

# ACTION TAKEN REPORT OF THE IQAC MEETING

09/11/2022, Friday

Resolved [4/6/09.11.2022] to implement the following decisions

## 1) Motivation to staff for higher studies.

**Action Taken:** Intimated faculties about the notifications of research programs and application details of various Universities and Institutes. Also, Management agreed to give 3 additional increments on accruing Ph.D. Faculty members are allowed to take leave for completing their course works of research program.

## 2) Internship for students in Industries

**Action Taken:** Renewed the MoUs with 5 Industries and the students are doing Projects as well as Internship in such industries.

## 3) Encouragement and Involvement of students in Product Development

**Action Taken:** 2020-24 batch ECE students have undertaken their project titled "SEDATION DIGITALIZATION" to automate the sedation process for a reputed firm who are the pioneers in manufacturing Conscious Sedation Machines (ConSed) in India. They have successfully completed the first part of the project as their mini project.

2019- 2023 batch EEE students developed a RETROFITTED EV CARGO VEHICLE, an electric cargo vehicle, is a type of vehicle specifically designed for transporting goods and freight using electric power as its primary source of energy. This e-goods carrier will be exclusively used for college canteen purpose easing out canteen staff's burden of carrying food to hostels and all. Project consist of 3 teams about 12 people with design of vehicle, battery swapping technology and design of solar respectively.

LED bulb assembly is carried out in-house by the ECE Department. This unit was used by students to assemble LED bulbs and distribute them to appropriate recipients. 2019-23 batch ECE student project "Grim Reaper- A firefighting robot for multiple scenarios" shortlist for the exhibition of 'Abhinav Vichar 2023' - an Intercollegiate state-level project competition for B.Tech students hosted by the Department of ECE, AISAT.

2018- 22 batch EEE students developed a portable solar powered high mast street light. CE students conducted a Traffic Survey for the Sabari Rail Project in association with KSCSTE-NATPAC.

2019-23 batch CE students have undertaken their project titled Manufacturing of burnt bricks using sewage sludge and iron filings.

2019-23 batch ME students developed a FFD 3D printer with automatic system temperature control unit

As a part of Women's Day celebration IEDC MBITS, in association with WOMEN CELL MBITS, organised a "Paper Bag Making Workshop" exclusively for girl students on 10th March 2023. It was guided by Assistant professor Mr. Munna Basil Mathai EEE Dept. and was coordinated by Sheena S Saiju of S4 CS. Also LED stars are made by students and sold to faculties and public.

*[Signature]*

*Sally Sr. Sally George*

#### 4) Value Education classes

**Action Taken:** IEDC and Women Cell, MBITS in collaboration with Indian Oil Corporation Private Ltd and HLL Lifecare Limited organized "SWASTHYA" - an awareness and detection camp against Anemia on 9<sup>th</sup> June 2023. Dr. Rino. R, Project Coordinator - Swasthya Anemia Screening Ernakulam (dist) was the resource person.

IQAC, MBITS and SieHz (ECE Association) in association with Indian Medical Association (IMA), Indian Academy of Pediatrics (IAP) & Woman Doctor's Wing (WDW) conducted a talk on "Sleep Hygiene" on 31<sup>st</sup> March 2023 as a part of International Adolescent Health Week. Dr. Liza Thomas, Consultant Paediatrician & Adolescent Physician, St. Joseph's Hospital (Dharmagiri) Kothamangalam was the resource person.

Women cell of MBITS conducted a Talk on 'Mental Health in Youth' on 9<sup>th</sup> March 2023. Dr. Nikhil George, Consultant psychiatrist, Cooperative hospital, Kattappana. As a part International Women's Day Celebration, Women Cell in association with Global Hunt Foundation organized an awareness session on the topic "Menstrual Hygiene" was arranged on 14.03.2023 at 2.30pm in online mode for the first-year girl students. The session was handled by Ms. Roshnee Bhowmick, CSR Executive, working with Unicharm India since 2018.

IQAC organized class wise orientation session on moral values on all Wednesdays. The session was handled by College Counsellor Ms. Siji Shanty.

#### 5) Ensure the conduct of energy audit for college.

**Action Taken:** Energy Audit Cell was constituted with Asst. Prof Jerin Susan Joy (EEE Dept.) as the coordinator and Asst. Prof. Rini Varghese P as the Joint Coordinator. Student Representations were also incorporated as Coordinators and Members. Actions of the cell are underway.

#### 6) Installation of Solar Panels

**Action Taken:** Studies on the various possibilities are in progress

#### 7) Involvement of parents to improve result and discipline, placement, and character of their ward.

**Action Taken:** Discussed about the methods to improve the result, discipline, and placement of the students in the PTA executive meeting on 14/11/2022.

Remedial classes were conducted for the weaker students and their presence were ensured by intimating their parents and feedbacks were taken about the remedial classes. As a part of the improvement of the discipline, and considering the suggestions of PTA executive, students are reminded the college rules and regulations through faculty advisors and notice.

Secretary of MBITS management called a general meeting of all staffs and students to make more aware about the discipline, especially mobile phone usage, usage of drugs etc. Scheduled an orientation class for parents of S2 students in the month of July.

#### 8) Conduct of Alumni General body meeting

**Action Taken:** Conducted Alumni Executive meeting on 14<sup>th</sup> October 2022. Alumni Executive committee decided to conduct the General body meeting in the month of December 2023. Alumni League Series started in CE (Ms. Minnu Shaji - 2017-2021

Batch), ECE – Mr. Eldhose V G (2015-2019 Batch), Mr. Febin George (2014 – 2018 Batch), EEE – Mr. Jebin Jose (2014 – 2018 Batch).

9) Waste management and Anti-drug Campaign.

**Action Taken:** As a part of Environmental day celebration, MBITS students made cloth bags and distributed to public. 2019-23 batch CE students made floor tiles using epoxy mixed e- waste as a part of their project. On October 12th, 2022, MBITS NSS 227 & 571 units volunteers presented a street drama at Kothamangalam private bus terminal in conjunction with an anti-drug youth rally organized jointly by MBITS Engineering College and Anti-Narcotics Club, Kothamangalam. The programme was launched by Sri S Sathesh, Honorary Vice Chairman, Kerala State Youth Welfare Board. The Anti-Narcotic Cell of MBITS organised a DRUGS ABUSE awareness session on October 28, 2022.

10) Organisation of National/International Conferences.

**Action Taken:** Computer Science & Engineering Department in association with CSI Cochin Chapter organized a National Conference on “Innovations in Computer Science & Technology NCICST’23 (In Hybrid Mode) on 25<sup>th</sup> & 26<sup>th</sup> May 2023.

11) Aptitude Training Slots in regular timetable.

**Action Taken:** Added slots in regular timetable from S3 onwards. To make it more effective, IQAC and Training & Placement Cell of MBITS in association with Konfidence Group organized a 3-day Faculty Development Programme on “Train the trainer on Aptitude Training” aimed to empower the faculties to be competent to design and deliver aptitude training. The programme was held at the MBITS campus on 3<sup>rd</sup>, 4<sup>th</sup> and 6<sup>th</sup> March 2023.

12) Quality Circle Education

**Action Taken:** Started with CE department

13) Orientation program for all staff members.

**Action Taken:** Scheduled an orientation session for all staff in the month of September.

14) Acceleration of NBA preparation

**Action Taken:** CSE & ECE Department decided to apply for NBA accreditation in the year 2023-24. All other eligible departments decided to apply for NBA accreditation in the year 2024-25. As a part of NBA accreditation, IQAC organized a workshop on “Innovative Teaching Methodologies” on 12<sup>th</sup> May 2023. Mr. Bose Joseph, Asst. Professor, S & H Department and Ms. Manju George, HoD CE & NBA Coordinator handled the sessions. Criteria wise presentation was conducted during 29<sup>th</sup> to 31<sup>st</sup> May 2023.

15) Enhancement of existing infrastructure and resources

**Action Taken:** Parking Shed for Student’s Vehicle with the support of Alumni. Fire and Safety installation is in progress. Installation of fan in the main auditorium. Open stage in the central courtyard. Reallocation of rooms and renovation of Admission cell, Chappel, Reception area, Canteen

16) Review of Quality policy of the Institute

**Action Taken:** Entrusted Shainy Peter, ECE Department and it is in progress.



*Solly*  
Dr. Solly George

### 17) Skill based training for students

**Action Taken:** IEDC MBITS, in association with Women Cell, MBITS & Institution Innovation Council, organised a workshop named MECHANLIA 2.0 basic Vehicle Repair Workshop exclusively for girl students on 24th February, 2023 from 1:00 PM at St. Thomas Block. The session was taken by Mr. Eldhose K A Tradesman HE Lab. The class was purely based on the Maruti Suzuki Swift and He explained all the basic information that an individual should need to know while handling a car and all the things that we should be aware of before starting the vehicle.

ECE Association SieHz organized a Hands-on Workshop on Real-Time IoT using Node MCU on 29<sup>th</sup> April 2023. The session was handled by Mr. Dixon Sunny, 2019-2023 ECE Batch

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A One-day skill share on "Introduction to Java Programming" was organized by Innovation and Entrepreneurship Development Center (IEDC), MBITS in collaboration with IEEE cell of MBITS on 4th November 2022 from 1:00 PM to 1:30 PM at APJ Seminar Hall. The session was taken by Mr. Kevin P Joseph (2019-2023 Batch CSE). The session was about introduction to java programming and its basic programs.

### 18) Take feedback on general facilities of the college and remedial class for the students.

**Action Taken:** IQAC prepared a feedback form (google form) and survey was conducted by Chethan Roy of ME Department, IQAC member,

#### In addition to the action taken

- 1) Conducted a Strategic Planning Workshop on and prepared report on that.
- 2) IQAC prepared Exit Survey Questionnaire for Exit Interview
- 3) Increase in intake of seats and addition of new courses
  - i) 60 seats in CSE
  - ii) 60 in CSE (Data Science)
  - iii) 60 seats in MCA
  - iv) 30 seats in Diploma courses in 3 EEE, ME & CE branches (In Progress)

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