

# DEVASWOM BOARD COLLEGE THALAYOLAPARAMBU

(Affiliated to Mahatma Gandhi University, Kottayam)

# CRITERION III

Research, Innovations and Extension

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#### **TOPIC: YOUTH AND MODERN SOCIETY**

Department of Commerce conducted a Seminar on 'The Role of Youth in Modern Society' on 16<sup>th</sup> July 2019. The speaker of the session was Mr. Binu Chandran, Youth Officer Vaikom. According to him the youth have a multitude of roles to play and are expected to advance the current technology, education, politics, peace of the country etc. They have the responsibility to renew and refresh the current status of our society including leadership, innovations, skills etc. Youth also has to maintain the culture, all good values in the societies, development projects etc. The speaker explained these responsibilities in a simple and effective way all through the session. The talk enabled the students to understand their role and to distinguish what is right and wrong for the benefit of the Nation. 64 students participated in this programme.



#### **SPECIAL LECTURE**

## TOPIC: GLOBAL ENVIRONMENTAL ISSUES: POLICIES AND CHALLENGES

A lecture on the topic 'Global Environmental Issues: Policies and Challenges' was jointly organized by Department of Botany and Breakthrough Science Society on 24<sup>th</sup> September 2019. The speaker of the session was Sri. PN Thankachan, Rtd. Faculty, RIT Pampadi, Kottayam. This was an interactive session which addressed the impact of environmental hazards on human society. The lecture benefitted the students and helped to inculcate a sense of environmental consciousness in them. 40 participants attended.



#### **TOPIC:** MADHAVI MADHAVAM

A state level seminar on 'Literary World of Madhavikkutty' was organized by the PG Department of Malayalam under the title '*Madhavi Madhavam*' on 24<sup>th</sup> September 2019. Dr. G Usha Kumari, famous critic and HoD, Department of Malayalam, KKTM Govt. College, Kodungallur inaugurated the seminar by reading relevant lines from literary works of Madhavikkutty. This was followed by a detailed analysis of Madhavikutty's literary world. Dr. R Anitha, Principal, Devaswom Board College presided over the function. Dr. Ambika A Nair, Associate Professor and HoD welcomed the gathering. Dr. B Padmanabha Pillai and Dr. S Lali Mol offered their felicitations. In the afternoon session, Dr. Geetha G Nair, HoD, NSS College Cherthala elaborated Madhavikkutty's world of poetry and its intricate beauty in detail. This was followed by thesis presentations of students. Dr. Manjusha expressed vote of thanks. 58 participants attended this state level seminar.



#### **TOPIC: CHANDRAYAN 2**

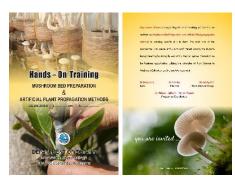
PG Department of Physics conducted a special lecture on the topic 'Chandrayaan 2' on 24<sup>th</sup> September 2019. The resource person was Prof. TN Thankachan, Associated Professor (Rtd), Rajeev Gandhi Institute of Technology, Pampadi, Kottayam. Dr. Ganeshchandra Prabhu V welcomed the dignitaries and delegates. Dr. R Jayapal delivered the presidential address. Dr. R Anitha, Principal, Devaswom Board College and Dr. G Harinarayanan, Assistant Professor, Department of Chemistry felicitated the gathering. The speaker delivered an informative talk about Chandrayaan -2 which was well appreciated. 45 participants attended the session.



#### WORKSHOP

### HANDS ON TRAINING STUDENTS ON MUSHROOM BED PREPARATION AND ARTIFICIAL PLANT PROPAGATION METHODS

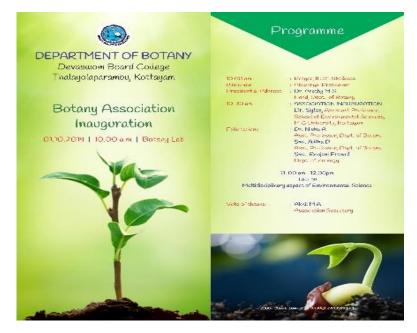
Department of Botany organized a workshop for students from other streams on 'Mushroom Bed Preparation and Artificial Plant Propagation Methods' on 26<sup>th</sup> September 2019. The students actively participated in the workshop where they learnt the concepts by direct exposure and practical experience. Mushroom bed preparation using different substratum was taught which helped them to have sufficient expertise to follow the procedure and use mushroom cultivation as a mode of income. Students were also taught the various budding, grafting and layering techniques. The sessions were handled by Dr. Arathy MS and Smt Ajitha D. 25 students attended the workshop.





## TOPIC: MULTIDISCIPLINARY ASPECT OF ENVIRONMENTAL SCIENCE

A state level seminar was organized by the Botany Association on 'Multidisciplinary aspect of Environmental Science' on 1<sup>st</sup> October 2019. The session was handled by Dr Sylas, Assistant Professor, School of Environmental Sciences, M G University, Kottayam. The main objective behind the conduct of the programme was to create an awareness among the students on the importance of environmental conservation and sustainable development. These topics are clearly envisioned in the curriculum for under graduate students of all disciplines. Through the talk, the speaker was able to inculcate the idea into the participants. 82 students attended the seminar and was benefitted from the programme.





#### **TOPIC: MASSIVE OPEN ONLINE COURSE**

A one-day seminar on Massive Open Online Course Development was organized by IQAC, Devaswom Board College in association with EMMRC Calicut on 15<sup>th</sup> October 2019. The seminar was structured into four technical sessions covering the major areas of content development. The inaugural session was presided over by the Principal Dr. R. Anitha and in her presidential address, she brought out the relevance of the seminar in the present age of technology. The seminar was inaugurated by the Honourable Vice Chancellor of M G University, Prof Dr. Sabu Thomas who commended on the college's earnestness in organizing such seminars. The keynote address on "Digital Learning", delivered by Sri. Damodhar Prasad, Director, EMMRC University of Calicut was truly enlightening. The official meeting ended with avote of thanks by Dr. Deepa C S, IQAC Co-ordinator. The first technical session was on scripting for E-content/ MOOC production where Sri. Sajeed N, Producer EMMRC was the speaker. This was followed by a session on Modelling the MOOC by Sri. Rajan Thomas. The first post lunch session was on DTH channels - Swayamprabha handled by Sri. Samjith N, Engineer, EMMRC and the final session dealt with different aspects of developing e-content for MOOC under swayam by the experienced course content developer, Smt. Linda, Assistant Professor, St Alberts College. 52 delegates benefitted from the seminar.





#### **TOPIC: DIGITAL MARKETING**

A seminar on 'Digital marketing' was organized by Department of Commerce on 17<sup>th</sup> October 2019. The seminar was conducted in two sessions; each session was of ninety minutes duration. Dr. S Beena, HoD, Department of Commerce welcomed the Resource persons and participants. The first session was handled by Mr. Arun A who elaborated about the introduction of Digital Marketing domain and the necessity of digital marketing in current competitive world. In this session, he gave a clear idea about the concept of marketing and marketing of products and services using digital technologies. He discussed various digital marketing techniques which are currently being used by the industry to sell products and services.

The second session was delivered by Mr. Vishwanath who discussed about analytics used to maximize sales. Analytics is used to find out the potential customers and to find out where marketing is successful and also to find out reasons for failure. The session was concluded with a Q& A Session. 78 participants attended the sessions which included the faculty of Commerce Department.



#### **TOPIC:** *VIDHYARTHIKALILE LAINGIKA VIDHYABHYASAM*

In association with the inauguration of Vanitha Vedhi a session on Sex education entitled '*Vidhyarthikalile Laingika Vidhyabhyasam*' (Sex education among students) was organized on 12<sup>th</sup> December 2019. The Speaker of the session was Ms Devikrishna, (Psychologist) who delivered an excellent talk on the topic. She explained the importance of sex education in the present scenario wherein students engage in sexual activities at a very early age without any knowledge about the risk factors associated. 35 participants attended the seminar.



#### **TOPIC:** ASHANTE SEETHAYANAM

PG Department of Malayalam and Pala Narayanan Nair Memorial Trust jointly organised a seminar entitled '*Ashante Seethayanam*' on 17th December 2019 commemorating the hundredth anniversary of '*Chinthavishtayaya Sita*'. Dr. Ambika A Nair welcomed the gathering. Dr. R Anitha, Principal, Devaswom Board College delivered the presidential address. Pala memorial trust secretary Sri Samji TV Puram inaugurated the seminar and delivered an informative lecture on the topic. Famous writer Mr. Mohandas Kudavachur offered his felicitations. Teachers and students from various department actively participated in the seminar. Students presented their papers in the afternoon session. 58 participants attended the session.



## TOPIC1: COPYRIGHT AND ACCESS TO INFORMATION TOPIC 2:CHANGING DIMENSIONS OF PATENT PROTECTION IN INDIA

#### **TOPIC3: PATENT FILING PROCEDURE IN INDIA**

IQAC organized a two-day seminar on Intellectual Property Rights in association with Govt Law College, Ernakulam on 17<sup>th</sup> & 18<sup>th</sup> December 2019. The inaugural session was presided by Dr. R Anitha, Principal, D B College and was inaugurated by Prof. Dr. Bismi Gopalakrishnan, HoD School of Indian Legal Thought & Syndicate Member MG University. Dr. Vijayakumar M, HoD Dept of Sanskrit delivered the vote of thanks. There were three technical sessions on the topics "Copyright and access to information: The need for a balanced approach", "Changing Dimensions of Patent protection in India" and " Patent filing procedure in India" which were handled by Dr. T R Agitha, Principal, Govt Law College, Ernakulam, Binu Poornamodhan. Associate Professor, Govt Law College Ernakulam and Ms Anjana Girish. 60 delegates attended which included faculty and students.





#### **TOPIC: THE PSYCHOLOGY OF FANS ASSOCIATION**

Department of English organized a seminar as part of the Sameksha lecture series on the topic 'The psychology of Fans association'. Famous scientist and award-winning writer Dr. Ethiran Kathiravan inaugurated the annual Sameksha Lecture series on 3<sup>rd</sup> January 2020. He delivered the first lecture in the series. 85 participants attended the seminar.



#### WORKSHOP

#### **PYTHON PROGRAMMING**

A one-day workshop on 'Python Programming' for first year M.Sc students was conducted by PG Department of Mathematics on 4<sup>th</sup> January 2020. Mr. Preenu CS, Assistant Professor, Department of Mathematics, University College, Thiruvananthapuram handled the sessions. 35 students were benefitted.



#### TOPIC: KAKKARISSI NATAKAM – PADAVUM PRAYOGAVUM

PG Department of Malayalam in collaboration with Kerala Folklore Academy organised a one-day seminar on the topic 'Kakkarissi Natakam – Padavum Prayogavum' on 15<sup>th</sup> January 2020. Dr. Raja Warrier, Director, College of Performing and Visual Arts, Kerala University inaugurated and delivered the keynote address. Dr. R Anitha, Principal, Devaswom Board College presided over the session. Dr. Ambika A Nair welcomed the gathering. Subsequently Kakkarissi Natakam performed by Vettur Sushilan and team was staged. Dr. Remya G introduced the programme and Dr. Manju V delivered the vote of thanks. 65 participants attended the seminar and was benefitted.

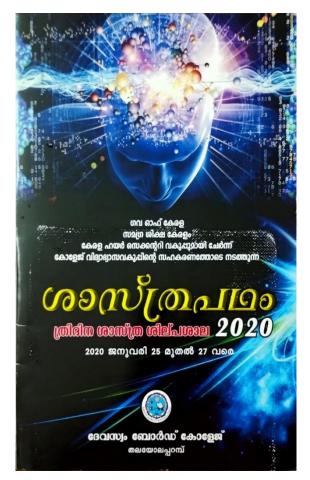


#### WORKSHOP CUM RESIDENTIAL CAMP

#### SASTHRAPADHAM

A three - day residential science programme SASTHRAPADHAM was conducted for selected plus one students from Govt and Aided schools in Kottayam district. The inauguration of the programme at Devaswom Board College, Thalayolaparambu was done on 25<sup>th</sup> January 2020 by Dr. K. A Thomas, Scientist D, Naval Physical and Oceanographic Laboratory, DRDO, Kochi. Smt CK Asha, MLA Vaikom Constituency who had agreed to inaugurate the camp could not do so owing to unavoidable and unexpected health issues.

The inaugural session was presided by Dr. Anitha R, Principal, Devaswom Board College and Syndicate Member, MG University. Dr. Nisha A, Programme Coordinator, Sasthrapadham wholeheartedly welcomed the gathering and the student participants in particular to the three- day camp. Dr. Ajith James Jose, District Coordinator, Sasthrapadham in a prelude to the programme elaborated on the vision and mission behind the conduct of this programme. 32 students participated in the programme. The Three day camp included lectures on physics, chemistry, biology and mathematics, lab sessions, interactive sessions, R&D visit to International interuniversity centre for Nano science and Nanotechnology and nature walk Valedictory function was scheduled on 27<sup>th</sup> January 2020. Dr. Aravindakumar, Pro VC, MG University delivered the valedictory address.





#### **TOPIC: HOW TO CRACK UGC EXAMINATION**

Department of English organized the lecture of the sameeksha series on 3<sup>rd</sup> February 2020. The session on the topic 'How to crack UGC Examination' was handled by Ms. Harsha Prince (Former student of the department and JRF holder). The speaker gave an elaborate account on the strategies to be adopted while preparing for UGC examination. It was well emphasized that, persistent hard work, dedication and indepth knowledge of the subject was vital for success in such competitive examinations. 30 participants attended the seminar.



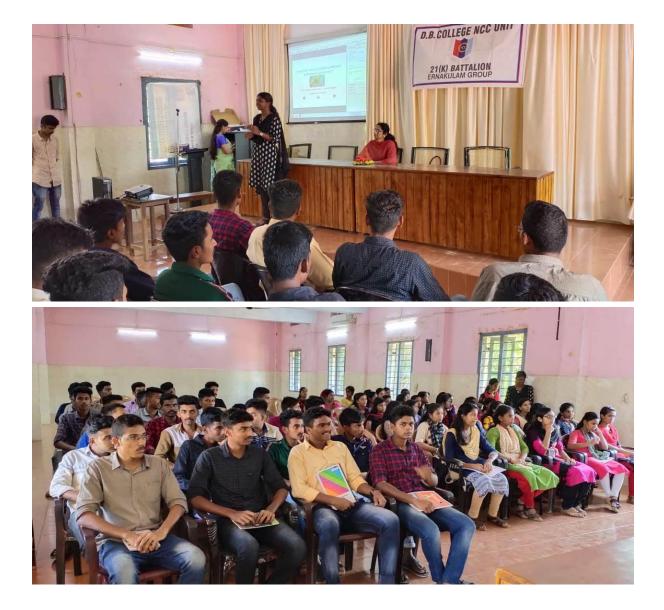
## TOPIC: TREND OF SUPPLY CHAIN LOGISTICS -TODAY AND FUTURE

A seminar on 'Trend of Supply Chain Logistics -Today and Future' was organized by Department of Commerce on 6<sup>th</sup> February 2020. Dr. S Beena, HoD, Department of Commerce welcomed the gathering. The resource person introduced his career background in the beginning, and later proceeded on to introduce the concept of supply chain logistics to the participants. He covered a range of necessary issues including individual and whole selforganization, emergency management, central control and autonomous distribution. The session was concluded with a Q& A Session. The seminar had 65 participants which included faculty members of Commerce department.



#### **TOPIC: COVID -19**

Devaswom Board College NCC unit organised a seminar on the topic 'Covid-19' on 7th February 2020. Doctors from Primary Health Centre, Thalayolaparambu handled the sessions which gave the participants a clear picture of the pandemic situation. The precautions to be taken to prevent the infection was also explained. The importance of frequent hand washing and use of sanitizers and face masks was also emphasized. 58 participants were benefitted.



## TOPIC: PORTS AND CULTURAL EXCHANGES IN ANCIENT KERALA

PG Department of Malayalam in association with IQAC organized a webinar in the Medha webinar series on 7<sup>th</sup> May 2020. The session entitled 'Ports and Cultural Exchanges in Ancient Kerala' was handled by Dr. Adarsh C, Assistant Professor, Sri Vivekananda College, Kunnamkulam. He analyzed the changes which happened to the ports of ancient Kerala and critically evaluated their role in cultural exchange. 90 participants attended.



## TOPIC 1: SAMAKALIKA MALAYALA STHREE KAVITHA TOPIC 2: POURASTHYA SAHITHYA NIROOPANATHINU ORAAMUKHAM

PG Department of Malayalam in association with IQAC Devaswom Board College organized a webinar series on 21<sup>st</sup> and 24<sup>th</sup> May 2020. The first webinar of the series entitled '*Samakalika Malayala Sthree Kavitha*' was delivered by Dr. Mini Alice, Associate Professor, Department of Malayalam, UC College, Aluva. The speaker explained how the problems faced by women in the society are reflected in the poems. 45 participants attended the session.

PG Department of Malayalam in association with IQAC organized a third webinar in the webinar series on 24<sup>th</sup> May 2020. The session entitled '*Porasthya sahithya niroopanathinoramukham* (An introduction to oriental literary criticism) was handled by Dr. Sreejith G, Assistant Professor, Malabar Christian College, Kozhikode. The session gave an indepth understanding about Oriental literary criticism. Important concepts like rasa, dhvani, etc. were explained in detail. The speaker elaborated on the topic by citing appropriate examples from Malayalam literature. The session was followed by a Q & A session wherein the participants interacted with the speaker. 52 participants including students and faculty attended the session.



#### **TOPIC: DOMINATION IN GRAPHS: THEORY AND APPLICATIONS**

As part of the Medha webinar series organised by IQAC of our college, PG Department of Mathematics organised a National level webinar on 'Domination in Graphs: Theory and Applications'. Dr. Aparna Lakshmanan, Assistant Professor, St. Xavier's College for Women, Aluva delivered the webinar on 23<sup>rd</sup> May 2020. Around 150 participants attended the session. The session was quite informative and was well appreciated by the attendees.



## TOPIC : *KALIDASA SAHITHYATHILE VAIDIKA CHINDAKAL*(VEDIC THOUGHTS IN KALIDASA LITERATURE)

PG Department of Malayalam in association with IQAC organized a fourth webinar in the webinar series on 25<sup>th</sup> May 2020. The session entitled '*Kalidasa sahithyathile vaidhika chindakal* (Vedic thoughts in Kalidasa literature) was handled by Dr. Vijayakumar CG, Registrar, Kavikulaguru Kalidaasa Sanskrit University, Nagpur. The session gave an overview of the vedic thoughts in the literary works of Kalidasa. The speaker elaborated on the topic by reciting the works on Kalidasa. The session was followed by a Q & A session wherein the participants interacted with the speaker. 78 participants attended the session. 85 participants attended.



## TOPIC: DIRECTED ASSEMBLY METHODS FOR THE RATIONAL FABRICATION OF FUNCTIONAL MATERIALS

PG Department of Chemistry organized an International webinar entitled 'Directed Assembly Methods for the Rational Fabrication of Functional Materials' on 25<sup>th</sup> May 2020. Dr. TP Vinod was the resource person. He delivered an enthralling lecture about growth of hybrid nanomaterials in solution and surface and also micromaterial assembly and growth. 45 students were benefitted by the webinar.



#### MEDHA WEBINAR

#### **TOPIC:** CYBERIDATHILE STHREE

PG Department of Malayalam in association with IQAC organized a webinar as part of the Medha webinar series on 28<sup>th</sup> May 2020. The resource person was Dr. Saradakutty S, renowned writer. She delivered a mind - blowing session on the topic '*Cyberidathile sthree*'. The speaker explained the role played by women on social media and related platforms. She elaborated on how media addresses women and their issues. The webinar was followed by an interactive session wherein the participants shared their experiences with the speaker. The webinar had 90 participants.



## TOPIC: DESIGN, SYNTHESIS AND DEVELOPMENT OF THERANASTICS (THERAPEUTIC PLUS DIAGNOSTIC) BASED PRODUCT WITH CURCUMIN OLIGONUCLEOTIDE-RARE EARTH METAL BASED NANOPARTICLE PROBES AS MRI CONTRAST AGENTS

PG Department of Chemistry organized an International webinar entitled 'Design, Synthesis and Development of Theranastics (therapeutic plus diagnostic) Based Product with Curcumin Oligonucleotide-Rare Earth Metal Based Nanoparticle Probes as MRI Contrast Agents' on 30<sup>th</sup> May 2020. The speaker of the session was Dr. Neha Kapoor who explained the use of curcumin conjugates as MRI contrast agents. 85 participants attended the webinar.

