DR APJ ABDUL KALAM 7TH ENERGY QUIZ WINNERS

In the Dr. APJ Abdul Kalam 7th Energy Quiz organized on 6 September 2024 by the KSEB Engineers' Association at Mar Baselios College of Engineering and Technology, **Abhishek A.** from S5 EEE secured first place. The second prize was shared by **Akarsh R.** S5 EEE, **Arif A.** S5 EEE, and **Devadathan J. Nair** S7 EEE. The event was coordinated by Illumina, the Association of the Department of Electrical and Electronics Engineering.

### WINNERS IN DISTRICT ATHLETIC MEET



Winners of 68th Thiruvananthapuram District Athletics Meet 2024 held at University Stadium from 02 to 04 October 2024.

- **Shone C. Achankunju**, S5 EC (U-20 category): 100 mtr: First, Long Jump: Third.
- **Sijo S.**, S3 CT (U-20 category): 400 mtr: Third.
- **Deon Dileep**, S1 CT (U-20 category): Shot put: First, Discus throw: Second.



Shone C. Achankunju



Sijo S.



Deon Dileep

### LIBRARY UPDATES

MBCET Library conducted Seminar “**Know Your Library – MBCET Library Liaison Program-cum-Orientation Session**” on 01 October 2024 at Senatus Hall for all students of 1st year M.Tech.**Mr. Binu K. John**, Librarian was the Resource person.

### NSS MEDICAL CAMP



The NSS unit of MBCET, in collaboration with NIMS Medicity, organized a health camp on campus, providing free checkups for students, faculty, and staff. The camp included services such as blood pressure and sugar checks, eye tests, and heart checkups, including ECGs. In addition to the medical assessments, awareness sessions on heart care and overall health were conducted to encourage preventive measures. The camp concluded with a ceremony featuring speeches from **Dr. S. Viswanatha Rao**, Principal, **Fr. John Varghese**, Director and **Dr. Akash Jose**, highlighting the significance of health awareness and community well-being.

### SWACHHATA HI SEVA: NSS MBCET CLEANS UP SNEEHAVEEDU



Swachhata Hi Seva: Visit and Cleanup at Sneehaveedu. NSS Units 230 and 706 of MBCET, in collaboration with the Waste Management Cell, held a cleaning drive at the Archbishop Mar Gregorios Snehaveedu in Nalanchira, Thiruvananthapuram on 2 October 2024.

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