



## PRINCIPAL'S MESSAGE

Many countries attempt to cause rains through Cloud seeding. It's heard that the Middle East countries which are part of the desert region have been trying to get rain through artificial means.

As we know, Clouds are made up of tiny water droplets and rain happens when condensation happens around a tiny particle of dust or salt floating in the atmosphere. It's an attempt for weather modification by introducing tiny ice nuclei into certain types of subfreezing clouds. These nuclei provide a base for snowflakes to form. (<https://dri.com>)

Cloud seeding can be done from ground-based generators or aircraft. Most cloud seeding operations, including those run by DRI, use a compound called silver iodide (AgI) to aid in the formation of ice crystals. Silver iodide is considered to be not harmful. But, when rains are produced frequently through artificial means, higher concentrations than the naturally existing ones may happen.

In India, Government of Delhi is contemplating on producing artificial rains to fight the air pollution. Whether such manipulations lead to health risks or water pollution is a matter to be studied well. Not all rains are natural. Let us be aware of the possible risks too.

**Dr. Abraham T Mathew**

**If you feel pain, you're alive. If you feel other people's pain, you're a human being.**

**Leo Tolstoy**

## PATENT PUBLISHED

**Dr. Sibi Chakkaravarthy Sethuraman** (VIT-AP) and **Ms. Devipriya V. S.** (Assistant Professor, Dept of CSE, MBCET) published a patent titled



"Vikrant: Open source indigenous Honeypot-A container based approach to provide an additional layer of isolation and security of honeypots".

## ATTENDO APP LAUNCHED



As part of Awareness against drug usage and Laws, conducted by Kerala State Excise Department in association with MBCET on 4 November 2023, a Mobile application "Attendo" developed by students of the Department of Computer Science and Engineering was launched by **Shri. D Balachandran**, Deputy Excise Commissioner Thiruvananthapuram. This application is in use at Govt. HSS Anavoor. Documents related with this app was handed over to the Principal of Anavoor HSS. The App can help to monitor the students and keep them away from the menace of drug abuse. Through this application students can register the complaints if anyone approaches them with malicious intentions. These complaints will be visible to the Kerala Excise Department through email, automatically.

**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.



## STUDENT WELFARE-AWARENESS PROGRAMME

Student Welfare-Awareness Programme "Aduthariyam Lahariyude Niyamam" by Kerala State Excise Department was hosted by MBCET on 4 November 2023. Around 250 students from various Colleges in Thiruvananthapuram District participated in the programme. Inauguration was done by **Shri. D Balachandran**, Deputy Excise Commissioner Thiruvananthapuram. Session was handled by **Shri. Binu P M**, Assistant Professor Kerala Law Academy, followed by Quiz Competition and Debate. **Mr. Ajay K R** Assistant Excise Commissioner and Vimukthi Manager, **Mr. Shiju Kumar S S** Excise Circle Inspector Thiruvananthapuram, **Mr. Vignesh Vishwanath** Vimukthi Mission Coordinator Thiruvananthapuram, **Mr. Ramjith R P** Assistant Professor, MBCET addressed the gathering.

## CAREER ENHANCEMENT SESSION BY CAPABL

The Department of Computer Science & Engineering organised a Career enhancement session in association with Capabl, Bangalore. During the session, the CEO of the company, **Mr. Mayank Arora** addressed the gathering and conducted AISAT (All India Skill Assessment Test) where 30 students from S7 CSE and 30 students from S3CSE were selected for their Naukri Saksham Programme. Capabl will provide support and opportunities to these students for doing internships and getting placements. 120 students from S7CSE and 120 students from S3 CSE attended the session. Faculty Coordinators: **Ms. Sreeja S. R.** and **Ms. Krishna L.**

## PAPER PUBLICATION

**Ms. Sreeja S. R.**, (Asst. Professor, Dept. of CSE) published the work "A study on modelling the dopaminergic pathways on Parkinson's Disease" in the American Institute of Physics (AIP) conference Proceedings Recent Advances in Industry 4.0 Technologies. (AIP Conf. Proc. 2917, 050008 (2023)).

## INTERACTIVE SESSIONS BY COMMANDTECH CAD AND IT PVT. LTD.



Building Information Modelling (BIM), an upcoming requisite of the construction industry, enhances the life cycle of infrastructure and buildings by virtue of integrated tools. CADBIM, the Training Wing of COMMANDtech provides BIM training for students as well as BIM placement services. An interactive session was conducted by experts from the company for the 2024 batch of Civil Engineering students on 1 November 2023. Coordinators: **Dr. Jisha S. V.**, HoD/CED along with the department placement team. **Dr. Neethu Roy**, **Dr. Jaya S. Pillai**, **Ms. Jean Molly Simon**, **Mr. Sijo M Saji**, **Ms. Sangeetha Sajeev** and **Mr. Nitin S.**

## Ph.D Defense

**Ms. Revathy Sivanandan**, Ph.D. scholar of APJ Abdul Kalam Technical University under the guidance of **Dr. Jayakumari J**, Professor & HOD, Dept. of ECE successfully defended her Ph.D. thesis titled "Development of novel CNN for Efficient Tumour Diagnosis from Breast Ultrasound Images", on 7 November 2023.

## FDP ATTENDED

**Ms. Jisha Jose**, Asst. Professor, Dept of CSE attended the AICTE-TLB Faculty Development Program, a part of the Next Gen Employability Program, from 16 to 20 October 2023. This initiative is a collaboration between the Edunet Foundation and EY GDS (Ernst & Young), in partnership with AICTE, with the objective to provide comprehensive training to Faculty Members Nation-wide.



## IET INSIET



INSIET, an online event, was organised by IET MBCET On Campus chapter on 30 October 2023. The session was handled by two distinguish guest speakers **Ms. Likhitha Chandrasekara**, a former PATW winner, and **Mr. Geoffrey Jaish R. L.**, Chairman of IET KKLN YP.

## IEEE PES

**V. Sridhar** (S1 EL) and **Aadhikesh S** (S1 EE) represented MBCET and participated in IEEE day PES Quiz Phase-2, organised as part of IEEE Day Celebrations, at Cochin University of Science and Technology, Kochi on 4 November 2023.

## WORKSHOP ATTENDED

**Dr. M. J. Jayashree, Dr Neethu Roy, Dr Luxy Mathews, Ms Deepa P. L. & Mr Arvind P.** attended the 3rd National Level Online Workshop, titled "Transformation through NAAC Accreditation Process," on 30 and 31 October 2023 conducted by Institute for Academic Excellence (IAE). The Technical Sessions gave insight into all the seven criteria of NAAC and the DVV processes, the interpretation of qualitative and quantitative metrics and the procedures and precautions during the Peer Team visit and the importance of the Student Satisfaction Survey (SSS).

## FACULTY NEWS

**Dr. Nidhi M. B.**, Associate Professor MED, delivered a lecture on 'Lean Project Management' on November 02, 2023 at School of Mechanical Engineering, VIT Vellore.

## SPORTS AND GAMES

## Lawn Tennis



**a)** Lawn Tennis Women team of MBCET Secured Second Runner Up position (**Sona S** - S5 EC 1 & **Anna Merry Cherian** - S7 CS2) in the Inter Zone Inter - Collegiate Championship held at TKM College of Engg. & Technology, Kollam

**b)** **Sona S** (S5 EC 1) got selected in the KTU University Lawn Tennis team which is going to be held at Jain University, Bangalore from 10 to 12 November 2023.

## MBCTian in Senior Basketball Team

**ASHISH T** of S3 CE got selected in the Thiruvananthapuram Senior Basketball Men's team going to participate in the State Basketball Championship to be held from 7 to 12 Nov 2023.

