Project Based Activities

Students are encouraged to involve themselves to carry out group projects on emerging technologies to find IT solutions for socio-environmental issues. These projects can be in the form of mini-projects as part of the curriculum or mini-projects as part of the Project Based Learning (PBL).
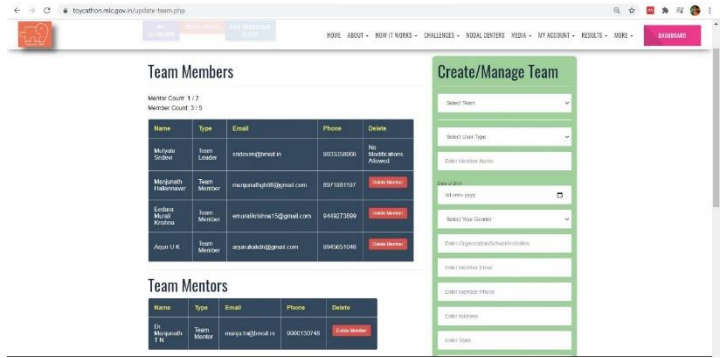
Product Designs and Innovations : 2020-21

Toycathon - 2021 is an inter-ministerial initiative organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting. 1,32,969 users registered for the competition and 17770 ideas were received out of which 1567 ideas were shortlisted for Grand Finale scheduled from **22nd to 24th June, 2021**. The team from Dept. of MCA led by Ms. M.Sridevi, Research Scholar, Dept. of MCA, VTU Research Centre, BMSITM, Bengaluru with team members Manjunath H, Arjun U K, and Murli Krishna E, IV Semester students, had sent 3 entries for the Toycathon – 2021 out of which 2 have reached Grand Finale which were

- Board game for Alzheimer's patients to boost their memory and prolong the disease progression (Nostalgia)
- Game for the children to learn Proverbs and Idioms

As only one idea can be presented in the Grand Finale, our team have selected "Nostalgia" game designed for Alzheimer's patients that has moderate Indian market and wide international market.

On 24th June 2021, PM Shri Narendra Modi interacted with selected finalists of Toycathon. Our team reached to power judging round, the pinnacle of the Toycathon finals, by being in the Top 275 and presented their idea to panelists from renowned institutions like NITs and IITs. The details are available at the link: https://toycathon.mic.gov.in/
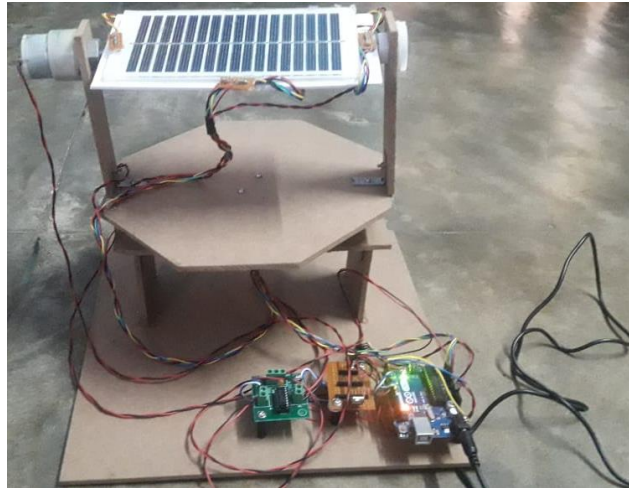
Project Based Learning: 2020-21

The Open Day (Project Exhibition) was conducted online at the Department of MCA on **7th December 2020**. All the V Semester students came out with innovative projects which were IoT based developed using Raspberry-Pi, Pic-18 and Arduino boards under the guidance of Prof. Dwarakanath G V and Prof. M Sridevi. A total of 27 projects were evaluated by an Internal Committee (Dr. Aparna K, Dr. P. Sudarsanam and Prof. Drakshaveni G.) at the Department on 4th and 5th December 2020. Out of 27 projects, 18 projects were short-listed for final evaluation by external jury on 7th December 2020. The jury for the final evaluation comprised of Mr. Arun Rajpurohit, Founder Director, DLithe Pvt. Ltd., and Dr. P Ganesh. The evaluation was done based on parameters like innovation, clarity in the objectives set and met, communication, innovation, teamwork, and societal/industrial/environmental relevance of the project. Three best projects were selected and were awarded cash prizes. Due to pandemic the event was organised Online and the same can be accessible at: **https://youtu.be/DyJbiX6n6ok**

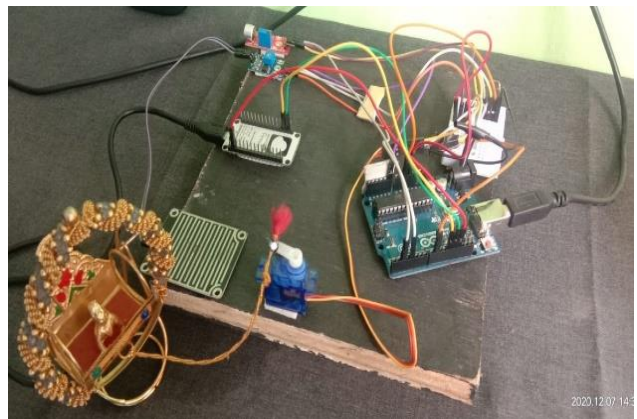The Prize winners are as follows:

V Semester MCA				
Sl. No.	USN	Name	Project Title	Place
1	1BY19MCA62 1BY19MCA69	Pooja.K.A Shraddha	Solar Tracking Panel	1st
2	1BY18MCA15 1BY18MCA16	N Surya Prakash Nayana K	Smart Crop Protection and Fire Detection System	2nd
3	1BY18MCA07 1BY18MCA29	Ashwini C R Sinchana	Smart Cradle System	3rd

Solar Tracking Panel – I Prize

**Smart Crop Protection and Fire Detection
II Prize**

**Smart Cradle System
III Prize**