

MES COLLEGE MARAMPALLY

APJ ABDUL KALAM CHAIR FOR RESEARCH, INNOVATION & TECHNOLOGY REPORT 2022-23

EVENT1: LOGO DESIGN COMPETITION

APJ Abdul Kalam RIT Chair organized a Logo Design competition on 27-07-2022 with the following rules:

1. Logo must be innovative
2. Use Technical symbols
3. Simple and Catchy
4. Related to Research, Innovation and Technology

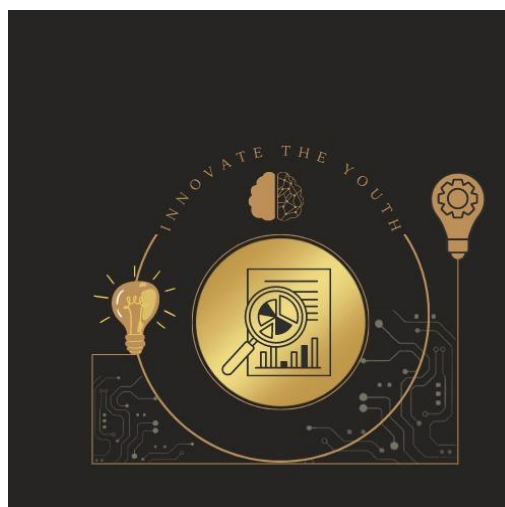
More than 15 designs from students and staff of various departments came for the competition and we selected 3 of them for first, second and third positions. The one which got first position is modified and thereafter selected as the logo of the cell.

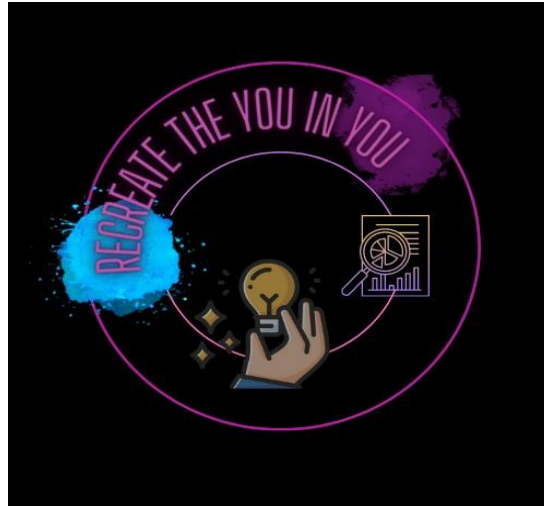
WINNERS:

1. Steffy Senson – BCA 2020 adm (S5 BCA)
2. Arun C P – BCA 2020 adm (S5 BCA)
3. Razeena Ashraf– Assistant Professor, Department of Psychology



DR. APJ ABDUL KALAM CHAIR FOR RESEARCH INNOVATION AND TECHNOLOGY





Selected Logo Designs



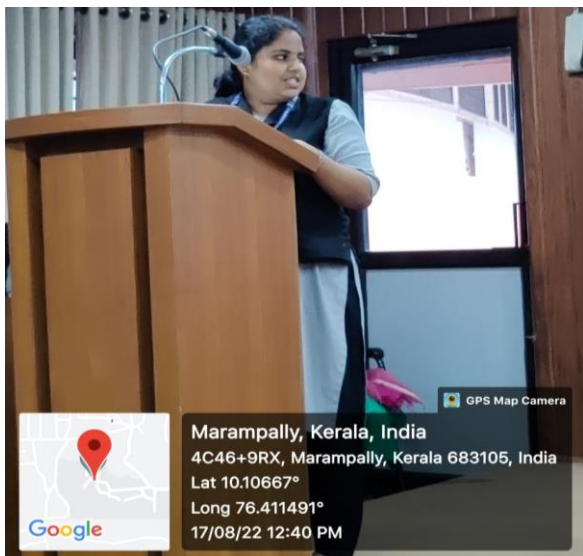
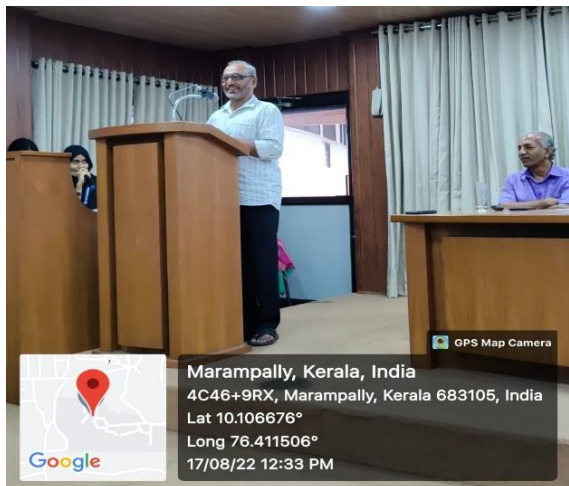
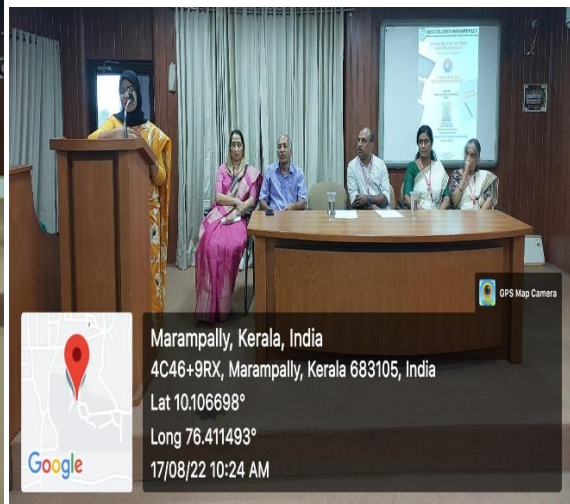
Logo modified and selected for APJ Abdul Kalam Chair for RIT

EVENT2: A SESSION ON ‘INSPIRING RESEARCH ‘

The research orientation seminar on “A Session On Inspiring Research” was jointly organized by APJ Abdul Kalam Chair For Research Innovation & Technology and PTA, MES College, Marampally, on 17th August, 2022 at 10.00 am. Invited speaker for the seminar was N.M.Hussain, Multiple Intelligent Analyst, Alpha Solutions, Kochi. The session was started by invoking the presence of almighty. The prayer song was sung by Psychology students. Dr. Shereena. V.B, Asst. Professor, Department of Computer Applications, gave the welcome address. The Presidential address was given by Dr. Jasmine.P.M, Vice-Principal of MES College Maramapally. Mr.Haneefa KG Asst.Prof, Dept of Physical Education , and Mr.Suhailu Rahman, Vice- President, PTA, MES College Marampally gave the felicitation, followed by the resource person of the event N.M.Hussain, was welcomed for the technical session.

N.M.Hussain gave an informative presentation on Research ,Patents and Innovations the steps ahead on becoming a good researcher . He explained the role of studentsin Research and in Society.

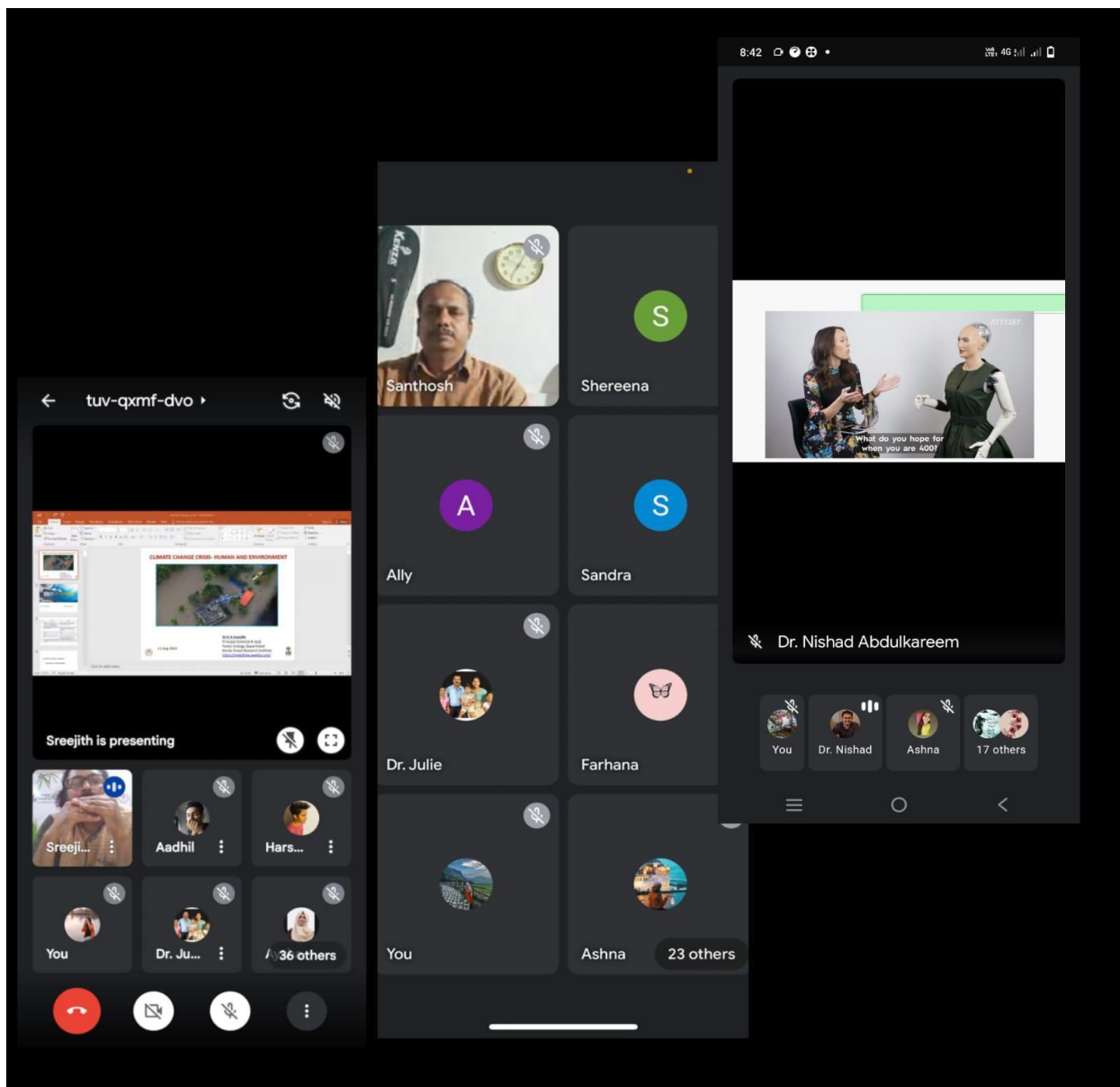
The talk highly inspired students ,they gave good feedback on the same. There were about 111 participants for the program. After the presentation an interaction session was conducted. Students as well as teachers asked questions to the speaker and cleared the doubts. Dr.Rashmi.P, HOD, Dept.Psychology expressed her gratitude towards the Management of College, and all coordinators for their constant support and encouragement to attend such enriching sessions. She further thanked the speaker as well as participants for joining the seminar making it a success. The program concluded at 12.45pm.



EVENT3: THREE DAY ONLINE LECTURE SERIES ON “RESEARCH DEVELOPMENT IN SCIENCE AND TECHNOLOGY AFTER THE INDEPENDENCE OF INDIA”.

APJ Abdul Kalam Chair for Research Innovation and Technology and Intellectual Property Rights Cell jointly organised a three day online lecture series on the topic “RESEARCH DEVELOPMENT IN SCIENCE AND TECHNOLOGY AFTER THE INDEPENDENCE OF INDIA”. The lectures were

conducted through google platform at 7 pm on 10th, 11th and 18th August 2022. Dr. Shereena V. B., APJ RIT Chair coordinator welcomed the programme. Santhosh Thannikat, District Sustainability mentor, Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India was the speaker of first day. He gave an idea about various job opportunities of different courses. The speaker of the second day was Dr. A. Sreekanth, Principal Scientist, Department of Forest Ecology. His topic was climate change crisis - human and environment. Dr. Nishad A, HSST Computer Science, Department of Higher Secondary Education, Govt. of Kerala, the speaker of the third day explained the topic cognitive science. The online lecture series help the students in a fruitful manner on the topic development of research in science and technology.



EVENT4: ADI SHANKARA FAB LAB VISIT 14/11/2022

APJ Abdul Kalam Chair for Research, Innovation and Technology, in association with IEDC organized an Incubation Centre visit for interested students at Adi Shankara Institute of Engineering and Technology. Students were given an introduction and the backstory of how the lab and technology business incubator at the institution came into existence where many researchers and companies come to manufacture their product.

They were shown the business incubator system at the workshop and was given a brief explanation on how motherboards and other boards were made and manufactured. They were Introduced their own made automated water pump system which was designed by the researchers and their own inventions such as precision driller tool and different types of projects

Students were accustomed to a research lab where their mission was to grow cultivatable plants indoor without soil and using only their automated AI system that reads the state of the plant and the room to automatically spray necessary nutrients the plant needs onto its roots (Hydroponic). ufarms.io Also, they were shown the fab lab where students used to make prototypes of their product. They were introduced to different types of latest technologies such as a 3D printer, HVTS (High velocity thermal spray), a and many more

- Working and how to work on a CNC machine (Desktop D2418)
- How to use a 3D printer and how it is better than manual work
- Automatic hand sanitizer dispenser that we saw all over Kerala during the covid era was made in this fab lab by other students and we were shown the first prototype of it.

Then the students were shown the production workshop where hardware items and other mechanical tools were made using large machineries. They were also given a brief explanation on how to use those machineries. Akash gave a conclusion speech in behalf of MES College Marampally and the excavation was dispensed. We took a group picture together with the available faculties of Adi Shankara, and left Adi Shankara Institute back to MES College Marampally.



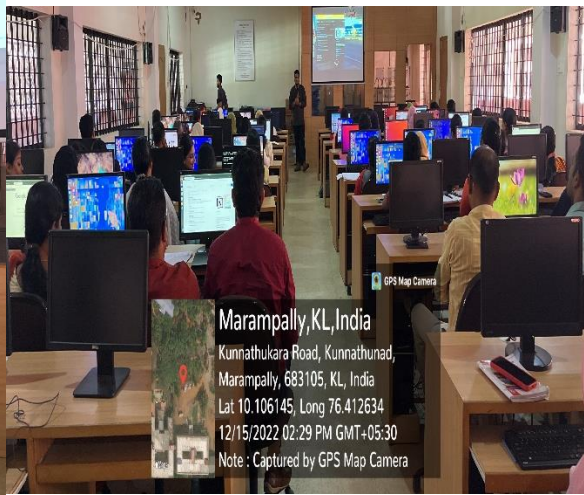


EVENT5: EASY TEACHING WITH NOTION (ICT TRAINING PROGRAM FOR TEACHERS)

An ICT training program “Easy Teaching with Notion” was conducted for teachers on 15-12-2022. The program was organized by APJ Abdul Kalam Chair For Research Innovation & Technology in association with Department of Computer Applications, MES College, Marampally. The resource person was Mr. Ejas Muhammed, alumni of Department of Computer applications. Ejas Muhammed is currently designated as the community Head of Talrop, and Founder and CEO of Ykipp.

The session was started by invoking the presence of almighty. Dr. Shereena. V.B, Coordinator of APJ Abdul Kalam Chair for Research Innovation & Technology and Asst. Professor, Department of Computer Applications, gave the welcome address. The Presidential address was given by Dr. Ajims P Mohammed, Principal of MES College Maramapally. Dr. Leena C Sekhar, Head, Department of Computer Applications addressed the gathering followed by, Dr. Shemi P M, Staff Association Secretary gave the felicitation. After that the speaker began the session.

Ejas Muhammed gave a general talk on conventional teaching methods and its merits and demerits. According to him, new generation needs mentoring, not teaching. More number of mentors should be present in an institution. Also. He gave a technical talk on Notion. Notion a note-taking and idea-organizing platform, like a lot of Notion alternatives, but it's also so much more than that. We can use Notion to take notes, track students’ progress, create and and organize project details. Notion is a single space where you can think, write, and plan. Capture thoughts, manage projects, or even run an entire company.He gave hands on training on how to use Notion platform for tracking students progress. Finally the program was winded up by vote of thanks from Dr. Jasmine P M, Vice Principal and IQAC Coordinator.



EVENT6: IPR IN THE INDIAN CONTEXT WITH SPECIAL FOCUS ON INDIA

The session entitled “IPR In The Indian Context With Special Focus On India” is organized by IPR cell in association with APJ Abdul Kalam Chair for Research, Innovation and Technology. The program started at 10:15am in the audio visual room of MES College Marampally with prayer. Dignitaries and students were welcomed with a speech by Dr. Julie M David, coordinator of IPR Cell. Presidential address of the programme was delivered by Dr. Ajims P Mohammed, Principal of MES College Marampally. Felicitations were given by Dr. Shereena V B, coordinator of APJ Abdul Kalam RIT Chair. The interactive session was led by Dr. I G Ratheesh , Assistant Professor, IUCIPRS CUSAT. The topic was 'Intellectual Property Rights in the Indian Context with Special focus on India '. The talk was interesting and informative. It included variety of information about IPR and ideas. Intellectual Property Rights are legal rights governing the use of creations of the human mind. The recognition and protection of these rights is of recent origin. Patents, designs, and trademarks are considered as industrial property. Students from various departments were present among the audience. The session was informative to all of them. After the programme, the feedback was given by Aadhil Abdulla, student of BCA and Vote of Thanks by Dr. Rashmi P. The programme was concluded at 11:45 am.

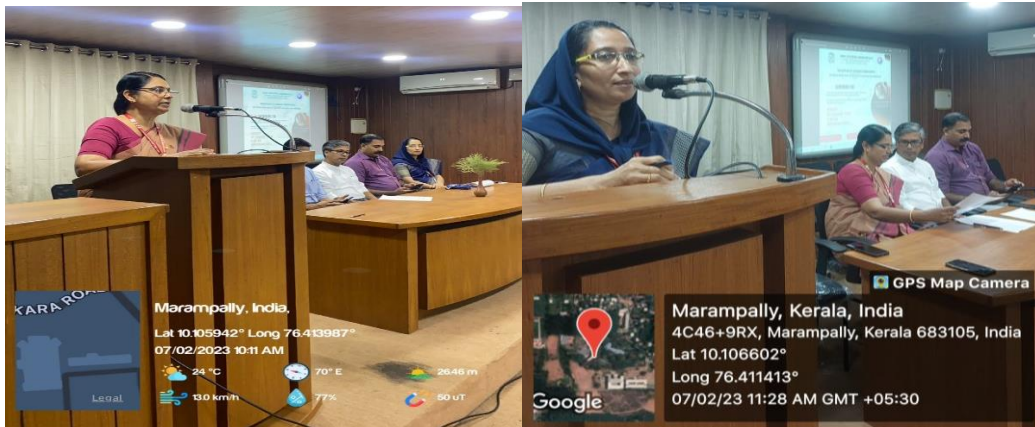




EVENT7: SEMINAR ON CAREER OPPORTUNITIES OF COMPUTER SCIENCE GRADUATES IN SOFTWARE ENGINEERING AND BENEFITS OF LEARNING SOFTWARE TESTING AND DATA ANALYTICS PROGRAM

On 7th February 2023, 2nd year and 3rd year students of Department of Computer Applications, MES College Marampally attended a seminar on career opportunities for computer science graduates in software engineering and benefits of learning software testing or data analytics programme. The programme was conducted by Department of Computer Applications in association with APJ Abdul Kalam Chair for Research, Innovation and Technology. The session was handled by Mr. Manoj Thrivikraman, CEO and Founder of Artlumen pvt.Ltd. The programme started at 10 o' clock with a silent prayer. The welcome speech was delivered by HOD of Computer applications Dr. Leena C Sekhar. Then, Principal of our college Dr. Ajims P Mohammed delivered the presidential address. Then, Mr. Manoj Thrivikraman started his session. The talk was mainly for 2 hours. He talked about new technologies and development and gave helpful informations for students while enquiring for jobs. The session was informative. Through the session the students got many ideas about benefits of learning software testing/data analytics. Later they interacted with the resource person. The programme

concluded with vote of thanks delivered by coordinator Dr. Shereena V B and the feedback given by students.



Coordinator : Dr. Shereena V B, Assistant Professor in Computer Applications

Joint coordinators:

Dr. Sheeba K H, - Assistant Professor, Department of Business Administration

Dr. Rashmi P -Department of Psychology

Dr. Nisha P -Department of Biosciences

Dr. Fousiamol M M -Department of Chemistry