

7.1.9 SUPPORTING DOCUMENTS

- REPORT OF ACTIVITIES INCULCATING VALUES
- PROFESSIONAL ETHICS -SYLLABUS
- FIRST YEAR INDUCTION PROGRAMME

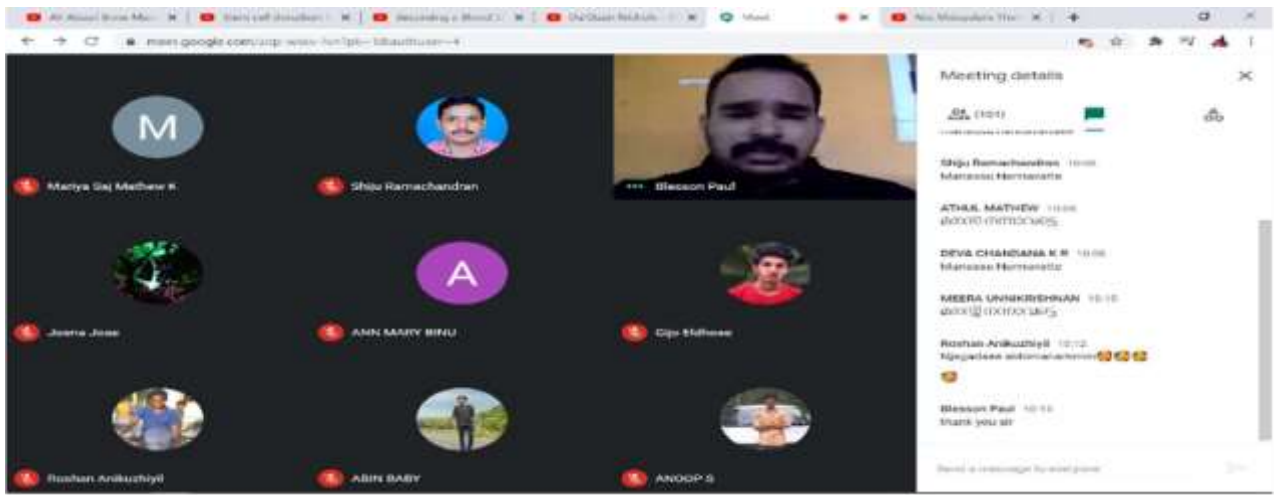
REPORT OF ACTIVITIES INCULCATING VALUES

ANTI RAGGING AWARENESS

The Kerala Prohibition of Ragging Act and information Technology Act arranged by Taluk Legal services Committee Kothamangalam in association with MBITS,Nellimattom conducted a webinar on 30-10-2020 at 10:.30 am in google meet..This webinar was inaugurated by Sri. M. N Manoj (Munsiff Magistrate, kothamangalam). The programme started with Manavageetham followed by the Welcome Speech by Sri. Ramees. A (Secretary incharge, TLSC Kothamangalam) and the presidential address was given by Dr. P Sojan Lal (Principal of MBITS). The interactive session was taken by Adv. Sri. V. M Peter and vote of thanks said by sri. John Samuel(Asst. Professor, MBITS).

STEM CELL DONATION AWARENESS

Mr Blesson Paul, coordinator blood donors took an awareness class on the importance of blood and stem cell donation in google meet on 18 October 2020 at 10am - 12:30pm. Through blood donation we not only save lives of people but also refreshes our system.



PALLIATIVE CARE DAY

Palliative care day was observed by the NSS unit of MBITS College. When a loved one becomes seriously ill, there are so many questions and concerns to take into consideration. It is a difficult, emotionally stressful time for not only the patient but also for their family and loved ones. Ultimately, we want our loved one to rest comfortably . In order to know more about Palliative and palliative care M.M .Shamsudeen, coordinator at

Peace Valley made awareness about it on 10 October 2020, 10am - 11am in google meet.

Former NSS volunteers and 1st year NSS volunteers participated in this event. Overall the event was a grant success.



CLEANING PROGRAMME

The monsoon cleaning was carried out on 3/7/2020 . Former NSS volunteers and new volunteers (from S3) participated in this event by staying at home and following the covid protocols.

Monsoon cleaning can help protect us from other infectious diseases . Therefore , it is the duty of each and everyone of us to keep our home and surroundings clean during this rainy season .Everyone took up this activity of cleaning their own house and premises with great pleasure and made it a success.

ENERGY AUDIT AND DOMESTIC ENERGY SURVEY

The NSS unit of MBITS college conducted an activity on energy audits on 10-4-2021. NSS program officer Shiju Ramachandran took a class on how to implement this activity in google meet. He talked about Energy conservation, Energy Efficiency, and Faulty. Energy Conservation means steps taken to reduce and to use as much energy as necessary through changing energy consumption behavior viz Switching off lights when not in use. Energy Efficiency means using less energy to provide the same service/output viz replacing inefficient light bulbs with efficient ones. Faulty means an equipment not working or; having defects. This was followed by a Domestic Energy Survey in their own homes.

COVID VACCINE AWARENESS

The NSS units of MBITS conducted a state level webinar on the topic “The A to Z of COVID-19 Vaccine” on 24-1-2021 in google meet. The interactive session was taken by Dr. Neethu Chandran ,Medical Officer. Both senior and junior NSS volunteers attended this program.Through this program, children

became aware of the vaccine and its merits and demerits. After the session they were able to clarify their doubts .

HUT 200 PROFESSIONAL ETHICS -SYLLABUS

Module 1 – Human Values.

Morals, values and Ethics – Integrity- Academic integrity-Work Ethics- Service Learning- Civic Virtue-

Respect for others- Living peacefully- Caring and Sharing- Honestly- courage-Cooperation commitment-

Empathy-Self Confidence -Social Expectations.

Module 2 - Engineering Ethics & Professionalism.

Senses of Engineering Ethics - Variety of moral issues- Types of inquiry- Moral dilemmas – Moral Autonomy –

Kohlberg’s theory- Gilligan’s theory- Consensus and Controversy-Profession and Professionalism- Models of

professional roles-Theories about right action –Self interest-Customs and Religion- Uses of Ethical Theories.

Module 3- Engineering as social Experimentation.

Engineering as Experimentation – Engineers as responsible Experimenters- Codes of Ethics- Plagiarism-

A balanced outlook on law - Challenges case study- Bhopal gas tragedy.

Module 4- Responsibilities and Rights.

Collegiality and loyalty – Managing conflict- Respect for authority- Collective bargaining- Confidentiality-

Role of confidentiality in moral integrity-Conflicts of interest- Occupational crime- Professional rights-

Employee right- IPR Discrimination.

Module 5- Global Ethical Issues.

Multinational Corporations- Environmental Ethics- Business Ethics- Computer Ethics -Role in Technological Development-Engineers as Managers- Consulting Engineers- Engineers as Expert witnesses and advisors-Moral leadership.

Text Book

1. M Govindarajan, S Natarajan and V S Senthil Kumar, Engineering Ethics, PHI Learning Private Ltd, New Delhi,2012.
2. R S Naagarazan, A text book on professional ethics and human values, New age international (P) limited ,New Delhi,2006.

Reference Books

1. Mike W Martin and Roland Schinzinger, Ethics in Engineering,4th edition, Tata McGraw Hill Publishing Company Pvt Ltd, New Delhi,2014.
2. Charles D Fleddermann, Engineering Ethics, Pearson Education/ Prentice Hall of India, New Jersey,2004.
3. Charles E Harris, Michael S Protchard and Michael J Rabins, Engineering Ethics- Concepts and cases, Wadsworth Thompson Learning, United states,2005.
4. <http://www.slideword.org/slidestag.aspx/human-values-and-Professional-ethics>

REPORT ON

FIRST YEAR STUDENT INDUCTION PROGRAM 2020

As per the guidelines from AICTE, an eight-day Student Induction Program has been successfully conducted in MBITS in online mode (Zoom platform) for the first year B Tech batch of 2020 admission, from 19th to 30th November 2020. The induction program was planned in a manner to meet the AICTE guidelines as well as the vision and mission of the institute. Learners come with diverse thoughts, backgrounds and perceptions. Hence it becomes important to help them adjust to the new environment and inculcate the core values of the institution with a sense of larger purpose. MBITS organized the induction program with an objective to provide sufficient time and platform for the transition of students from school to the hard-core engineering. Considering the long break since the month of March, induction program has been proved to be an educational activity of adapting motivation and recourse to their procrastinated educational goals.

The Induction program began with an orientation program for parents and students on 19th November 2020. Dr. S Somanath, Distinguished Scientist and Director, VSSC, ISRO inaugurated the program. He emphasized the importance of transcending the knowledge of engineering for the betterment of the society. Having given the warm welcome to students, he also appealed the students to utilize maximum resources at the most of their capacity for academic enhancement. Dr. P Sojan Lal, Principal of MBITS, heads of various departments and deans of the college felicitated on the occasion. The inauguration function ended up with the vote of thanks by Mr. Siju Jacob, coordinator of the SIP.



Inaugural Speech by Dr. S Somanath

Under the umbrella of induction program, on the consequent days a wide range of lectures were conducted on topics such as Universal Human Values (UHV), Personality development, Communication Skills, Technical skills, familiarization with startup ideas, Alumni talk, Yoga and meditation, familiarization with different branches of engineering etc. Eminent personalities from different sections of the society were invited to enlighten students which included professionals, corporate trainers, academicians, managers of active firms. The sessions were quite interactive and proved to provide a visualization to distinguish personal, professional, academic and social life, with ease and a clear picture of self, the vitality of human values and communication in general. The students felt motivated to get inculcated in the color of engineering college and more significantly they gave emphasis to attach values in professional and individual life. Following is the list of experts and their topics.

Name	Designation/Organization	Topic of discussion
Mr, T K Jose IAS	Addl. Chief Secretary, Home, Vigilance, Water resources, Govt. of Kerala	Motivational Talk
Dr. K P Ouseph IFS(Rtd)	Former Principal Chief Conservator of Forest, Kerala.	Universal Human Values
Dr. S Unnikrishnan	Director, Human Space Flight Centre, ISRO, Bangalore.	Inspirational Talk
Dr. K V Jayakumar	Professor (HAG), NIT Warangal	Inculcating human values in GenZ students
Col. Shaji M Varghese	Managing Director, KEL	Diversified opportunities in Engineering
Mr. Rajagopalan P	Former Senior Director, UST Global	Interdisciplinary Project - Industrial Case study

Mr. Anil Pai	Global Head of TCS Digital Field Service Management	Interdisciplinary Project - Industrial Case study
Dr. Brijesh Paul	Professor, MACE, Kothamangalam	Attitude setting for professional education
Mr. Ebrahim K S	Excise Officer, Muvattupuzha	Anti-Narcotics awareness
Ms. Siji Shanty	Professional Counsellor	Personal effectiveness
Dr. P Sojan Lal	Principal MBITS	Transformation-School life to Professional Course, 7 habits of highly effective Teens
Mr. Midhun Mathew	HOD, CSE, MBITS	Rules and regulations of KTU
Mr. Jobil Varghese	Asst. Prof. CE, MBITS	Yoga and Meditation
Mr. Shiju Ramachandran	NSS Program Officer, MBITS	Orientation to NSS
Mr. Mahesh K M	IEDC Nodal Officer, MBITS	Introduction to IEDC, MBITS
Mr. Kiran Chandran	Best outgoing student, 2020 batch	Interaction with students
Mr. Ganesh Sreedhar	S7 B.Tech ME, Team lead, Smart India Hackathon Hardware edition 2019 Winner	Interdisciplinary Project – MBITS Approach

From day 4 onwards of the SIP, the faculties of MBITS actively engrossed in training the students across various subject areas including Universal Human Values, familiarisation to various engineering branches and the career opportunities in each of them. The YouTube video links of AICTE modules on Universal Human Values (UHV) were shared to students for viewing each day after a brief description on the topic by our faculty.

Name	Designation	Topic of Discussion
Ms. Deepthy Varkey	Asst. Prof. CE	Introduction to Civil Engineering Department
Ms. Meenu George	Asst. Prof. CE	UHV- Aspirations and Relationship
Ms. Renu Mary George	Asst. Prof. EEE	Introduction to Electrical and Electronics Engineering Department
Mr. Arun Eldho Alias	Asst. Prof. EEE	UHV- Concerns and Resolutions
Mr. Naveen B Parappattu	Asst. Prof. ME	Introduction to Mechanical Engineering Department
Mr. Anil M G	Asst. Prof. ME	UHV- Health and Trust
Mr. Robin George	Asst. Prof. ECE	Introduction to Electronics and Communication Engineering Dept
Ms. Shainy Peter	Asst. Prof. ECE	UHV- Respect and Response
Ms. Mintu Thomas	Asst. Prof. CSE	Introduction to Computer Science and Engineering Department

Ms. Teena Skaria	Asst. Prof.	CSE	UHV- Affection and Reverence
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In the closing phase on day 8(30.11.2020), all the students were asked to give their feedback about the Induction program through google forms. From the positive comments of the students, it was clear that the induction program offered a holistic view to engineering education and the various aspects of character building among engineering students. The freshers were able to show confidence and successful transition into a new academic environment.

The SIP coordinators wish to express our deep sense of gratitude to Mr. Binu Kaippillil, Secretary MBTS and Principal Dr. P Sojan Lal for their great support and guidance. We also extend our gratitude to experts from various organizations and industries for their valuable presence in the program as guests and key-note speakers. We are very much thankful to the heads of various departments, deans, all the committee members of the induction program, all teaching and non-teaching staff, technical support team, beloved students and parents.