**Report of**

**Research Promotion Council (2020-2021)**

## The research promotion council of MES Ponnani College is established to improve the quality of research and establish good climate for the research for both students and faculties in the college. The research in various fields of science and humanities subjects has to be improved to create highly academic achievements by partnering with research communities around the globe. The vision of the research promotion council is to promote contributions of faculties and researchers in the college to produce novel and groundbreaking outputs in concerned areas of research by sharing responsibility as a group of researchers. One of the most important functions of RPC is to engender the faculty abilities to obtain and manage research grants from various government bodies. As a college, the RPC has to take initiative to make awareness about the broadening of research into interdisciplinary areas. Another important mission of the RPC is to drive all the departments to conduct scientific and technical activities in the college like seminars, conferences, workshops and symposiums. Other missions are.

* Promotes the number and quality of research publications in peer reviewed high quality journals.
* Ensure the participation of faculties and researchers in the college in technical events.
* Create an outstanding environment for research in the college.

The year 2020-2021, the research in MES Ponnani College has turned into new directions and domain by considering the achievements in publishing articles, producing and achieving research degrees and number of research admission committees conducted and students admitted for PhDs. MES Ponnani College is currently having three research departments, the Department of Aquaculture and Fishery Microbiology, the Department of Geology, and the Department of Physics. MES Ponnani College is currently having three research departments, the Department of Aquaculture and Fishery Microbiology, the Department of Geology, and the Department of Physics. In the Department of Aquaculture and Fishery Microbiology, there are three research guides recognized by the University of Calicut, among three, one of research guides is an external faculty. During the year 2020-2021, two research advisory committee (RAC) meetings have been conducted, and six students were admitted for Ph.D. in this period department published four articles in international journals and two conference proceedings. In the period 2020-2021, one RAC meeting has been conducted by the department of and two students have been admitted for Ph.D. Three international publications and 18 conference proceedings have been produced by the department during the period. Department of physics, the research wing has been actively participated in publishing articles and presenting the papers in various conferences/seminars. Department of physics, the research wing has been actively participated in publishing articles and presenting the papers in various conferences/seminars. Five international publications and one pre-print has been published in the period with an aggregate impact factor of 12.1. Faculties and research scholars in the department presented papers in 4 international conferences and participated in 14 scientific-technical events. The materials science laboratory of the department of physics currently establishes personal collaboration with The Center of Excellence for Hydrogen and Renewable Energy, The Laboratory of Physics Vinca Institute of Nuclear Sciences, Belgrade, Serbia, and to establish this collaboration officially a bilateral project has been submitted to Department of Science and Technology, Govt of India. The collaboration with the Institute for Energy Technology (IFE), Oslo, Norway, Department of Materials Science, Madurai Kamaraj University, and school of pure and applied physics, Kannur university is also been sustained with mutual publications and student exchanges. Sabna. M received the best paper presentation award in the International Conference on Recent Trends in Theoretical and Applied Physics held at SN Kollam, Kerala for her presentation on the topic ‘Lattice Dynamics and Optical Characterization of V-NO Mutication Complex Compounds’. In 2020-2021, the department has conducted four RAC meetings and 9 students are admitted for Ph.D.

Three faculties were awarded with Ph.D. during 20-21, Dr Ameera V U, Assistant Professor of department of English was awarded with research degree on 12-07-2021 from University of Calicut. Dr Sameera Haneef, Assistant Professor of English department awarded with Ph.D on10-12-20 from University of Calicut . Dr. Thoufeeq Rahman Vazhakat, assistant professor of Arabic department awarded Ph.D. on 31-12-20 from Mahatma Gandhi University, Kottayam. Along with is various webinars and scientific technical events were also conducted by various the departments of college. The details of seminar/conferences/workshops and webinars organized by the various department of college are listed below during the year 2020-2021.

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| *Name of the department* | *Name of the Webinar/ Seminars/conferences/Workshops conducted (2020-2021)* | *Name and institute of the resources persons* |
| *Geology* | *Webinar - Mazha, Mala, Kadal*  *17th, 18th and 19th of August,2020* | *Dr. S. Abhilash, CUSAT*  *Dr.S. Sreekumar, Director, IRTC, Palakkad*  *Dr.K.V.Thomas, NCESS, Tvm* |
| *Gt Aide (Academy) Workshop*  *15th to 17th, March,2021* | *A.C.Dinesh,*  *P V.Sajesh,*  *N V Nisha (Director and Senior Geologists, Marine and Coastal Survey Division, Mangalore GSI)* |
| *English* | *Understanding Nonsense and Accidents: Théâtre, Theory and Making a Social Sense of a Pandemic ,25th June 2020* | *Dr N P Ashley, St. Stephens College, Delhi* |
| *Commerce* | *Webinar on Career Choices & Planning During Recession - 18th July, 2020* | *Mr. Diju Jose, Center Director, TIME Institute, Thrissur* |
| *Webinar on Professional Courses in Commerce - 9th September, 2020* | *Emmanuel Raju, Career Consultant, Logic School* |
| *Webinar on ‘The Career Master’ - 10th February, 2021* | *Midhun Anto Manjuran, Manager, Academic Relations, Accountants Academy, Edapal* |
| *Commerce* | *Webinar on ‘Excel in Your Studies’ - 27th February, 2021* | *Shri. Anish Mohan, IPCAI, Personal Transformation Coach, JCI International Award Winner* |
| *Chemistry* | *An International webinar on “Cholesteric Liquid Crystal Elastomers' 'was conducted by the Department of Chemistry on 4th February, 2021.* | *Dr. Rijeesh Kizhakidathazhath, Postdoctoral Fellow, Physics and Materials Research Unit, University of Luxembourg, Luxembourg was the resource person* |
| *Economics* | *International Webinar Series in Association with KSHEC ‘’ KEIZAI 2020-II’’ on 17 th -27 th August 2020.* | *Dr. Fazal Gafoor, President, MES,Dr.Maqbool, Jazan University,KSA, Prof. Imbichi koya, Dr. Krishnan Chalil, Dr. Gangadharan, Dr. Abdul Azeez, & Dr.Molly Kuruvila.* |
| *Union Budget Analysis on 05/02/2021.* | *Dr. Shyjan, Vice-*  *Chancellor, Malayalam University,Tirur.* |
| *State Budget Analysis on 18/01/2021* | *Mr. Mujeeb Rahman, Department of Economics, MES Ponnani College.* |
| *Physics* | *“REMOTE SENSING FOR SOCIETAL BENEFITS “1 st webinar of the webinar series MEET THE ALUMNUS: EXPLORING THE VISTAS OF PHYSICS on,10/22/2020* | *Sri. Jayaprasad. P, Scientist, Space Application Centre, ISRO, Ahamedabad, Gujarat* |
| *webinar on 2‘Exploring the vistas of physics’ Journey of Physics in the service of Mankind* | *Dr.M. M. Musthafa, department of Physics, university of Calicut.* |
| *Computer Science* | *Webinar on Database Hacking: Breaking into SQL Database on 10th June 2020* | *Mr. Abdul Ali, Founder & CTO of e-Hackify Cyber Security Trainings Ltd. Tirur* |
| *International Webinar on Study in UK : Choices and Possibilities on 18th June 2020* | *Mr. Raj Allam, Regional Manager, University of Law, UK.* |
| *Webinar on Penetration testing Modern Web Applications on 22nd June 2020* | *Mr. S. Sumesh, Senior Cyber Security Instructor of Red Team Hacker Academy Ltd, Calicut.* |
| *Webinar on Youth and Addictions: The Staggered Reality on 29th June 2020* | *Sri K. Ganesan, Resource Person, 'Vimukthi', Excise Department, Ponnani.* |
| *KSHEC sponsored Webinar on Importance of Data Science on AI & ML on 8th July 2020* | *Dr. Sreekanth D., Senior Knowledge Officer, ICT Academy of Kerala,Technopark Campus, Thiruvananthapuram.* |
| *KSHEC sponsored National Webinar on “Be The Best Version Of Yourself ” on 22nd August 2020* | *Dr. Karthiya Banu., Entrepreneur Communication, Soft Skill, Technical Trainer, Mentor, Motivational Speaker and founder of INSPIRE SOFTECH SOLUTIONS, Chennai.* |
| *Online Workshop on MOOC on 11th November 2020* | *Saleema K, Assistant Professor, Department of Computer Science, MES Ponnani College, Ponnani.* |
| *Project Orientation on Academic Projects & It’s Importance on 05th September 2020* | *Mr. LIKHIL T, Project Manager, Riss Technologies* |
| *Webinar on Advanced Academic Projects & It’s Technological Importance on 09th September 2020* | *Gopikrishnan, Grapesgenix Technical Solutions Pvt. Ltd., Thrissur, Kerala* |

Dr P Jayaram

Coordinator

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MES Ponnani College