

MES COLLEGE MARAMPALLY

Research Promotion Council

Report 2021-22

The College has a **Research Promotion Council (RPC)** that aims to promote and coordinate research activities across disciplines like Science and Technology, Languages, Humanities, Social Sciences, and Physical Education. RPC encourages the faculty to conduct research in their respective field and share knowledge between them and the student community. RPC tries to create passion among the students and faculty members for research and innovation. We also provide a platform for the students and faculty members to present their academic findings via monthly paper presentation sessions and publish the articles in the FORTIS journal. **FORTIS is a multi-disciplinary, peer-reviewed print research journal bearing International Standard Serial Number (ISSN) 2320-6989.**

Monthly Paper Presentation Series:

- To promote research activity among students and staff, we are conducting monthly paper presentations of students/faculty.
- The presentations were evaluated by two faculty experts and the review and suggestions for further improvement were given by them.
- So far, we have conducted five paper presentation series from August 2021.
- Altogether **22 presentations were done, which included 19 student presentations and three faculty presentations.**

Paper Presentation – Series I: 12 August 2021 @ 10.30 am

Introductory Speaker: Dr. Rafeekamol C A, Head, Department of Commerce, MES College Marampally

Paper Presentations:

1. Evolution of Identity: A Feminist Reading of K.R. Meera's Hangwoman – Roshni Francis, Student, II MA English, MES College Marampally
2. Effect of gut microbiota on mental health -- Nafiza Ourangasib, Student, III BSc Microbiology, MES College Marampally
3. Globalization and its impact on Labour Welfare in India -- Aardhra Warriar and Afna M M, Students, II MHRM, MES College Marampally
4. A study on the effect of atmospheric aerosols on cloud formation -- Hanna K H, Student, II MSc Physics, MES College Marampally
5. Artificial Intelligence in Gadgets -- Akash and Nikhil, Students, II BVoc. SDSA, Department of Software Development & System Administration, MES College Marampally

6. CRISPR/cas9 edited Zebrafish - Cutting edge tool in drug development -- Mr. Rafeeq C M, Assistant Professor, Department of Biosciences, MES College Marampally

Review on paper presentations

1. **Dr. Rafeekamol C A**, Head, Department of Commerce, MES College Marampally
2. **Dr. Nisha P**, Assistant Professor, Department of Biosciences, MES College Marampally

Paper Presentation – Series II: 23 September 2021 @ 10.30 am

Introductory Speaker: Dr. Julie M David, Assistant Professor, Department of Computer Applications, MES College Marampally

Paper Presentations

1. Preparation & Characterization of Copper Indium Oxide Thin Film by Thermal Evaporation Method -- Najia K Nasarudeen, Student, II MSc Physics, MES College Marampally
2. Adventure Tourism -- Fathehath Muhammed, Student, BVoc TAH, Department of Tourism Administration and Hospitality, MES College Marampally
3. Antimatter as a Fuel: An Overview -- Rishikesh Babu, Student, II MSc Computer Science, MES College Marampally
4. A Study on Textile Scrap Management at Textile Shops and Tailoring Units under Perumbavoor Local Governing Body -- Juvariya and Jishnu M B, BVoc. FDM, Department of Fashion Design and Management, MES College Marampally
5. Li-Fi - Wireless Optical Networking Technology -- Archana Aviyan, Student, II MSc Electronics, MES College Marampally
6. Influence of VFX in Modern Industry (Film) -- Helen Joshy and Issac Thomas George, Students, BVoc AGD, Department of Animation and Graphics Design, MES College Marampally

Review on presentations

1. **Dr. Julie M David**, Assistant Professor, Department of Computer Applications, MES College Marampally
2. **Dr. Susan Varghese**, Assistant Professor, Department of Psychology, MES College Marampally

Paper Presentation – Series III: 27 October 2021 @ 11.00 am (Offline)

Keynote Speaker: Dr. Manzur Ali P P, Principal, MES College Marampally

Paper Presentations:

1. Effect of Parenting Style and Emotional Intelligence of Parents on the Self-Esteem of Children - Fathima Mony M.S, Student, 3rd semester MSc Psychology, MES College Marampally
2. Responsible Tourism: A case study of Kumarakom -- Muhammed Rafi K S and Fathehath Muhammed, Students, 3rd semester B Voc Tourism Administration & Hospitality, MES College Marampally

3. Locus of Control and Spiritualism in Children of Alcoholics and Non-Alcoholics -- Fathimathu Swaliha, Student, 3rd semester MSc Psychology, MES College Marampally
4. Employment impact of pandemic: with special reference to COVID 19 crisis in Ernakulum District -Ansiya P A, Assistant Professor, Dept. of Commerce, MES College Marampally

Review on presentations

1. **Mr . Ahamed Jimshad K**, Assistant Professor, Department of Business Administration, MES College Marampally
2. **Ms . Neenu Joseph**, Assistant Professor, Department of Logistics Management, MES College Marampally

Paper Presentation – Series IV: 26 November 2021 @ 11.00 am (Offline)

“Walk Your Way to Academic Excellence: A Dialogue on Research and Development” -- Sharing of Research Experience : Dr. Benjamin Hudson Baby, Assistant Professor, Department of Physics, MES College Marampally

Paper Presentations:

1. 3D Printing Technology - Subhana Noushad & Sudhi Suresh, Students, B Voc Software Development and System Administration, MES College Marampally
2. A study on behaviour of structural and Multiferroic properties of rare earth substituted Manganites – Ms. Taniya Pearl E R, Assistant Professor, Department of Physics, MES College Marampally
3. Shrimp lectin (Md-Lec) conjugated copper sulfide nanoparticles enhances immune response and gene expression in *Etroplus suratensis* infected with *Aeromonas hydrophila* -- Dr. Rubeena K A, Assistant Professor, Department of Biosciences, MES College Marampally

Review on presentations

1. **Dr. Benjamin Hudson Baby**, Assistant Professor, Department of Physics, MES College Marampally

Paper Presentation – Series V: 22 December 2021 @ 1.30 pm (Offline)

“Walk Your Way to Academic Excellence: A Dialogue on Research and Development” -- Sharing of Research Experience: Dr. Amisha Antony, Assistant Professor, Department of Tourism Administration and Hospitality, MES College Marampally

Paper Presentations:

1. Green Logistics & Sustainable Development - Shafas Ali, Student, B Voc Logistics Management, MES College Marampally

2. Tracing the Patterns of Gender Roles Depicted in Superhero Movies: A Case Study on 'Superman' and 'Batman Returns' – Fatima Marium Faisal, Student, 3rd Semester MA English, MES College, Marampally
3. The Covid Shift in Business: A Case Study -- Lakshmi Biju, Student, Department of Business Administration, MES College Marampally

Review on presentations

1. **Dr. Amisha Antony**, Assistant Professor, Department of Tourism Administration and Hospitality

International Conference on Humans and Technology: A Holistic and Symbiotic Approach to Sustainable Development (ICHT 2022) during January 17-22

An International Conference on Humans and Technology: a Holistic and Symbiotic approach to Sustainable Development (ICHT 2022) was held at MES College Marampally from January 17, 2022- January 22, 2022. The main aim of the conference was to bring together academicians and researchers to share the acme of scientific knowledge in different disciplines viz **Computer Science and Applications, Electronics and Instrumentation, Life Sciences, Physical and Mathematical Sciences, Humanities, Social Sciences, and Physical Education**. ICHT2022 presents an open forum for scientists, academicians, researchers, engineers, industry experts, analysts, business managers and practitioners, and students to exchange the latest innovations and research advancements in various areas. It will be a unique platform offering deliberations on multiple dimensions of Innovation, Technology, Management, and Humanity.

The six days International Conference was inaugurated by the Hon'ble Vice Chancellor of MG University Prof. (Dr.) Sabu Thomas on 17th January 2022 at 9.30 am. After the official inauguration, the Book of Abstracts was released by Adv. A A Abul Hassan, Secretary of College Managing Committee.

This was the first international conference hosted by MES College Marampally, incorporating all the departments of the college. The conference was divided into seven tracks, namely **Computer Science, Electronics, Life Sciences, Physical and Mathematical Sciences, Humanities, Social Sciences, and Physical Education**, which were held simultaneously on the Zoom platform, owing to the current pandemic situation.

In total, we had 19 keynote speeches by eminent speakers from various institutions all over the world and about 50 paper presentations.

The closing ceremony of the six days International Conference was inaugurated by the Hon'ble Vice Chancellor of the National University of Advanced Legal Studies (NUALS), Prof. (Dr.) K C Sunny on 22 January 2022 at 2.00 pm. The function was presided over by Dr. Jasmine P M, Principal of MES College Marampally. Ms. Jaseena K U, Organizing Secretary of ICHT 2022 presented the report of the programme. Best paper awards were announced during the function.

ICHT 2022 has helped renew focus and attention on the importance of Sustainable development and how technology and humans have to carefully plan and implement revised courses of action for its survival and existence in the times ahead.

Webinar on “Art of Writing a Research paper” on 03 August 2021 @ 3 pm via Google meet

Resource Person: Dr. Jasmine P M, IQAC Coordinator, HOD, Department of Electronics, MES College Marampally

- Dr. Jasmine P M delivered a talk on Art of Writing a research paper. She mentioned about the role of research in an academic institutions. Quality research leads to quality teaching and learning process in the classroom. She explained the various stages of research paper writing and how the quality of a paper can be improved. The presentations were done online via Google meet. The PG students from various departments attended the programme.

Multidisciplinary national paper Presentation Competition on 3 November 2021 at 9 am via Google meet

- “NIPUNA 2021”- the paper presentation competition organized by the Department of Business Administration in association with the Research Promotion council of MES College Marampally. A very relevant topic is selected as the theme of this competition. The transformation to sustainability encourages researchers to address the interconnections between science and society and also between the natural and human systems. Also, the social changes are accompanied by sustainable development for ensuring their utility in the future.

Students Projects

- KSCSTE has sanctioned two student projects **Ms. Rasiya Kareem and Ms. Sajeena** of the Biosciences Department.

POWER Projects to SERB

- **Dr. Raphika P M**, Associate Professor, Department of Electronics, and **Dr. Julie M David**, Assistant Professor, Department of Computer Applications submitted proposal for SERB POWER (Promoting Opportunities for Women in Exploratory Research)

Research Projects to KSCSTE

- **Dr. Julie M David**, Assistant Professor, Department of Computer Applications, submitted a proposal for KSCSTE.

Constitution of RPC

Coordinator

Jaseena K U (Department of Computer Applications)

Members

Science

1. Dr. Mini K Paul (Department of Biosciences)
2. Dr. Benjamin Hudson Baby (Department of Physics)

Social Science

3. Dr. Sheeba K H (Department of Business Administration)
4. Dr. Rashmi P (Department of Psychology)

BVoc

5. Smt. Sajana K Muhammed (Department of Logistics Management)
6. Sri. Amal Saroj (Department of Industrial Instrumentation & Automation)
7. Smt. Ashika K A (Department of Software Development & System Administration)