

Mar Baselios College of Engineering and Technology (Autonomous)
ASSISTIVE TECHNOLOGY GROUP REPORT

July 2020 - June 2021

1. NISH CATI – MBCET meeting (1 June 2021)

- Meet Link: meet.google.com/xhw-hrzo-jgt
- An online discussion with Dr. Akila S., Senior Engineer (CATI) and Mr. Kshitij Singh to discuss a possible joint FDP to be organized for the year 2021-2022, was conducted on 1 June 2021 September 2021 from 11:30 am to 12:00 pm. Dr. M. J. Jayashree, Ms. Lani Rachel Mathew, Ms. Hema P.P., Mr. Aswin R.B., Mr. Jomy Joseph, Ms. Teena Rajan and Ms. Amritha B.J. attended the discussion.

2. Alert Project at NISH

- A team of 8 students (Aparna Sreekumar and Vaishnavy Menon (S6 CS2) , Vaibhav K. and Vishnu P. Kumar (S6 EC2), Arya P.K. and Devika M.M. (S6 EE2), Pratyush Moni S. and Sidharth Nair (S6 ME2)) from MBCET under the mentorship of Mr. Amith G. Nair, Hardware Engineer at NISH, started off on 10th April 2021, with the project work on implementing an alert device for the hearing impaired, to be used inside the library and that can be controlled using a phone. They have built a working model of the same, and passed it on to NISH for testing.



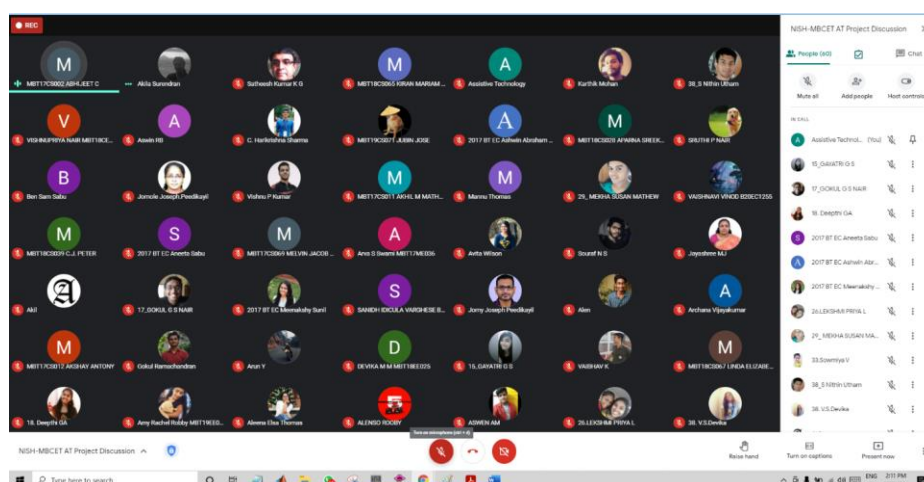
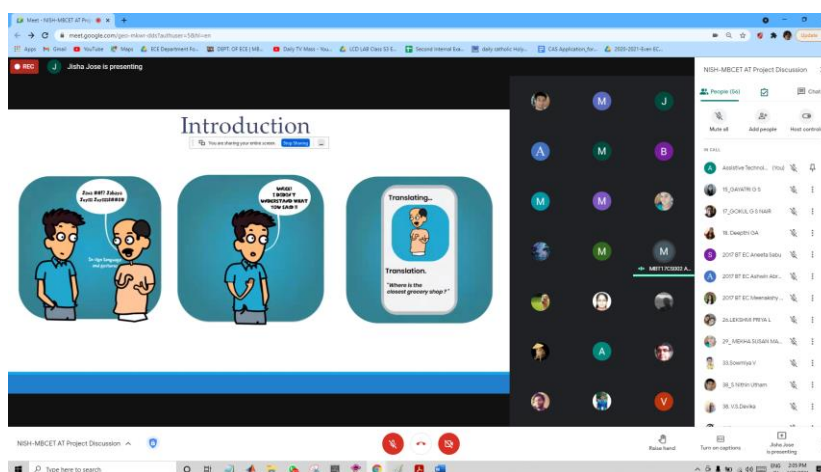
3. Joint project with NISH on 'Speech therapy system for children with cleft lip and/or palate':

NISH Review Authority for Review (RAR) has granted approval, on 30th April 2021, for the student project by Ms. Deepthi G. A., Ms. Aneeta Sabu, Ms. Sowmiya V. , Ms. V. S. Devika under the supervision of Ms. Lani Rachel Mathew and Ms. Amritha B.J. The project is done with inputs from Ms. Manju S. of NISH.

4. NISH-MBCET AT Project Discussion on April 30, 2021

An online discussion with experts from National Institute of Speech and Hearing (NISH), on the ongoing Assistive Technology (AT) projects in the college, was held on 30th April 2021. Prof (Dr.) K. G. Satheesh Kumar, Director, Centre for Assistive Technology and Innovation (CATI), NISH and Dr. Akila S., Senior Engineer (CATI) gave suggestions for improvement and appreciated the progress in the projects. Ten projects from across the college were presented before a virtual audience of more than 60 participants.

Coordinator: Ms. Jisha Jose (Asst. Professor, Dept. of Computer Science Engineering)



5. Faculty visit to NISH on 25 March 2021

Faculty members from the Assistive Technology group at MBCET (Dr. M.J. Jayashree, Mr. Aswin R.B., Ms. P.P. Hema, Mr. Jijo Jose and Ms. Amritha B.J.) visited the National Institute of Speech and Hearing (NISH) on 25 March 2021, to discuss the projects related to Assistive Technology that can be implemented in collaboration with NISH.



6. AT Internship 2019 intern - update

Ms. Aleena Elsa Thomas of S6 CS, intern at MBCET Assistive Technology Internship 2019, and Student Mentor of MBCET Assistive Technology Internship 2020, enrolled for and successfully completed two diploma courses in Learning Disabilities and Special Needs Education offered by British Learning, London. Congratulations, Aleena!





7. AT Internship 2020

The AT internship 2020 was conducted online from 3rd August 2020 to 14th August 2020. 104 students successfully completed the internship and were awarded certificates.

2020 Assistive Technology Internship - Invited Talks - Google Meet Videos

1. <https://youtu.be/fDSiMfj1ymo> - Invited Talk on 3rd August 2020 by Dr. Satheesh K. G., Director, CATI, NISH on the topic 'An Engineer's Perspective on Disability and Assistive Technology'
2. <https://youtu.be/U7H9FCbmaUQ> - Invited Talk on 5th August 2020 by Ms. Manna M. Leghu, R&D Psychologist, Embright Infotech, on the topic 'Understanding Assistive Technology - Significance, Trends & Applications'
3. <https://youtu.be/9vzZuIRVT1E> - Invited Talk on 6th Aug 2020 by Mr. P. Balaraman, Blind Chess Champion and Access Technology Trainer, Jyothirgamaya Foundation on the topic 'Accessibility: Challenges and Perspectives'
4. https://youtu.be/7qsKow_NQ7A - Invited Talk on 10th Aug 2020 by Dr. Suja K. Kunnath, NISH, on the topic, 'Autism Spectrum: Can Technology make a positive impact?'
5. <https://youtu.be/PprBM2zinDs> - Invited Talk on 12th August 2020 by Mr. Sanju Mathew, CEO, Codeof duty, on the topic 'Building Bionics'

Speakers

**INTERNSHIP
ON
ASSISTIVE
TECHNOLOGY
2020**



MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY



Dr. M. J. Jayashree
HoD ECE Dept.



Dr. Satheesh Kumar
NISH



Mr. Jomy Joseph
CE Dept.



Mr. P Balaraman
Chess Master



Ms. Hema P. P
ECE Dept.

Speakers



Ms. Manna M. Leghu
Embright Infotech



Dr. Suja Kunnath
NISH



Ms. Athira V
ECE Dept.



Ms. Amritha B. J
ECE Dept.



Mr. Sanju Mathew
CEO, CodeofDuty



Mr. Mathew Abraham
Architect

**'Alone we can do so
little; together we
can do so much.'**

- HELEN KELLER



MAR BASELIO
COLLEGE OF ENGINEERING AND TECHNOLOGY

**INTERNSHIP
ON
ASSISTIVE TECHNOLOGY 2020**

Assistive Technology Group, In Association with Department of Electronics and Communication Engineering

Team



Dr. M. J. Jayashree
HoD, ECE Dept.



Ms. Lani Rachel Mathew
Asst. Prof, ECE Dept.



Ms. Amritha B. J.
Asst. Prof, ECE Dept.

**Faculty
Mentors**



Ms. Hema P. P.
Asst. Prof, ECE Dept.



Ms. Jomole Joseph
Asst. Prof, EEE Dept.



Mr. Jomy Joseph
Asst. Prof, CE Dept.



Dr. Nidhi M.
Assoc. Prof, ME



Dr. Shalu George K.
Asst. Prof, EEE Dept.



Ms. Jisha Jose
Asst. Prof, CS Dept.



Ms. Sourmya A. V.
Asst. Prof, EEE Dept.



Ms. Teena I.
Asst. Prof, EC

