



BISHOP MOORE COLLEGE

— MAVELIKARA —

NEWSLETTER 2022



NATIONAL INSTITUTIONAL RANKING FRAMEWORK
MINISTRY OF EDUCATION, GOVERNMENT OF INDIA



*I*t gives me immense joy to address you all through the Bishop Moore College Newsletter 2023. This being my first address as Principal, I am humbled as well as joyful to be connected thus with our College community. Bishop Moore College has risen to occupy its deserving position in the higher education arena by securing the 51st rank among the best 100 colleges in the country in the NIRF ranking 2023. This was possible because of the organic confluence of the efforts of all our stakeholders. A special word of thanks to all the IQAC, staff, students, parents, alumni and all well wishers for the wholehearted support. I acknowledge with gratitude the sincere efforts of Dr Jacob Chandy who has been Principal of our College for six years.

Our nation is passing through a tumultuous and turbulent period considering the ethnic and religious clashes in Manipur. Women are being raped and many are assaulted, insulted and killed. Considering the multi-lingual, multi-religious, multi-cultural and multi-faceted diversity of our country it is important to preserve and propagate high humanistic values to preserve the secular and democratic fabric of our country. In this context, higher education institutions have a very important role to play. They are to propagate the message of love and brotherhood among its countrymen. It is the bounden duty of any higher education institution to set high ideals of life and service to continuously strive to meet the emerging needs and challenges of our community.

The drastic changes in the higher education scenario driven by the New Education Policy 2020 are going to have a far-reaching impact on the future of our youth. The three year degree course is going to be a thing of the past. The four year undergraduate programme is all set to make its entry from the next academic year with the freedom to exit and enter at any point. The Post Graduate program is going to become a one year programme. A traditional Arts and Science college will soon have law, education, music, and various other new departments to make it more interdisciplinary in nature. I am confident that Bishop Moore College will be equipped well to adapt and conform to the emerging requirements of the changing scenario in the higher education sector.

I am sure that Bishop Moore College will continue to strain every nerve to do its role for the moulding of the next generation and the cause of higher education. Let us all realize our bounden roles and responsibilities on this road to excellence in the field of higher education. Lead kindly Light, so that we can move forward in this world of darkness!

Dr Ranjith Mathew Abraham
Principal

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

PATENTS

A sterling achievement of the Department of Chemistry was the award of patents. The details of the same is given below:

First patent of IPR centre, cusat

Invention : Crystalline Chitin Nanowhisker and their composites thereof

Patentee : University of Kerala

Inventors : Dr. Siji K Mary, Dr. Rekha Rose Koshy and Dr. Laly Pothan (2022)



Dr. Siji K Mary



Dr. Rekha Rose Koshy



Dr. Laly Pothan

Invention : Green route of acetylation

Patentee: Dr. Reshmy R, Mr. Vaisakh P H (2021)



Mr. Vaisakh P H



Dr. Reshmy R

RESEARCH PROJECT

The Department of Chemistry, Bishop Moore College, was granted a fellowship of Rs 50 Lakhs by Department of Biotechnology (DBT), Government of India. The College, in collaboration with Research Centre of Pushpagiri Institute of Medical Sciences, Tiruvalla, will develop India's first human milk based human milk fortifier for preterm infants. The fortifier will play a vital role in reducing the neonatal mortality which is significantly high in India due to the increasing number of preterm births. The fortifier can be used to supplement and enrich donor human milk by meeting the necessary nutritional requirement of preterm infants. Dr Tressia Alias Princy Paulose is the Principal Investigator of this project.



ERUDITE LECTURE FUNDED BY KSHEC

An erudite lecture was organized by the Department of Chemistry on 25 March, 2022. The speaker was Dr. Lynette Keeney, Royal Society-Science Foundation Ireland, University Research Fellow, Advances Materials and Surfaces Group, Tyndall National Institute, University College Cork, Ireland. The lecture was on the topic 'Memories are Made of This: My Journey Into the Development of New Multiferroic Materials'

Erudite Lecture by Dr. Lynette Keeney

DBT WEBINAR SERIES

An important initiative of The Department of Chemistry the DBT Webinar Series on Material Science. This Series was established with an objective to give an exposure to students and teaches across spectrum in the field of Material Science.

TALK ONE from 15 to 17 July 2020

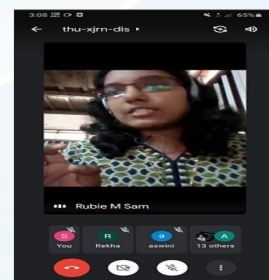
Talk Two from 19 to 21 August 2020

FACULTY DEVELOPMENT PROGRAMME

One Week Online Faculty Development Programme on **Instrumental Methods of Analysis** was hosted by the Department of Chemistry under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT scheme) of Ministry of Human Resources Development, Government of India in collaboration with Guru Angad Dev Teaching Learning Centre (SGTB Khalsa College, University of Delhi) of MHRD and St. John's College Agra from 7 to 13 October, 2020.

ONLINE TALK

A Talk on Mendeley Software by the Research Scholar, Ms. Rubie M. Sam was arranged on 12th December 2020. The topic was "Making Journal Referencing Simpler"



Talk by Rubie M Sam

PAPER PRESENTATIONS AT INTERNATIONAL LEVEL

- **Dr. Deepa Thomas** presented a paper in International Conference on 'Advanced Materials for Biomedical Applications' organised by the Department of Chemistry, Bharata Mata College, Thrikkakara, Kerala 2nd - 4th December 2020
- **Dr. Abha. K** presented a paper in International Conference on "Advanced materials for Biomedical Applications" organized by the Department of Chemistry, Bharata Matha College, Thrikkakara 2nd -4th December 2020.
- **Dr. Bessy Mary Philip** presented a paper on 'Synthesis, spectroscopic investigation and molecular docking studies of (6-Fluoro-2-oxo-2H-chromen-4-yl) methyl morpholine-4-carbodithioate' at International Conference on Recent Advances in Chemical Sciences ICRACS-2022 organized by Mahathma Gandhi College, Trivandrum from 10-11th March 2022 .
- **Dr. Siji K Mary** presented a paper on "Starch/ nanocellulose/anocomposite film with immobilised anthocyanin extracted from Hibiscus flower" at International Conference on emerging trends in Computational and Material Chemistry Research (ICCMCR-2020) organised by Department of Chemistry, Devasom Board College, Sasthamkotta, on 9th to 12th November, 2020.
- **Dr Rekha Rose Koshy** presented a paper on "Fabrication and Characterisation of Chitin Nanowhisker Reinforced Soy Protein Isolate Film for Packaging Applications" at International Conference on emerging trends in Computational and Material Chemistry Research (ICCM-CR-2020) organised by Department of Chemistry, Devasom Board College, Sasthamkotta, on 9th to 12th November, 2020.

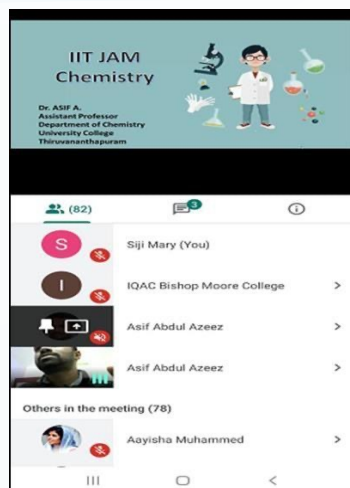
PREPARATION AND DISTRIBUTION OF HAND SANITISERS

During the recent pandemic crisis when the whole world was struggling to curb COVID 19, the Department of Chemistry of Bishop Moore College was actively involved in the in-house preparation of hand sanitizers following the WHO procedures and distributed the sanitizers to neighbouring police stations, Govt. Hospital, Mavelikara Jail, DD Office Kollam and supplied it to the people living in the vicinity of the College.



Preparation of sanitizer during covid pandemic crisis

ONLINE COACHING FOR JAM

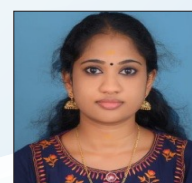


Online coaching for JAM 2021 was given by Department of Chemistry to the students of over 10 colleges under University of Kerala using Google Meet and YouTube videos. 117 participants had registered for the programme. Resource person was Dr Asif A, Assistant Professor, Department of Chemistry, University College, Thiruvananthapuram

Student Achievements



Ms. Ajmiya A
University Topper
BSc Chemistry-2020



Ms. Geethumol U
First Rank
MSc Analytical
Chemistry -2020



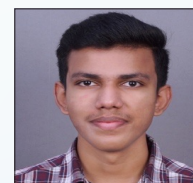
Ms. Megha Mohan
Sixth position
MSc Analytical
Chemistry -2020



Ms. Midhuna Unni
Seventh position
MSc Analytical
Chemistry -2020



Ms. Jomol
Tenth position
MSc Analytical
Chemistry -2020



Mr. Abhinand A,
BSc Chemistry (2018-2021 Batch) **Second prize** in Kathakali - University youth festival - 2020



Mr. Sherin Gee Varghese,
BSc Chemistry

Won **Silver medal** in Kerala University intercollegiate wrestling Championship – 2021

Won **Gold medal** in Kerala University intercollegiate wrestling Championship – 2022



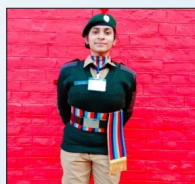
Ms. Manna Sara Thomas,
BSc Chemistry

Won **Bronze medal** in Kerala University intercollegiate wrestling Championship – 2022

Won **bronze medal** in Kerala state senior wrestling Championship – 2022



Ms. IndhuSubhash,
BSc Chemistry(2018-2021 Batch)
Kerala University intercollegiate Judo Champion



Ms. AkshayaPrakash,
BSc Chemistry(2020-2023 Batch)
Selected for Republic Day camp – Delhi 2022
Participated in Republic Day Parade - 2022



Ms. Lekshmi Raj,
MSc Analytical Chemistry (2020-2022 Batch)
Inspire Fellowship



Ms. AncyFebaRM,
MSc Analytical Chemistry (2020-2022 Batch)
*IAsc – INSA – NASI
Summer Research Fellowship*

YOUNG INNOVATORS PROGRAMME (YIP)

Young innovators programme (YIP) is a specially designed programme under Kerala Development and Innovation Strategic Council (K-DISC). The programme aims to empower future innovators to innovate new products, services or models to meet emerging requirements, unarticulated needs, or existing market needs of the society more effectively through an innovative challenge. Ideas from eight of our students got selected for YIP – 2021

Business Model Innovation and Future Technologies



Athira S.



Anusree A.

Modern Medicine and Biomedical Technology



Ragendu R.



Athira S.

Climate Change and Disaster Management



Shali S.



Surya P.

Animal Husbandry and Poultry



Parvathy R.

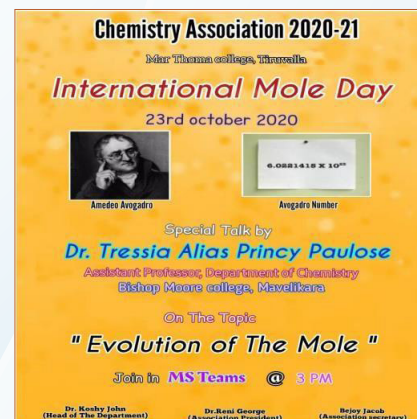
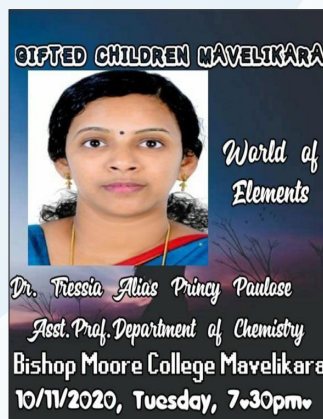


Athira Abraham



Jincy Varghese

- **Dr. Siji K Mary** - Coordinator of College Level Internal Examinations (2018 onwards)
- **Dr Tressia Alias Princy Paulose** - Institution Innovation Council (IIC) Coordinator, ARIIA Coordinator & Young Innovators Programme (YIP) Coordinator.
- **Dr Tressia Alias Princy Paulose, Dr. Priya Mary Abraham, Linda E Jacob** - Innovation Ambassadors
- **Dr. Deepa Thomas, Dr. Abha K, Dr. Tressia Alias Princy Paulose, Dr. Priya Mary Abraham** - YIP Mentors
- **Ms. Linda E. Jacob** served as the external question bank setter for an autonomous College.
- **Dr. Rekha Rose Koshy** won the best presentation award for International Conference on Emerging trends in Computational and Materials Chemistry Research organized by Research and Postgraduate Department of Chemistry and Polymer Chemistry of Kumbalathu Sankupillai Memorial Devasom Board College, Sasthamcotta on 9-12th November 2020.
- A talk on Serendipity in Chemistry via the Google Meet Platform was given by **Ms. Linda E. Jacob** as part of the Webinar series organized by the Department of Chemistry, St. Xavier's College, Thumba on 23rd March 2021
- A talk on World of Elements was given via the Google Meet Platform by **Dr. Tressia Alias Princy Paulose** for The Gifted Children programme for VIII, IX and X Std. students on 10th November 2020
- A talk on Evolution of the Mole was given via the Google Meet Platform by **Dr. Tressia Alias Princy Paulose** for The Chemistry Association of Mar Thoma College, Thiruvalla on 23rd October 2020.



INAUGURATION OF CHEMISTRY ASSOCIATION

CHEMA-2021

Chemistry Association Inauguration (CHEMA-2021) was held on 2nd November 2021 in online mode. The Resource Person was Dr Shyamchand S, Associate Professor, University College, Trivandrum. The topic of the talk was "An Overview of Medicines: Chemist's Perspective"



Chemistry Association Inauguration by Dr. Shyamchand S

CHEMA-2022

The activities of the Chemistry Association (CHEMA-2022) was inaugurated by Dr. Adharsh N, Assistant professor, Dept. of polymer Chemistry, Govt. College, Attingal on 27 th June 2022

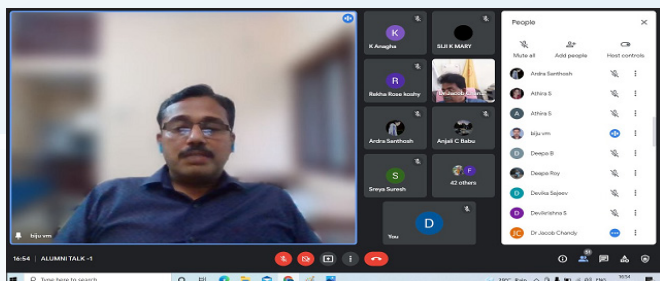


Inauguration of Chemistry Association by Dr. Adharsh N

ALUMNI TALK SERIES

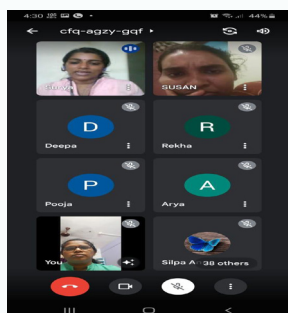
The Alumni talk series “My Journey Beyond Bishop Moore” is a unique initiative of the Department of Chemistry. The following talks were conducted as a part of the series:

- (i) Dr V M Biju (1995 – 1997 MSc Batch), Professor, NIT Trichy, 19th November 2021

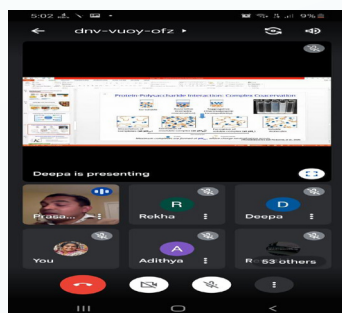


Talk by Dr V M Biju

- (ii) Ms. Soorya Sumakkuttan (2011-2014 BSc and 2014-2016 MSc Batch), Senior Research Fellow, NIIST Trivandrum on 24th November 2021



Talk by Soorya Sumakkuttan

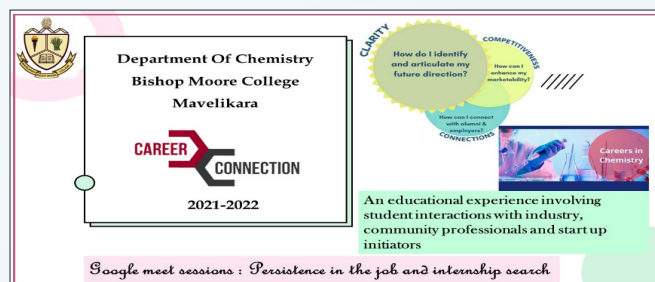


Talk by Dr. Prasanth S Pillai

- (iii) Dr. Prasanth S Pillai (2009-2011 MSc Batch), Post Doctoral Research Fellow, University of Saskatchewan, Canada on 8 th January 2022.

CAREER ORIENTATION CLASS

The Department of Chemistry organised a career orientation class “Career Connection” on 28th November 2021. The speaker was Ms Asha Nittu Benny, Technical Trainee, Quality Control, Baxter Pharmaceuticals, Gujarat. The topic of the talk was “Job Opportunities and Courses for MSc Chemistry Graduates.”



CERTIFICATE COURSE

The Department of Chemistry conducted a certificate course in Food and Water Quality Analysis for the academic year 2021-22. The course offered to UG and PG students commenced on 12-02-2022. The curriculum was designed to develop an awareness about food and water quality criteria and standards, and their relation to public health and environment and equip students with theoretical knowledge and practical skills in analysis of food and water quality parameters. Course coordinators were Dr Deepa Thomas and Dr, Tressia Alias Princy Paulose



The next certificate course was in soap making. The course was offered to the fourth semester degree and fourth semester PG students and commenced on 15-07-2022. The curriculum was designed to teach the foundations of soap making, to create awareness about the chemistry of different stages of soap making and give hands-on experience on soap making. Course coordinators were Dr Deepa Thomas and Dr.Rekha Rose Koshy.



ENSEMBLE 2022

"Ensemble 2022 – Connecting College to School" is a venture of the Department of Chemistry, Bishop Moore College, Mavelikara aimed at motivating the school students towards chemistry by fostering their chemical literacy. The programme intends to introduce the basic concepts in chemistry in an exciting and interesting way through experiments, demonstrations and role play.



Demonstration of chemistry experiments by Dr Tressia Alias Princy Paulose at St Johns High School, Mattom

OTHER EVENTS

Organised E Poster Competition on the Topic Chemistry for Sustainable Life on 31 st July 2022

Inter department Power Point Competition organised on the Topic "Contribution of Science and Technology towards freedom fight" on 12th August as the part of 75th Independence Day Celebrations.

STUDENT ACHIEVEMENTS



Ms. Ranjini S
First Rank
MSc Analytical
Chemistry -2021



Ms. Divyamol M
Third Rank
MSc Analytical
Chemistry -2021



Ms. Devika Rajan Pillai
Sixth Position
MSc Analytical
Chemistry -2021



Ms. Greeshma B Philip
Ninth Position
MSc Analytical
Chemistry -2021

PHD AWARDED



Dr. Siji K Mary

Title: *Development and characterisation of starch based composite materials*



Dr. Rekha Rose Koshy

Title: *Studies on Environmental friendly green composites based on Soy Protein*

RESEARCH, PUBLICATIONS - ARTICLES

1. **Siji K Mary, Merin Sara Thomas, Rekha Rose Koshy, Prasanth KS Pillai, Laly A. Pothan, and Sabu Thomas.** Adhesion in Biocomposites: A Critical Review. *Reviews of Adhesion and Adhesives*, 2020, ISSN 2168-0965, <https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119846703.ch11>
2. **Siji K. Mary, Jomol Daniel, Rekha Rose Koshy, Jijo Thomas Koshy, Laly A Pothan, Sabu Thomas,** Development of starch based intelligent films by incorporating anthocyanins of Butterfly Pea flower

and TiO₂ and their applicability as freshness sensors for prawns during storage, *RSC Advances*, 2020, ISSN 2046-2069, <https://pubs.rsc.org/en/content/article-landing/2020/ra/d0ra05986b>

3. **Thomas, Deepa, K. Kurien Thomas,** and M. S. Latha., Preparation and evaluation of alginate nano particles prepared by green method for drug delivery applications, *International journal of biological macromolecules*, 2020, ISSN 0141-8130, <https://www.sciencedirect.com/science/article/abs/pii/S014181302032746X>
4. **R. Reshmy, Eapen Philip, Shereley A. Paul,** Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, Ashok Pandey, Ranjna Sirohi, Nanocellulose-based products for sustainable applications-recent trends and possibilities, 2020, ISSN1572-9826, <https://link.springer.com/article/10.1007/s11157-020-09551-z>
5. K.B. Arun, Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, Ashok Pandey, **Reshmy R** and Ranjna Sirohi, Remodeling agro-industrial and food wastes into value-added bioactives and biopolymers, *Industrial Crops & Products*, 2020, <https://www.sciencedirect.com/science/article/abs/pii/S0926669020305379>
6. **Deepa Thomas, Megha S. Nath, Neethu Mathew, Reshmy R, Eapen Philip** and M.S. Latha; Alginate film modified with aloe vera gel and cellulose nanocrystals for wound dressing application: Preparation, characterization and in vitro evaluation, *Journal of Drug Delivery Science and Technology*, 2020, ISSN 1773-2247, <https://www.sciencedirect.com/science/article/abs/pii/S1773224720311837>
7. **Rekha Rose Koshy, Jijo Thomas Koshy, Siji K. Mary,** Sandeep Sadanandan, S. Jisha, and Laly A. Pothan, Preparation of pH sensitive film based on starch/carbon nano dots incorporating anthocyanin for monitoring spoilage of pork, *Food Control*, 2021, ISSN 0956-7135. <https://www.sciencedirect.com/science/article/abs/pii/S0956713521001778>
8. **Jayan, Sajitha S.,** Jitha S. Jayan, B. Sneha, and **K. Abha,** Facile synthesis of carbon dots using tender coconut water for the fluorescence detection of heavy metal ions, 2021, ISSN 2214-7853, <https://www.sciencedirect.com/science/article/pii/S2214785320390763>
9. **Reshmy R, Eapen Philip, Vaisakh P H, Shibin Raj, Sherly Annie Paul,** Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, Ranjna Sirohi, Arivalagan Pugazhendhi and Ashok Pandey. Developments of an eco-friendly biodegradable plastic from jack fruit peel cellulose with different plasticizers and Boswelliaserrata as filler. *Science of the total Environment*, 2021, ISSN 0048-9697, <https://www.sciencedirect.com/science/article/abs/pii/S0048969720378165>
10. **Reshmy R,** Aravind Madhavan, **Eapen Philip, Shereley A. Paul,** Raveendran Sindhu, Parameswaran Binod, Arivalagan Pugazhendhi, Ranjna Sirohi and Ashok Pandey. Sugarcane bagasse derived nanocellulose reinforced with frankincense (*Boswellia serrata*): Physicochemical properties, biodegradability and antimicrobial effect for controlling microbial growth for food packaging application, *Environmental Technology and Innovation*, 2021, ISSN 2352-1864, <https://www.sciencedirect.com/science/article/abs/pii/S2352186420316357>
11. **Reshmy R, Eapen Philip, Shereley A Paul,** Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, and Ashok Pandey; A green biorefinery platform for cost effective nanocellulose production: Investigation of hydrodynamic properties and biodegradability of thin films, *Biomass conversion and biorefinery*, 2021, ISSN 2190-6823, <https://link.springer.com/article/10.1007/s13399-020-00961-1>
12. **Reshmy R, Deepa Thomas, Eapen Philip, Shereley A Paul,** Aravind Madhavan, Raveendran Sindhu, Ranjna Sirohi, Sunita Varjani, Arivalagan Pugazhendhi, Ashok Pandey and Parameswaran Binod, Renewable lignocellulosic waste materials for sustainable bioplastic production, *Review in Environmental Science and Biotechnology*, 2021, 15691705, <https://link.springer.com/article/10.1007/s11157-021-09565-1>
13. **Reshmy R, Deepa Thomas, Eapen Philip, Shereley A Paul,** Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, Arivalagan Pugazhendhi, Ranjna Sirohi, Ayon Tarafdar and Ashok Pandey; Po-

- tential of Nanocellulose for wastewater treatment” *Chemosphere*, 2021, ISSN 0045- 6535, <https://www.sciencedirect.com/science/article/abs/pii/S0045653521012091>
14. **Reshmy R, Eapen Philip**, Aravind Madhavan, Raveendran Sindhu, Arivalagan Pugazhendhi, Parameswaran Binod, Ranjna Sirohi , Mukesh Kumar Awasthi, Ayon Tarafdar, Ashok Pandey; Advanced biomaterials for sustainable applications in the food industry: Updates and challenges, *Environmental Pollution*, 2021, ISSN 0269-7491, <https://www.sciencedirect.com/science/article/abs/pii/S0269749121006539>
 15. Raveendran Sindhu, Athulya Manju, Pooja Mohan, Rajendran Omana Rajesh, Aravind Madhavan, K.B. Arun, Sulfath Hakkim Hazeena, Anju Mohandas, Swathi Ponnusamy Rajamani, Anoop Puthiyamadam, Parameswaran Binod and **R. Reshmy** Valorization of food and kitchen waste: An integrated strategy adopted for the production of poly-3- hydroxybutyrate, bioethanol, pectinase and 2, 3-butane diol, *Bioresource Technology*, 2021, ISSN 0960-8524, <https://www.sciencedirect.com/science/article/abs/pii/S0960852420318915>
 16. **Reshmy, R., Philip, E.**, Sirohi, R., Tarafdar, A., Arun, K. B., Madhavan, A, Sindhu, R Nanobiocatalysts: advancements and applications in enzyme Technology, *Bioresource Technology*, 2021, ISSN 0960-8524, <https://www.sciencedirect.com/science/article/abs/pii/S0960852421008312>
 17. **Reshmy, R., Eapen Philip**, Aravind Madhavan, K. B. Arun, Parameswaran Binod, Arivalagan Pugazhendhi, Mukesh Kumar Awasthi, Edgard Gnansounou, Ashok Pandey, and Raveendran Sindhu. Promising eco-friendly biomaterials for future biomedicine: Cleaner production and applications of Nanocellulose, *Environmental Technology and Innovation*, 2021, ISSN 2352-1864, <https://www.sciencedirect.com/science/article/abs/pii/S2352186421005034>
 18. **Reshmy, R., Philip, E.**, Madhavan, A., Pugazhendhi, A., Sindhu, R., Sirohi, R., Binod, P. Nanocellulose as green material for remediation of hazardous heavy metal contaminant, *Journal of Hazardous Materials*, 2022, 3043894, <https://www.sciencedirect.com/science/article/abs/pii/S0304389421024845>
 19. **Reshmy, R., Philip, E.**, Madhavan, A., Sirohi, R., Pugazhendhi, A., Binod, P., Sindhu, R. Lignocellulose in future biorefineries: Strategies for cost-effective production of biomaterials and bioenergy, *Bioresource Technology*, 2022, ISSN 0960-8524, <https://www.sciencedirect.com/science/article/abs/pii/S0960852421015832>
 20. **Reshmy, R., T. A. P. Paulose, Eapen Philip, Deepa Thomas**, Aravind Madhavan, Ranjna Sirohi, Parameswaran Binod, Mukesh Kumar Awasthi, Ashok Pandey and Raveendran Sindhu. Updates on high value products from cellulosic biorefinery, *Fuel*, 2022, 1873-7153, <https://www.sciencedirect.com/science/article/abs/pii/S0016236121019323>
 21. **Reshmy, R., Deepa Thomas, Eapen Philip, Sherey A. Paul**, Aravind Madhavan, Raveendran Sindhu, Ranjna Sirohi Bioplastic production from renewable lignocellulosic feedstocks: a review, *Reviews in Environmental Science and Bio/Technology*, 2022, 1572-9826, <https://link.springer.com/article/10.1007/s11157-021-09565-1>
 22. Unni, Rekha, **R. Reshmy, M. S. Latha, Eapen Philip**, Raveendran Sindhu, Parameswaran Binod, Ashok Pandey, and Mukesh Kumar Awasthi. Enhancement of mechanical and thermal properties of *Ix-oracoccinea* L. plant root derived nanocellulose using polyethylene glycol-glutaraldehyde system, *Chemosphere*, 2022, ISSN 0045-6535, <https://www.sciencedirect.com/science/article/abs/pii/S0045653522008177>
 23. **Reshmy, R.**, Palanisamy Athiyaman Balakumaran, K. Divakar, **Eapen Philip**, Aravind Madhavan, Arivalagan Pugazhendhi, Ranjna Sirohi, Parameswaran Binod, Mukesh Kumar Awasthi, and Raveendran Sindhu. Microbial valorization of lignin: Prospects and challenges, *Bioresource Technology*, 2022, ISSN 0960-8524, <https://www.sciencedirect.com/science/article/abs/pii/S0960852421015820>
 24. **Reshmy, R.**, Aravind Madhavan, K. B. Arun, **Eapen Philip**, Raveendran Sindhu, Parameswaran Binod, Anoop Puthiyamadam, Mukesh Kumar Awasthi, and Ashok Pandey. Chili post-harvest residue-derived nanocellulose composite as a matrix for in vitro cell culture and *Hemigraphis colorata* blended nanocellulose extends antimicrobial potential, *Sustainable Chemistry and Pharmacy*, 2022, ISSN 2352-5541, <https://www.sciencedirect.com/science/article/abs/pii/S2352554121002114>
 25. Menon, P. Soumya, Jibi Kunjumon, Ayona K. Jose, P. A. Aleena, Manisha Bansal, G. Vinitha, Tuhin Maity, **Priya Mary Abraham**, D. Sajan, and Sajan D. George. Structural, Third Order Nonlinear and Magnetic Properties of Pristine and Ni-doped CuO nanoparticles: Diluted Magnetic Semiconductors. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2022, ISSN 0927-7757, <https://www.sciencedirect.com/science/article/abs/pii/S0927775722013371>
 26. **Philip, Bessy Mary**, Jerin Susan John, V. Shyni, Tintu K. Kuruvilla, **Tressia Alias Princy Paulose**, and D. Sajan. Vibrational spectra and molecular docking studies of bergapten isolated from *Melicope denhamii* leaves as anti-breast cancer agents, *Journal of Molecular Structure*, 2022, ISSN 0022-2860, <https://doi.org/10.1016/j.molstruc.2022.132656>
 27. **Mary, Siji K., Rekha Rose Koshy, R. Arunima**, Sabu Thomas, and Laly A. Pothen. A review of recent advances in starch-based materials: Bionanocomposites, pH sensitive films, aerogels and carbon dots. *Carbohydrate Polymer Technologies and Applications*, 2022, ISSN 2666-8939, <https://www.sciencedirect.com/science/article/pii/S2666893922000081>
 28. **Koshy, Rekha Rose, Arunima Reghunadhan, Siji K. Mary**, Sandeep-Sadanandan, Seno Jose, Sabu Thomas, and Laly A. Pothen AgNP anchored carbon dots and chitinnanowhisker embedded soy protein isolate films with freshness preservation for active packaging. *Food Packaging and Shelf Life*, 2022, ISSN 2214-2894. <https://www.sciencedirect.com/science/article/abs/pii/S2214289422000680>
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 30. **Koshy, Rekha Rose, Arunima Reghunadhan, Siji K. Mary**, Prasanth S. Pillai, Seno Joseph, and Laly A. Pothen. pH indicator films fabricated from soy protein isolate modified with chitin nanowhisker and *Clitoria ternatea* flower extract. *Current Research in Food Science*, 2022, ISSN 2665-9271, <https://www.sciencedirect.com/science/article/pii/S2665927122000570>
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 32. **Bessy Mary Philip**, Jerin Susan John, Merin George, K. Mahesh Kumar, Vinduvahini M, Hemanth Kumar HS, H.C. Devarajegowda, O. Kotresh, **Tressia Alias Princy Paulose**, D. Sajan. Synthesis, comprehensive spectroscopic investigation and molecular docking studies of (6-Fluoro-2-oxo-2H-chromen-4-yl) methyl morpholine-4-carbodithioate. *Journal of Molecular Structure*, 2022, 0022-2860, <https://doi.org/10.1016/j.molstruc.2022.133694>
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37. **Reshmy R**, **Eapen Philip**, Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, Sunita J Varjani, Mukesh Kumar Awasthi and Ashok Pandey. Bacterial nanocellulose: Engineering, Production and Applications, *Bioengineered*, November 2021. <https://doi.org/10.1080/21655979.2021.2009753>
38. **Reshmy R**, **Eapen Philip**, Aravind Madhavan, Ayon Tarafdar, Raveendran Sindhu, Parameswaran Binod, Ranjna Sirohi, Mukesh Kumar Awasthi and Ashok Pandey. Biorefinery aspects for cost-effective production of nanocellulose and high value-added biocomposites. *Fuel*, November 2021, <https://doi.org/10.1016/j.fuel.2021.122575>
39. Aravind Madhavan, KB Arun, Raveendran Sindhu, Anju Alphonsa Jose, Arivalagan Pugazhendhi, Parameswaran Binod, Ranjna Sirohi, **R. Reshmy**, Mukesh Kumar Awasthi. Engineering interventions in industrial filamentous fungal cell factories for biomass valorization. *Bioresource Technology* 344 (2022) 126209. <https://doi.org/10.1016/j.biortech.2021.126209>
40. Ranjna Sirohi, Sabeela Beevi Ummalyama, Narashans Alok Sagar, Pooja Sharma, Mukesh Kumar Awasthi, Prarabdh C. Badgujar, Aravind Madhavan, **Reshmy Rajasekharan**, Raveendran Sindhu j, Sang Jun Sim, Ashok Pandey. Strategies and advances in the pretreatment of microalgal biomass. *Journal of Biotechnology* 341 (2021) 63–75. <https://doi.org/10.1016/j.jbiotec.2021.09.010>
41. Ranjna Sirohi, Ayon Tarafdar, Vivek Kumar Gaur, Shikhang Singh, Raveendran Sindhu, **Reshmy Rajasekharan**, Aravind Madhavan, Parameswaran Binod, Sunil Kumar, Ashok Pandey. Technologies for disinfection of food grains: Advances and way forward, *Food Research International* 145 (2021) 110396. <https://doi.org/10.1016/j.foodres.2021.110396>

PUBLICATION OF BOOKS AND BOOK CHAPTERS

1. **Deepa Thomas**, *Biofilms: Engineering Approaches to Enhance Process Efficiency*, Springer, 2020, https://link.springer.com/chapter/10.1007/978-981-15-6868-8_3
2. **Deepa Thomas**, *Consumer Nanoproducts for Biomedical Applications*, Springer, 2021, https://link.springer.com/referenceworkentry/10.1007/978-981-15-6453-6_47-1
3. **Deepa Thomas**, *Application of nanoengineered materials for bioenergy production*, Elsevier, 2021, <https://www.sciencedirect.com/book/9780128224014/nanomaterials>
4. **Rekha Rose Koshy**, *Adhesion in Biocomposites: A Critical Review*, Wiley, 2021, <https://onlinelibrary.wiley.com/doi/book/10.1002/9781119846703>
5. **Tressia Alias Princy Paulose**, *Carbon Composites: Composites with Nanotubes, Nanomaterials, and Graphene Oxide*, Apple Academic Press, 2022, <https://www.appleacademicpress.com/carbon-composites-composites-with-nanotubes-nanomaterials-and-graphene-oxide/9781774912492>
6. **Tressia Alias Princy Paulose**, *Nanotechnology- Enhanced Solid Materials: Design, Synthesis, Properties, Applications and Perspectives*, Apple Academic Press, 2022 <https://www.appleacademicpress.com/nanotechnology-enhanced-solid-materials-design-synthesis-properties-applications-and-perspectives/9781774912201>
7. **Reshmy R**, **Eapen Philip**, Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod, Palanisamy Athiyaman Balakumaran and Ashok Pandey Book chapter titled “Potential utilization of fruit and vegetable wastes : an overview” in the book “Sustainable bioconversion of waste to value added products” Published by Springer Cham, April 2021. https://doi.org/10.1007/978-3-030-61837-7_11
8. **Reshmy R**, **Eapen Philip**, **Vaisakh PH**, Raveendran Sindhu, Parameswaran Binod, Ashok Pandey, Aravind Madhavan, Ranjna Sirohi and Ayon Tarafdar Book chapter titled “Biodegradable polymer composite” in the book *Biodegradable polymers and composites – process engineering to commercialization*” Published by Elsevier, May 2021. <https://doi.org/10.1016/B978-0-12-821888-4.00003-4>
9. **Deepa Thomas**, **Reshmy R**, **Eapen Philip**, MS Latha, Aravind Madhavan, Raveendran Sindhu, Parameswaran Binod and Ashok Pandey Book chapter titled “Carbon nanomaterials based nanocrystals for dental applications” modern in the book “Industrial Applications of Nanocrystals” published by Elsevier, April 2021.
10. **Reshmy R**, **Vaisakh P.H**, **Eapen Philip**, Parameswaran Binod, Aravind Madavan, Mukesh Kumar Awasthi, Ashok Pandey and Raveendran Sindhu Book chapter titled “Applications of bio-based composites in optical devices” in the book “Handbook of Bioplastics and Biocomposites Engineering Applications” published by Wiley-Scrivenner, March 2022.

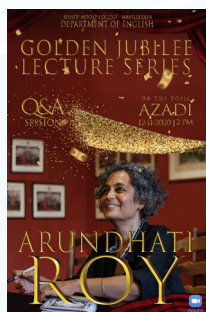
COURSES ATTENDED BY THE FACULTY

1. **Dr. Deepa Thomas** attended one week online National level Short Term Course in E- content Development organized by the IQAC, Milad-E-Sherief Memorial College Kayamkulam in collaboration with the UGC-HRDC, University of Kerala, Thiruvananthapuram from 24-09-2020 to 30-09-2020
2. **Dr. Deepa Thomas and Dr.Bessy Mary Philip** attended one week FDP on ICT tools in Teaching Chemistry organized by St. Teresa’s College (Autonomous), Ernakulum from 02-09-2020 to 06- 09-2020.
3. **Dr. Deepa Thomas and Dr.Tressia Alias Princy Paulose** attended one week E-Summer school on “Advanced Functional Materials for Energy Harvesting, Storage and Biomedical Applications” organized by the Department of Physics, Bishop Moore College, Mavelikara, in association with Kerala State Higher Education Council (KSHCE) from 13-05-2020 to 19-05-2020
4. **Ms. Silpa Anu Mathew** attended the Orientation Programme organised by Teaching Learning Centre, Ramanujan College, University of Delhi under the PMMMNMTT (PanditMadan Mohan Malaviya National Mission on Teachers and Teaching) Scheme of The Ministry of Human Resource Development (MHRD) from 01-09-2020 to 30-09-2020.
5. **Ms. Silpa Anu Mathew** attended online two week Interdisciplinary Refresher Course on “Research Methodology and Data Analysis” organised by Teaching Learning Centre, Ramanujan College, University of Delhi under the PMMMNMTT (PanditMadan Mohan Malaviya National Mission on Teachers and Teaching) Scheme of The Ministry of Human Resource Development (MHRD) from 17 -05-2021 to 31-05-2021.
6. **Dr. Tressia Alias Princy Paulose** attended the Orientation Programme organised by Teaching Learning Centre, Ramanujan College, University of Delhi under the PMMMNMTT (PanditMadan Mohan Malaviya National Mission on Teachers and Teaching) Scheme of The Ministry of Human Resource Development (MHRD) from 04-06-2020 to 01-07-2020
7. **Dr. Tressia Alias Princy Paulose and Bessy Mary Philip** attended two weeks MOOC course on “Online Learning and Content Development” organised by Fostering Linkages in Academic Innovation and Research (FLAIR), Directorate of Collegiate Education, Kerala, from 18-04-2020 to 02-05-2020
8. **Dr. Priya Mary Abraham** attended National online refresher course on Structural Analysis using Rietveld Refinement, Microscopic and Compositional Analysis organised by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi and St. John’s College, Agra; Bishop Moore College, Mavelikara; Catholicate College, Pathanamthitta; Sacred Heart College, Chalakudy & Christ College (Autonomous) Irinjalakuda under PMMMNMTT of Ministry of Education from 29-09-2021 to 13-10-2021.
9. **Dr. Priya Mary Abraham** completed Innovation ambassador training foundation level organised by Innovation cell, ministry of education and AICTE on 26-07-2022.

DEPARTMENT OF ENGLISH

GOLDEN JUBILEE LECTURE SERIES

- As part of the Golden Jubilee Lecture Series a Q & A on Azadi was conducted online with Arundhati Roy, the Booker Prize Winner and Activist on 12 November 2020. Select Participants from across the country interacted with the author.



WEBINAR

- A webinar on Cultural Studies and Visual Culture : An Introduction was conducted on 27 June 2020 as part of Curriculum Enrichment. Dr. Chandrima Chakraborty, (Director, Centre for Peace Studies, and Professor of English and Cultural Studies, McMaster University, Canada) served as the Resource Person.



CERTIFICATE COURSE

- The Department of English conducted two Certificate Courses titled Communication and Career Competency and Soft Skills for Employability. The online courses were of 30 hours duration, from 1 September to 18 September 2020. The objective of the courses was to assist students in honing their professional and personal skills so that they may become good team players and successful leaders. Interface with 14 experts from various walks of life was the highlight. The participants were awarded e-certificates on successful completion of the courses. The Course Coordinators were Ms. Ms. Sonia A and Ms. Ms. Asha Rachel George

BRIDGE COURSE

- Bridge Course for the new entrants to the First-Degree Programme in English Language and Literature was conducted from November 23 to December 7, 2021. The Duration of the Course was 15 hours and was conducted in the hybrid mode. The Course gave the students an understanding of the strategies to be adopted to become efficient learners and it also familiarized them with the different options open to them as graduates and postgraduates in English. The eminent Resource Persons who interacted with the students were Ms Indu BC, Head, Dept. of English, NSS College, Nilamel, Ms. Parvathy R, Asst Prof. Dept. of English, SD College, Alapuzha, Indu K Assistant Professor, Dept of English, SN College, Chemparhaethy, Ms Amrutha Mohan, Research Scholar, Mr. Shahin Akel, Novelist and Alumni of the Dept. Nanditha S and Aavani S. Dr. Nair Anup Chandrasekharan coordinated the course.

BISHOP MOORE COLLEGE
MAVELIKARA

BRIDGE COURSE
FOR THE FIRST SEMESTER STUDENTS
OF THE FIRST DEGREE PROGRAMME
IN BA ENGLISH LANGUAGE AND LITERATURE









The Department of English, Bishop Moore College, proposes to organise a 15 Hour Bridge Course for the first semester BA English students from 23rd November, 2021 to 7th December, 2021. The etymology of the word 'Bridge' suggests a transition and in this case, what is aimed at is facilitating a smooth transition of the beginners from Higher Secondary School to being fit candidates for Higher Education.

The course intends to sensitise the students on the niceties of the First Degree Programme in BA English Language and Literature and also give them an understanding of the strategies to be adopted to be efficient learners. Special attention would be paid to tackling the inhibitions and the diffidence that a good majority of the students of this region face as far as the English Language is concerned and offer them a solution to tackle the same.

The course would begin with an icebreaker session and then shift to sessions wherein different genres of literature would be introduced, career options after a literature course would be probed and the importance of non-verbal communication would be dwelt upon.

The bridge course would be inaugurated by Dr Jacob Chandy, Principal, Bishop Moore College, Mavelikara who would also offer the Presidential Address. Dr Anne Angelina Abraham, Head, Department of English would offer the welcome speech, Dr Ranjith Mathew Abraham, Vice Principal and IQAC Coordinator would offer felicitations, while Dr Nair Anup Chandrasekharan, Convener of the Bridge Course would coordinate the session. The course would be offered in the blended mode and eminent resource persons would interact with the students during this period.

Resource Persons

 Indu BC Head Department of English NSS College, Nilamel, Kollam	 Parvathy R Assistant Professor Department of English and Research Centre SD College, Alapuzha	 Indu K Assistant Professor Department of English SN College Chemparhaethy Thiruvananthapuram	 Leena Susan Koshy Principal Bishop Moore International School Soft Skills Trainer Mavelikara, Alapuzha
 Amrutha Mohan Research Scholar SN College, Kollam	 Shahin Akel Novelist Kozhikulam	 Nanditha S Alumnus and NET Holder Bishop Moore College Mavelikara	 Aavani AS Alumnus and NET Holder Bishop Moore College Mavelikara

Organising Committee

Dr. Jacob Chandy Principal Bishop Moore College, Mavelikara	Dr. Ranjith Mathew Abraham Vice Principal and IQAC Coordinator Bishop Moore College, Mavelikara	Dr. Anne Angelina Abraham Head, Department of English Bishop Moore College, Mavelikara	Dr. Nair Anup Chandrasekharan Convener of the Bridge Course Department of English Bishop Moore College, Mavelikara
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REMEDIAL TEACHING / LEARNING

- The Department initiated a Remedial Teaching/Learning Assistance for the socially and economically weaker sections of the society, the slow learners and the differently-abled learners of the College, to address the difficulties in General English. A voluntary initiative of the teachers of the Department the Remedial Coaching formally started from June 20, 2022 and is conducted outside regular class hours.



Mr. Premjith MR Inaugurating Remedial Teaching Initiative

MoU WITH ELTAI

- The Department of English and ELTAI (English Language Teachers' Association of India) signed a MoU for academic collaborations. A

one-day workshop on **Speaking Skills** was conducted for the students of the Department on 29 July 2022 in collaboration with EL-TAI, TVM chapter. **Ms. Shynu Philip**, Faculty, Christ University, Lavasa Campus, Pune was the resource person. The sessions focused on improving fluency, negotiation skills and group dynamics of the students.



Prof. Lal Handing Over the MOU to the Teachers of the Department



PUBLICATIONS

Books

- Nair Anup Chandrasekharan, *A Monograph on Michael Madhusudan Dutt and Toru Dutt*, ISBN 978-93-92481-27-7 Vedant Publications, Rajkot, 2022
- Nair Anup Chandrasekharan, Anej Somraj, Binal Kumar MR, *An Initiation into Communicative English and Soft Skills* ASAP, Higher Education Department, Government of Kerala, 2022



Pro-Vice Chancellor Prof (Dr.) .PP Ajaykumar accepting a Copy of the Book in with he had written a foreword. The book was co-authored by Dr. Nair Anup Chandrasekharan

- Anne Angeline Abraham (co-edited) *Quality Models in Open & Distance Learning*. Bodhi Tree Books and Publications, November 2020. ISBN 978-81-942668-8-4.
- Mr. Amith David (co-edited) *Global Voices and Culture*. OUP, 2020
- Divya S was the Guest Editor of (Special issue on Marxism) *Littcrit*. (December 2020, Issue 90, Vol. 46, No. 2) UGC Care List Arts and Humanities 161

MoU WITH SN COLLEGE

- An MoU was inked by the Department of English, Bishop Moore College, Mavelikara and the Research Department of English, SN College, Kollam.
- The Departments of English, Bishop Moore College and Sree Narayana College, Kollam have been engaged in various activities aimed at enhancing academic excellence. These exchanges have been on an informal and formal levels.
- Among the formal initiatives was a talk offered by **Dr Radhika**, Head, Research Department of English, SN College, Kollam on the topic "Spivak's Can the Subaltern Speak " on 20/11/2019 at the College Seminar Hall.
- A webinar was jointly organized by the Departments of English, Bishop Moore College and SN College, Kollam. The students of both the Departments joined online on 9th November, 2020 for the talk "Humanism to Posthumanism" offered by **Dr Nair Anup Chandrasekharan** of the Department of English, Bishop Moore College, Mavelikara.
- Dr Nair Anup Chandrasekharan**, Assistant Professor, Bishop Moore College, Mavelikara was invited to be the Resource Person to offer a talk on "Gender, Culture and Society" to the students of the Research Department of English, SN College, Kollam. The venue of the talk was the College Seminar Hall, SN College, Kollam and the date was 20th Sept. 2021.
- Dr. Radhika**, Head, Department of English, Research Department of English, SN College, Kollam once again visited Bishop Moore College, Mavelikara under the MOU inked between both the institutions and delivered a talk titled "Srilankan Literature and Shehan Karunatilaka" on 21/02/2022 at the College, Seminar Hall.

BOOK CHAPTER

- Anusha Das** "The Virtual Learning': Strategies to Improve LSRW Skills in the Time of COVID 19" *Higher Education After Covid 19: An Indian Perspective* published by Quality Books Publishers and Distributors, Kanpur, 2020. ISBN: 978-93-83637-9-1

UGC STRIDE PROGRAMME

- Dr. Nair Anup Chandrasekharan** engaged two sessions on 14th and 15th March, 2022 in the five day training session on "Basic Skills for Research: Enhancing Speaking and Writing Faculties" organised by UGC STRIDE project in association with the Department of English, Sree Sankracharya University, Kalady.

PLENARY LECTURE

- Dr. Nair Anup Chandrasekharan offered a Plenary Lecture in an International Conference titled 'Innovative trends in Language, Literature, Culture and E-education' organized by Parul University, Vadodara, Gujarat on 24th and 25th July, 2020.

INTERDISCIPLINARY LECTURE

- The Department organized an Interdisciplinary Lecture on the topic **Everyday Chemistry**. Dr. Tressia Alias Princy Paulose of the Department of Chemistry was the resource person.

READING CORNER

- An initiative was taken by the Department of English, to set up a Reading Corner at C.M.S.L.P School, Kallumala, Mavelikara. The programme was inaugurated on the 29th of August 2022 by handing over books to Binamma John, Headmistress of C.S.L.P School.



Prof Jacob Chandy and Mr. Amith David at the Inauguration of the Reading Corner

Plenary Speaker Dr. Sudhir Nilam Chairman, Board of Studies in English University of Mumbai, Mumbai, Maharashtra	Plenary Speaker Dr. Anup C. Nair Assistant Professor & Guide, Bishop Moore College, Mavelikara, Kerala	Plenary Speaker Dr. Anupam Nagre Principal, Gurukul Mahila Arts & Commerce College, Porbandar, Gujarat
Plenary Speaker Prof. Mandakini Bhattacharya Fakir Chand College University of Calcutta Diamond Harbour, West Bengal, India	Conference Convener Mr. Santosh Nair Sr. Director, Training, Placement & Career Development Cell, Parul University	Conference Co-Convener Dr. Om P Deshi Asst. Professor, Department of English Bhakra Rai Narayan Mehta U Junagadh, Gujarat
Coordinators		
Dr. Parthiv Patel Asst. Professor, Parul University (+91 9537370948)	Mr. Jatin Kapadiya Asst. Professor, Parul University (+91 7778099000)	
Registration Link: https://forms.gle/T3W6wGz31W3e2Jus7		
Email your abstract / full research paper: internationalconference@paruluniversity.ac.in		

Dr. Nair Anup Chandrasekharan – Plenary Speaker at the International Conference

KERALA LEGISLATIVE ASSEMBLY- LANGUAGE EXPERT

- **Dr. Nair Anup Chandrasekharan** served as an Anchor and a Language Expert at the Kerala Legislative Assembly for “The Power of Democracy-National Women Legislators’ Conference, Kerala- 2022” on the 26th and 27th of May, 2022.



Dr. Nair Anup Chandrasekharan at the Kerala Legislative Assembly



Mr. Chittayam Gopakumar, Deputy Speaker of Kerala Legislative Assembly

SESSION CHAIR

- **Dr. Nair Anup Chandrasekharan** chaired a session at the International Virtual Conference on ‘Literary Presentations and Sociological Perceptions of Old Age: Critical Deliberations’ organized by the Research Department of English, SD College, Alapuzha on January 27th and 28th, 2022.
- **Dr. Nair Anup Chandrasekharan** chaired a session at the International E Conference on Hundred Years of High Modernism organized by the Department of English, Christ College, Rajkot, Gujarat on Aug. 7, 2021.

RESOURCE PERSON

- **Dr. Nair Anup Chandrasekharan**, was a Resource Person for the Certificate Course in Communication Skills and Personality Development for the SC/ST students from the teaching departments of the University of Kerala, organised by the Institute of English, University of Kerala and delivered lectures on several topics on 30/07/2022, 31/07/2022, 06/08/2022, 07/08/2022 and 25/09/2022
- **Dr. Nair Anup Chandrasekharan** was the Resource Person for the four-day training the trainers programme ‘Open Sesame’ organized by ASAP, Govt. of Kerala, Thiruvananthapuram from 25/09/2021 to 28/09/2021
- **Dr. Nair Anup Chandrasekharan** was the Resource Person in the Teachers’ Training Programme organized for the teachers of Bishop Moore Vidyapith on 28th and 29th April 2022

INVITED TALK

- **Dr. Nair Anup Chandrasekharan** gave a talk on the topic “Approaching Language in a Literature Classroom” in a Webinar organised by the English Language Teachers’ Association of India (ELTAI), Rajkot Central, Gujarat on November 20, 2022.
- **Dr. Nair Anup Chandrasekharan** offered a talk on the topic “Communicative English” for the first year BTech students of Govt. Engineering College, Barton Hill, Thiruvananthapuram on 27th Oct. 2022.

- **Dr. Nair Anup Chandrasekharan** offered a talk titled “Musings on the New Education Policy: Heraldng Hope” and was also the Co-Convenor of the NAAC sponsored National Online Workshop on Teaching, Learning and Research in the perspective of NAAC RAF organised by Bishop Moore College, Mavelkara on 14th and 15th February, 2022.
- **Dr. Nair Anup Chandrasekharan** offered a talk titled “Try the Craft” in a training workshop titled “Praxis of Formal Writing” by Additional Skill Acquisition Programme, Govt. of Kerala on 07/05/2021.
- **Dr. Nair Anup Chandrasekharan** offered a talk on the topic “Background to the Postmodern Period” on 1st January, 2021. The talk was organized by the Alumni Association, Department of English and CLS, Saurashtra University, Rajkot, Gujarat.
- **Dr. Nair Anup Chandrasekharan** offered a talk on the topic “A Crash Course on Negotiating Silences and Sounds” in the Orientation Programme organized by MES Asmabi College, University of Calicut on 15th December, 2020

ASSOCIATION INAUGURATION

- **Dr. Nair Anup Chandrasekharan** Inaugurated the English Association at TK Madhava Memorial College, Nangiarkulangara, Alapuzha and conducted an interactive session on the topic “Demystifying Communication Skills” on 19th October



NATIONAL WORKSHOPS

- **Dr. Nair Anup Chandrasekharan** was a Resource Person at the National Workshop on Material Production for Communication Skills and Personality Development organised by the Institute of English, University of Kerala from 21 to 23 March, 2022.

- **Dr. Nair Anup Chandrasekharan** was the Resource Person in the two-day workshop on Curriculum Development for Advanced Communicative English Trainer Course on April 15th and 16th 2021 at ASAP Kerala Headquarters, Thiruvananthapuram.

INDUCTION PROGRAMMES

- **Dr. Nair Anup Chandrasekharan** served as the Resource Person for the Online Induction Programme organized by the IQAC, Sree Narayana College, Punalur, Kerala on January 31, 2021
- **Dr. Nair Anup Chandrasekharan** served as a Resource person in the 19th Annual ISTE (Indian Society for Technical Education) State Student Convention on 30th January, 2021
- **Dr. Nair Anup Chandrasekharan** served as the Resource Person for the Online Orientation Programme on the topic ‘Group Discussion and Interview Skills’ organized by the Career Guidance and Placement Cell, Bishop Moore College, Mavelikara on 22nd September, 2020.

PANEL DISCUSSION

- **Dr. Nair Anup Chandrasekharan** served as a moderator in a Panel Discussion held online on 2nd November, 2020 on the topic ‘LGBT+

Community-Social Inclusion and Equity” held as a part of the Campaign to empower LGBT+ Community of Kerala by the Kerala Chapter of National Youth Council of India.

- **Dr. Nair Anup Chandrasekharan** served as a Resource Person in the Panel Discussion on New Education Policy, 2020 on 13th August, 2020 organized as a part of the Two Day National FDP on ‘Need for Examination Reforms in Changing Scenario’ held online on 12th and 13th August, 2020.

ORIENTATION PROGRAMME

- **Ms. Sonia A and Ms. Asha Rachel George** participated in the Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” under PMMMNMTT, MHRD conducted by the Teaching Learning Centre, Ramanujan College, University of Delhi from 26th June to 24th July, 2020

REFRESHER/SUMMER/WINTER SCHOOL

- **Dr. Divya S** attended the online Humanities Summer School of Critical Theory and Philosophy 2021 conducted by University of Wales Trinity Saint David, Lampeter, UK in collaboration with SB College, Changanacherry from 2 to 31 July 21
- **Dr. Nair Anup Chandrasekharan** participated in a Refresher Course Sponsored by Ministry of HRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching at Ramanujan College, University of Delhi from July 02, 2020 to July 17, 2020

COURSES ATTENDED BY THE FACULTY

- **Dr. Anne Angeline Abraham** participated in the Faculty Development Programme (FDP) on *English Language Teaching & Research* by the Department of Languages & Communications, KCT, Coimbatore from May 17-23, 2021.
- **Dr. Anne Angeline Abraham** participated in the Faculty Development Programme (FDP) on *The Dynamics of Research: Prospects, Reflections and Best Practices*, IQAC St Xavier’s College for Women, Aluva & UGC-MHRD- STRIDE, Mahatma Gandhi University, Kottayam from July 1 -7, 2021.
- **Ms. Julie Thomas** participated in the Online FDP under PMMMNMTT of MHRD, held from 12th to 25th January 2021, conducted by Guru Angad Dev Teaching Learning Centre in collaboration with Bishop Moore College, Mavelikara and St. Johns College Agra.
- **Ms. Neethu Mary Philip** participated in the Online FDP under PMMMNMTT of MHRD, held from 12th to 25th January 2021, conducted by Guru Angad Dev Teaching Learning Centre in collaboration with Bishop Moore College, Mavelikara and St. Johns College Agra.
- **Dr. Anne Angeline Abraham** participated in the Faculty Development Programme (FDP) on *Reading: Back to Basics* organised by ELTAI & Sri Ramakrishna Engineering College, Coimbatore from August 23- 31, 2021.
- **Ms. Anusha Das** Participated in one-week Faculty Development Programme in ‘New Directions in Teaching -Learning’ conducted by St: Claret College, Bengaluru from 23-30 November 2020.
- **Ms. Anusha Das** attended a one-week Faculty Development Programme on ‘Implementation of Information and Communication Technology in Teaching’ conducted by KSHEC and School of Legal Studies, CUSAT from 18-24 September 2020.
- **Dr. Anne Angeline Abraham** participated in the Faculty Development Programme (FDP) on *Online Education in Higher Education Institutions* by the Faculty Development Centre of the KSHEC, Thiruvananthapuram from August 2-7, 2020.
- **Dr. Anne Angeline Abraham** participated in Faculty Development Programme (FDP) on *Research in Language & Literature* by KSHEC & Research Council, Ansar Arabic College, Calicut from August 10-14, 2020.
- **Dr. Vidu Vijayan** Two week Faculty Development Programme on

“Managing Online Classes and Co-Creating MOOCs” from July 25 to August 10, 2020 conducted by Teaching Learning Centre, Ramanujan College, under the aegis of MHRD.

- **Ms. Sonia A and Ms. Asha Rachel George** participated in the KSHEC sponsored FDP conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), from 3rd to 7th August 2020
- **Ms. Sonia A and Ms. Asha Rachel George** participated in the Online FDP under PMMMNMTT of MHRD, held from 27th to 31st July 2020, conducted by Guru Angad Dev Teaching Learning Centre in collaboration with Sanatan Dharma College, Ambala Cantt
- **Dr. Divya S** participated in an FDP on “Managing Online Classes and Co-Creating MOOCs 3.0” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of MHRD & PMMMNMTT from 25 July 2020 to 10 August 2020
- **Dr. Vidu Vijayan** participated in a One week Faculty Development Programme on “Implementation of Information and Communication Technology in Teaching” organized by School of Legal Studies, CUSAT and KSHEC from July 18-24, 2020.
- **Dr. Divya S** participated in the One week online FDP on “Implementation of Information and Communication Technology in Teaching” conducted by KSHEC & School of Legal Studies CUSAT from July 18-24, 2020
- **Ms. Anusha Das** attended one-week Faculty Development Programme in ‘Futuristic Trends of Language and Literature – Impact of 21st Century Learners’ conducted by SRM Institute of Technology, Chennai from 13-18 July 2020.
- **Ms. Anusha Das** attended a one-week Faculty Development Programme in ‘Higher Education During Covid Times and After: Challenges and Opportunities’ conducted by KSHEC and Bishop Moore College from 23-29 May 2020

AWARD

- **Dr. Nair Anup Chandrasekharan** received the Yuva Acharaya Award awarded by Bharat Excellence Awards for the year 2020-2021.

UNIVERSITY RANK

- Aiswarya M (2017-2020) secured the first position in University of Kerala for BA English Language and Literature.

NET/GATE

- **Haritha Venkitesh and Lakshmi T** (2019-21 Batch) cleared the NET in 2022
- **Mesy S John** (2018-20 Batch) cleared the GATE for Humanities in 2021.
- **Nanditha S** (2018-20 Batch) cleared the NET in 2021

OTHER STUDENT ACHIEVEMENTS

- **Akhil D Varghese (S6)** –Lead Speaker- Star of the Show- Young Speakers Forum- 2021
- **Aksa K Jose (S1)** First Prize State Level Online Essay Writing Competition in connection with Swachh Bharat conducted by SNPTC Kottiyam -2021
- **Vinny Achamma George (S1)** Second Prize- Vivekayanam Competition conducted by Sree Ramakrishna madaom Youth Group Thrissur – 2021
- **Vinny Achamma George (S1)** was awarded second place in the Dr. Sr. Redempta Memorial State Level Intercollegiate Essay Writing Competition organized by the Alumni Association (OSAX) of St. Xavier’s College for Women, Aluva during the academic year 2020-21

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

FACULTY DEVELOPMENT PROGRAMMES:

Two Week Interdisciplinary Online Faculty Development Programme on “Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis” was organized from 29 Sept to 13 Oct. 2021. The same was sponsored by Guru Angad Dev Teaching Learning Centre, Ministry of Education, Govt. Of India, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT). The programme was arranged through the online mode in joint collaboration with St. John's College Agra, Bishop Moore College Mavelikara, Catholicate College Pathanamthitta, Sacret Heart College Chalakudy and Christ College Irinjalkuda. The different sessions covered areas in material science and research. Each session was handled by experts in the particular field. On the inaugural day, the Chief Patron's address was given by Dr. Vimal Rarh, Project Head and joint Director GAD-TLC. The Keynote address was given by Prof. A. K. Bakshi, Vice Chancellor, PDM University, Haryana and the Chairman of GAD-TLC, MHRD.



Chief Patron Address by Dr. Vimal Rarhi

One Week Online Faculty Development Programme on “Research Ethics and Characterisation Techniques in Materials Science” was organised by the Department of Physics in association with Guru Angad Dev Teaching Learning Centre of MHRD and St. John's College, Agra (PMMMNMTT scheme) from 9-15 Sep 2020.



Prof. AK Bakshi Addressing the Audience

GAD TLC. Prof. S P Singh, Principal, St. John's College, Agra and Prof. Jacob Chandy, Principal, Bishop Moore College, Mavelikara, delivered the Guest of Honor addresses. Dr Susan Verghese P, IQAC

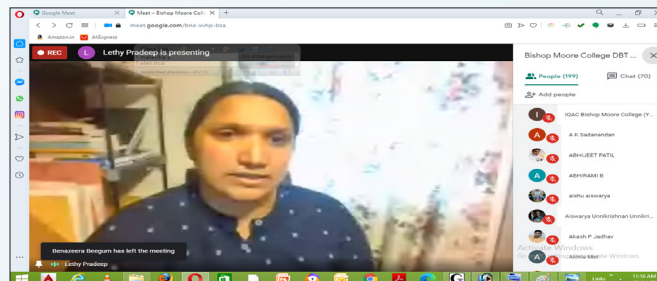
Coordinator, St. John's College, Agra, introduced the theme. Dr. Ranjith Mathew Abraham, IQAC Coordinator, Bishop Moore College, Mavelikara, offered words of felicitation. Dr. D. Sajan, Head of the Department of Physics, Bishop Moore College delivered the welcome speech and Dr. Lynnette Joseph proposed the vote of thanks. The resource persons of the other technical sessions were Prof. A. Sundaresan, Professor & Chair, Chemistry & Physics of Materials Unit, JNCASR, Bangalore and Dr. Madhu Chennabasappa, Assistant Professor, Department of Physics, Siddaganga Institute of Technology, Tumkuru. Sessions covered topics Crystal lattice, Qualx software. X-ray diffraction data analysis, peak search and profile fitting.

WORKSHOPS ON RESEARCH METHODOLOGY:

Under the convenorship of Dr. Lynnette Joseph, Department of Physics organized a series of five lectures under the DBT STAR Online Lecture Series on Characterization Techniques in Materials Science CTMS 2020.

The Inaugural lecture in the series was delivered by Dr. Kamaraju Natarajan, Assistant Professor, IISER, Kolkata on the Topic, “Ultrafast and Terahertz Spectroscopy: A wonderful tool in condensed matter Physics” on 26 June 2020.

The second online lecture in this series was organized on **11 July 2020** on the topic **“Neutron Diffraction: A Unique probe to understand magnetism in magnetic materials.”** The speaker for the second lecture was **Dr. Som Datta Kaushik**. Faculty member, Scientist F, at Mumbai Centre of UGC-DAE Consortium for Scientific Research,



Dr. Lethy K.J. Discussing the Topic

The third online lecture in this series was organized on **28th July 2020** on the topic, **“Emerging Solar Cell Technologies.”** The speaker for the second lecture was **Dr. Lethy K.J.**

The fourth online lecture in this series was organized on **29th July 2020** on the topic **“Principles and Applications of SEM”**. The speaker for the fourth lecture was Dr. Suresha S. J, Technology Manager, Centre for Nano Science and Engineering, Indian Institute of Science Bangalore.

The fifth online lecture in this series was organized on **30th July 2020** on the topic **“Principles and Applications of TEM”**. The speaker for the fifth lecture was Dr. Suresha S. J.

All the lectures in the series had attendees from globally acclaimed institutions like National Taiwan University, IIT Bombay, IIT Roorkee, IIT Madras, IIT Dhanbad, IIT Indore, CSIR NPL New Delhi, Delhi University, BHU, BARC, Central University of Karnataka, Bodoland University, Guwahati University and Telangana University,

CERTIFICATE COURSES IN ASSOCIATION WITH GAD TLC

Three certificate courses were conducted in association with Guru Angad Dev Teaching Learning Centre under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Ministry of Education, Govt. of India.

1. Certificate course on **“Entrepreneurship in LED Lighting Business”** was conducted from **17 September 2021 to 06 November 2021** for **30 hours** in hybrid mode. The hands-on session of LED Bulb fabrication was conducted at the laboratory of the Department of Physics.



Certificate Course on **“Soft Skills for Successful Career”** was conducted from 18 October 2021 to 28 February 2022 in the online mode

45 hours Online Certificate Course on **“Advanced Excel and Data Analysis using Excel”** was conducted from 24 November 2021 to 31 January 2022

PHYSICS ASSOCIATION "RESONANCE"

Inauguration of the Physics Association

The Physics Association for the academic year 2022-23 was inaugurated on 29 August 2022. The Inaugural Ceremony was presided over by the Principal of the College, Dr. Jacob Chandy. The Chief Guest of the day was Dr. Marina Aloysius, Head of the Department of Physics, Assumption College, Changanassery. She gave a talk on Probing the Atmosphere, Understanding Climate Change



Dr. Marina Aloysius offering the invited talk

Skill Enhancement Training Programme

Skill Enhancement Training Programme on Plant Propagation Methodologies was conducted on 30 August, 2022 at Bishop Hodges Higher Secondary School, Mavelikara. Ms. Revathy Prasad, Third year BSc Physics student who is also an entrepreneur conducted the Hands on Training session for the Class XII students.

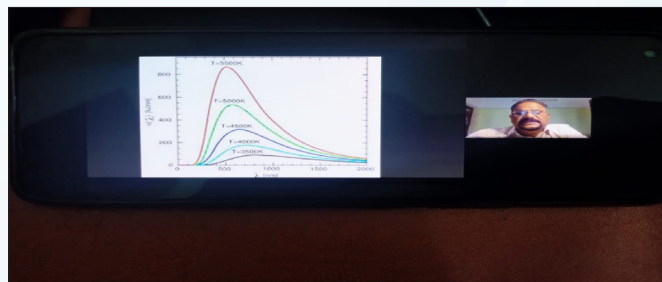


Ms Revathy Prasad training the students

Inauguration of Resonance 2021

The inauguration of Resonance 2021, the Physics Association for the academic year 2021-22, was held online on 14th July 2021.

The program was inaugurated by the Chief Guest Dr. Thomas Kuruvilla (Rtd. Principal, Bishop Moore College) who also delivered a talk. Dr. Jacob Chandy released the manuscript entitled *Photonics: A Versatile Key Technology for Future*, prepared by the students. The hand-written articles by the students, related to the field of Photonics, were compiled together in the form of a book by the Resonance team. Dr. Lynnette Joseph, Assistant Professor, Department of Physics, announced the winner of the Logo Design Competition.



Lecture given by Dr. Thomas Kuruvilla

Video of Thanu Padmanabhan

Thanu Padmanabhan, an Indian theoretical Physicist and Cosmologist of Kerala origin, died on 17 September 2021. A video was made by Ananthu S. voiced by Keerthi Madhu of final year BSc Physics, portraying the life and contributions of the scientist.

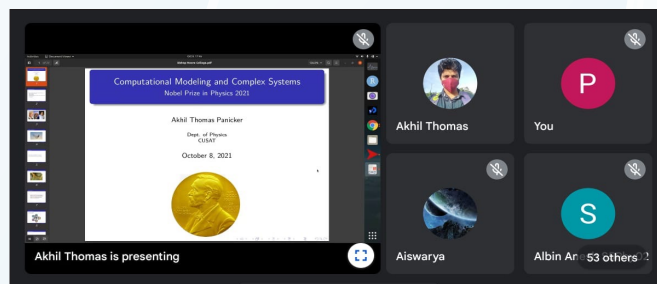


Space Week Celebration

Resonance organized an online event called *A Gaze at the Cosmos*, which included several competitions for enhancing student minds such as: (i) Space Quiz Competition (ii) Interschool Oratory Competition (iii) Interdepartmental Travelogue Competition (iv) Guessing Competition

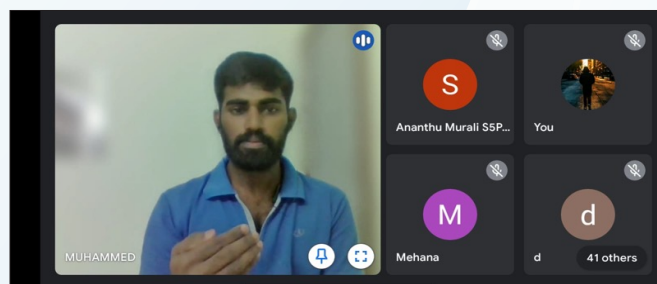
Lecture on Nobel Prize in Physics

Resonance organized an Online Lecture session on 8 October 2021 on the topic 'Computational Modelling and Complex Systems-Nobel Prize in Physics 2021' through Google Meet. The speaker, Mr. Akhil Thomas Panicker, is a PhD Scholar of Cochin University of Science and Technology and also an Alumnus of Department of Physics, Bishop Moore College Mavelikara.



Lecture on Research and Career Prospects in Physics

An Online Lecture was organized by Resonance 2021 during the International Week for Science and Peace on the topic *Research and Career Prospects in Physics* on 13 November 2021 through Google Meet. The session was taken by Muhammed Raees A. (Research Scholar, IISER Trivandrum and Alumnus of Department of Physics, Bishop Moore College).



Birthday Celebration of Sir Isaac Newton

The first of-line gathering of students, post covid, for a Resonance programme was organized on 7th January 2022, as part of Newton's 379th birthday celebrations.



A seminar on the topic '*Newton: The Man You Know, The Journey You Don't*' led by Pranav Pradeep of first year MSc course, was conducted at 12.15 pm on 7th January 2022 at e-learning room of Physics Department, for MSc and final year BSc students

National Science Day 2022

As part of celebrations of National Science Day, Resonance 2021 conducted a Poster Design and PowerPoint Presentation intercollegiate competitions for students, supported by the Academy of Physics Teachers Kerala and SPIE Student Chapter Bishop Moore College. The topic for the competitions was 'Integrated Approach of Science and Technology for a Sustainable Future', which was also the theme of National Science Day 2022. Dr. Jerin Susan John, was the coordinator of the NSD 2022 programmes.

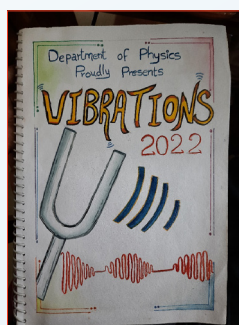
Awareness Class: Water Day

As an extension activity, *Resonance* organized a class for school students on 11 March 2022 to create awareness among young minds about the need for conserving water resources. Students from 2nd and 3rd year BSc Physics conducted classes for Upper Primary students of Bishop Hodges High School, Mavelikara on the topic 'Water: The Most Precious Life Source' on 11th March afternoon. Quiz was conducted for the students to make the program interesting and informative.



Valedictory Function

The programs of *Resonance* 2021 came to an end on 24th March 2022 with the valedictory function. Principal Dr. Jacob Chandy, delivered the presidential address and released the manuscript 'Vibrations'. The manuscript included the creative and artistic works of BSc and MSc students of the Department, along with some general articles.



Manuscript Release

Physics Association Resonance 2020



The inauguration of the activities of the Department of Physics for the academic year 2020-21 was held on 07 Sep 2020 on virtual platform (Google Meet) at 11.00 am Dr. Jayakrishnan R., Associate Professor, Department of Physics, University of Kerala delivered the inaugural address. The manuscript "Artificial Intelligence: The Future of Everything" compiled by the students with 66 articles on AI,

Machine Learning and Robotics, was released by the Principal Dr Jacob Chandy.

Bridge Course

Bridge Course for the first year BSc Physics students was conducted from 01-15 November 2021. Faculty of the Department of Physics conducted classes for the first-year students on various topics which are necessary for the understanding of the advanced areas that are dealt with in their BSc course.

Seminar on IPR:

On 16 March 2022, a seminar on IPR was organized by the Department of Physics in association with KSCSTE-IPRICK. The resource person was Ms. Lavanya Madhuri, NIPAM Trainer and Examiner of Patents and Designs in Intellectual Property Office, Chennai

Seminar on Scientific Writing: A seminar on Scientific Writing was led by Dr. R. Jayakrishnan, Associate Professor, Dept of Physics, University of Kerala on 13 Nov 2021

International Society for Optical and Photonics (SPIE) Student Chapter at Bishop Moore College Mavelikara

- Inauguration of SPIE Bishop Moore College Student Chapter** by Prof. Ramesh T. Subramaniam, University of Malaysia was conducted online on 18 November 2021.
- "Meet the Scholars" - Orientation Program for students** Meet the scholars program is an interactive session for UG/PG students and Research Scholars with former SPIE student members. On May 6, 2022 Dr. Unnikrishnan Sureshkumar, Research Scholar, Astronomical Observatory of the Jagiellonian University, Krakow, Poland gave a talk on "The Cosmic lenses" as part of the orientation programme.
- Interaction with a scholar:** An orientation programme was held in conjunction with the SPIE Bishop Moore College student chapter on 10/06/2022, which was led by the resource person Dr. Shree Ranjini Nair, Associate Professor of Physics,
- University of Incarnate Word, USA. The talk was on themes and research opportunities in optics.



Dr. Unnikrishnan Sureshkumar



Dr. Shree Ranjini Nair

FIELD VISIT

Study Visit to KMML

BSc final year students visited The Kerala Minerals and Metals Ltd, Kollam on 25 March 2022 as part of their study tour. The students visited the Mineral Separation Unit (MS) and Titanium Pigment Unit (TP) to understand the process of separation of the titanium ore from the coastal sand and also the titanium dioxide manufacturing processes.



PhD awarded from the Physics Research Centre:

Mr. JESBY GEORGE, Research Scholar of the Department of Physics, January 2021

Topic of PhD Thesis: "Synthesis, Characterization and Structure-NLO Property Relationships of Certain Organic Single Crystals"

Research Guide: Dr. D. Sajan



Merin George - PhD in Physics awarded in August 2022

Title of PhD Thesis: "Growth and Characterization of Aniline derivatives for photonic applications"

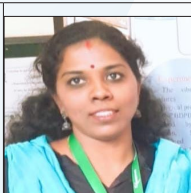
Research Guide: Dr. D. Sajan



Shyni V, Research Scholar of the Department of Physics, July 2022

Title of PhD Thesis: "Molecular Docking and Spectroscopic Investigations of Certain Diuretic Drug Molecules Using Density Functional Theory Computations"

Research Guide: Dr. Lynnette Joseph



Student Progression: Star Achievers

CSIR- NET/ JRF		
Name of the student	Course & Year of study	Exam Qualified
ASHISH GEORGE	B.Sc. Physics 2016-19	CSIR NET 2020
AKHIL M	M. Sc. Physics 2014-16	CSIR NET 2020
GATE		
Name of the student	Course & Year of study	Exam Qualified
JOTHISH RAJ J.	M. Sc. Physics 2018-20	GATE 2020
ARUNYA RAJ R	B. Sc. Physics 2015-18	GATE 2021
MEGHA MURALI	M. Sc. Physics 2016-18	GATE 2020
HEERA S	B. Sc. Physics 2014-17	GATE 2020
PhD & MS		
Name of the student	Course & Year of study	Exam Qualified
ASWATHY SUGATHAN	M. Sc. Physics 2017-19	Admission for MS in Ubingen University, Germany, 2021
POOJA R. NAIR	M. Sc. Physics 2016-18	Admission for PhD in UANL Mexico, 2021
JISHA JASMIN	B. Sc. Physics 2014-17	Admission for PhD at National University of Ireland, Galway, 2020
Indian Institutes		
JYOTHISH RAJ J	M. Sc. Physics 2018-20	Admission for PhD (JRF) at IIST, Thiruvananthapuram, 2021
MOHAMMED RAEES	B. Sc. Physics 2015-18	Admission for PhD at IISER Thiruvananthapuram, 2021
JAM		
Name of the student	Course & Year of study	Exam Qualified
BHAGYA S. BABU	BSc Physics 2018-21	JAM Exam 2021
HARIKRISHNAN U.	BSc Physics 2018-21	JAM Exam 2021
Institute of National Importance: M.Sc.		
Name of the student	Course & Year of study	Exam Qualified
BHAGYA S. BABU	B. Sc. Physics 2018-21	M. Sc. Physics at IIT Hyderabad
HARIKRISHNAN U.	B. Sc. Physics 2018-21	M. Sc. Physics at NIT, Jharkhand

NIRANJAN S.	B. Sc. Physics 2017-20	M. Sc. Physics at NIT, Warangal
SIDHARTH K.	B. Sc. Physics 2017-20	M. Sc. Physics at IIT, Palakkad
PRABHATH A.	B. Sc. Physics 2017-20	M. Sc. Physics at Central University of Kerala
ANJANA J. VADHYAR	B. Sc. Physics 2017-20	M. Sc. Meteorology at CUSAT, Kochi
HARSHA S	B. Sc. Physics 2017-20	M. Sc. Physics at Central University, Pondicherry
AARYA A	B. Sc. Physics 2016-19	M. Sc. Disaster Management at Pondicherry University
ARUNYA RAJ S	B. Sc. Physics 2015-18	M. Sc. Physics, Central University of Kerala, Kasargod

Publications in Journals

- Study of the modified magnetic, dielectric, ferroelectric and optical properties in Ni substituted GdFe_{1-x}Ni_xO₃ orthoferrites, R. S. Arun Raj, S. Meenu, Aruna Joseph, Rosmy Jose, D. Sajan, Anku Guha, Rabindra Nath Bhowmik, Aravind Puthirath Balan and Lija K. Joy, *Nanotechnology* 33 (2022) 035705
- The role of defects in the nonlinear optical absorption behavior of pristine and Co-doped V₂O₅ layered 2D nanostructures, Menon P.S., Thomas S.A., Anjana M.P., Beryl C., Sajan D., Vinitha G., Philip R., *Journal of Alloys and Compounds* 907 (2022)
- Vibrational spectra and molecular docking studies of bergapten isolated from Melicopedenhamii leaves as anti-breast cancer agents, Philip B.M., John J.S., V S., Kuruvilla T.K., Paulose T.A.P., Sajan D., *Journal of Molecular Structure* 1258 (2022)
- Synthesis, comprehensive spectroscopic investigation and molecular docking studies of (6-Fluoro-2-oxo-2H-chromen-4-yl) methyl morpholine-4-carbodithioate, Bessy Mary Philip, Jerin Susan John, George M., Kumar K.M., M V., HS H.K., Devarajegowda H.C., Kotresh O., Paulose T.A.P., Sajan D. *Journal of Molecular Structure* 1269 (2022)
- Linear and nonlinear optical investigations of (E) - 4 methyl-2-(N-Phenylcarboximidoyl) phenol supported by vibrational spectral analysis for photonic applications, Merin George, Ida Malarselvi R., Thiruvalluvar A., D. Sajan, Reji Philip, *Materials Science and Engineering B: Solid-State Materials for Advanced Technology* 283 (2022)
- Spectroscopic studies, quantum chemical investigations, and in silico and in vitro scrutiny of the diuretic drug trichlormethiazide adsorbed on AuNPs, Shyni V., Leenaraj D.R., Ittyachan R., Shyju G.J., Lynnette Joseph, D. Sajan, *Journal of Molecular Recognition* 35 (2022)
- Density functional theoretical study, spectroscopic characterization and molecular docking of the diuretic drug, spironolactone, adsorbed on AuNPs surface and in-vitro studies based on anticancer activity studies against A549 lung cancer cell line, Shyni V.; Leenaraj D.R.; Ittyachan R.; Rajan R.V.; Shyju G.J.; Lynnette Joseph, D. Sajan, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 646 (2022)
- L-Histidine with nitric acid: A comparison of crystal structures and Hirshfeld surfaces analysis, R.Chitra, R.R.Choudhury, Rejeena V. Rajana, D.Sajan, Mukesh Kumar, *Journal of Molecular Structure* 1267 (2022)
- Structural, Third Order Nonlinear and magnetic properties of pristine and Ni-doped CuO nanoparticles: Diluted magnetic semiconductors, Menon P.S.; Kunjumon J.; Jose A.K.; P.A. A.; Bansal M.; Vin-

itha G.;Maity T.;Abraham P.M.;**Sajan D.**, George S.D., *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 650 (2022)

10. Single step auto-igniting combustion technique grown CeO₂ and Ni-doped CeO₂ nanostructures for multifunctional applications, Javeesh Alex, S.Rajkumar, J.Princy Merlin, **Arun Aravind**, **D.Sajan**, C.S.Praveen, *Journal of Alloys and Compounds*. (2021)
11. Spectroscopic, density functional theoretical study, molecular docking, and in vitro studies based on anticancer activity studies against A549 lung cancer cell line of diphenylhydantoin adsorbed on AuNPs surface , Shyni V.;Leenaraj D.R.;Ittyachan R.;**Joseph L.**; **Sajan D.** *Journal of Molecular Recognition*, 34 (2021)
12. Adsorption and photocatalytic activity of biosynthesised ZnO nanoparticles using Aloe Vera leaf extract, Jose L.M.;Raj R.S.A.; **Sajan D.**; **Aravind A.** *Nano Express* 2 (2021)
13. Investigations of Dianhydro-D-glucitol adsorbed on AuNPs surface: In silico and in vitro approach based on anticancer activity studies against A549 lung cancer cell lines , Shyni V.;Leenaraj D.R.;**Joseph L.**;**Sajan D.**, *Journal of Molecular Recognition* 34 (2021)
14. Giant dielectric constant, dielectric relaxations, and tunable properties of Sm₂/3Cu₃Ti₄O₁₂ ceramics, Thomas A.K.;George M.;Abraham K.;**Sajan D.**, *International Journal of Applied Ceramic Technology* 18 (2021) 499-510
15. Response to “Comments on the paper: “Synthesis, physicochemical properties and third-order optical nonlinearities of cadmium (II) dibromide I - Proline monohydrate for optical limiting application” , Sajan D. *Journal of Molecular Structure* 1224 (2021)
16. Investigation of adsorption and photocatalytic behavior of manganese doped zinc oxide nanostructures , Kadam S.A.;Thomas S.A.;-Ma Y.R.;Maria Jose L.;**Sajan D.**;**Aravind A.** *Inorganic Chemistry Communications* 134 (2021)
17. Anticancer activity of indapamide adsorbed on gold nanoparticles: DFT, in-silico, and in-vitro analysis, Shyni V.;Leenaraj D.R.;Ittyachan R.;**Joseph L.**;**Sajan D.**, *Journal of Molecular Recognition* 34 (2021)
18. Highly enhanced dielectric permittivity in CoFe₂O₄ by the Gd substitution in the octahedral sites , Anjana P.;Raj R.S.A.;Jose R.;Kumari M.;Sarun P.M.;Sajan D.;**Joy L.K.** *Journal of Alloys and Compounds* 854 (2021)
19. Photocatalytic Degradation of Malachite Green Dye Using Zinc Sulfide Nanostructures, Susmi Anna Thomas, Sujit Anil Kadam, Yulan-Ron Ma, **Arun Aravind**, *ChemistrySelect* 6(37) (2021)

Conference Publications

1. Synthesis, Structural and vibrational spectral to the nonlinear b properties of (2E)-2-(3,4-Dimethoxybenzylidene)-3,4-dihydro-naphthalen-1(2H)-one Chalcone derivative: A DFT study, Sankaran Nampoothiri V, **Lynnette Joseph**, *Proceedings of the National conference on Nanomaterials* (2022)
2. Molecular Structure, Vibrational Spectroscopic and Natural Bond Orbital Analysis of a Non-linear optical Material (E)-1-(2,4,6-Trimethoxyphenyl)pent-1-en-3-one, Sankaran Nampoothiri V, **Lynnette Joseph**, *Proceedings of the 65th DAE Solid State Physics Symposium* (2022)
3. Computational Investigations on 3-(1H-Indol-3-yl)-2-benzofuran-1(3H)-one: A combined Spectroscopic and DFT Analysis, Sunil Raj R, **Lynnette Joseph**, *Proceedings of the National Conference on Emerging Trends in Material Science* (2022)
4. Theoretical Investigation of Nonlinear optical property in metalorganic coordination complex of bis(-pyridine N-oxide)bis[aquadibromido(pyridine N-oxide)manganese(II)], Saji Chandran, **Lynnette Joseph**, *Proceedings of the National Conference on Emerging Trends in Material Science* (2022)
5. Molecular Structure Property Relationship studies on anticancer property of diuretic drugs: Experimental and Theoretical Approach, Sankaran Nampoothiri V, **Lynnette Joseph**, *Proceedings of the National Conference on Emerging trends in Materials Science*, (2022)
6. STARS, Students, Teachers and Alumni for a Responsible Society, **Lynnette Joseph**, *Proceedings of the NAAC sponsored National Virtual Conference on Best Practices and their Success Stories in HELs*, (2021)
7. Effect of pH on dye degradation of green synthesized delta MnO₂ nanoparticles, Nithya S George, **Arun Aravind**, Lolly Maria Jose, *International E- Symposium on Sustainable Energy: Advances and Developments (E-Sensol 2022)*, 8th July 2022, Facultad De Ciencias Quimicas, Mexico
8. Antibacterial study on green synthesized Manganese dioxide nanoparticles, Nithya S George, Riya Mary Cherian, **Arun Aravind**, R Dinesh Raj, *International Virtual Conference of Plant Physiology and Biochemistry (IVCPB 2022)*, 19th-20th January 2022, *Proceedings of the International Conference on Plant Physiology & Biochemistry*, ISBN:978-81-950724-9-1, Department of Botany, Fatima Mata College, Kollam

Trainings/Workshops by Faculty

Dr. D. Sajan

1. One Week FDP on Research Ethics and Characterisation Techniques in Material Science jointly organised by Guru Angad Dev Teaching Learning Centre, Bishop Moore College Mavelikara and St. John's College Agra, under the aegis of PMMMNMTT scheme of MHRD. 09-09-2020 to 15-09-2020
2. Academic Quality Enhancement Through Outcome Based Education, IQAC St.Teresa's College, Ernakulam, May 07-12 2020
3. Indian Summer School On Crystal Growth SSN Research Centre, SSN Institutions,
4. (Autonomous) Chennai,603110, May 14-23 2020
5. ILLUMINATO, International Webinar Series 2020, IQAC Aquinas College May 15 2020, Two Week Online Workshop on Comprehensive e-Learning to e-Training guide for Administrative Work, Teaching Learning, Centre, Ramanujan College, University Of Delhi, May 25- June 05 2020
6. One Week Faculty Development Programme on Open Source Tools for Research, Teaching Learning Centre, Ramanujan College, University Of Delhi, June 8-14 2020
7. Two Weeks Faculty Development Programme on ADVANCED CONCEPTS FOR DEVELOPING MOOCS, Teaching Learning Centre, RamanujanCollege, University Of Delhi, July 02-17 2020
8. 2-Week Faculty Development Programme on MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0, Teaching Learning Centre, Ramanujan College, University of Delhi, July 25- August 10, 2020
9. One Week Faculty Development Programme On “Instrumental Methods of Analysis”, Guru Angad Dev Teaching Learning Centre, S.G.T.B Khalsa College And MHRD and Bishop Moore College , Mavelikkara, October 07-13, 2020
10. Online - International Workshop on X-ray Diffraction Analysis Organized by Department of Physics Siddaganga Institute of Technology, October 16-20 2020

Dr. Lynnette Joseph

11. Participated in Winter School on “Electronic Structure and Molecular Dynamics Simulations using Open Source Softwares, Theory to Practice” (27 Sep-04 Oct 2020)

- Completed a 2-Week Faculty Development Programme on “MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0” from July 25 - August 10, 2020, TLC, Ramanujan College, University of new Delhi, PMMMNMTT scheme
- Completed One Week National Faculty Development Program on Research Ethics and Characterisation Techniques in Materials Science jointly organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD, 09-15 Sep 2020
- Participated in FDP from 2020-10-19 to 2020-10-23 on Moodle Learning Management System organized by Bishop Moore college Mavelikkara with course material provided by Spoken Tutorial Project, IIT Bombay.
- Completed the National Online Workshop on “Computational Chemistry – A Leeway to Theoretical Chemistry” under DBT Star College Status, organized by the PG & Research Department of Chemistry, PSGR Krishnammal College of Women, Coimbatore in collaboration with D.G. Vaishnav College, Arumbakkam,, Chennai from 27.07.2020 to 29.07.2020.
- Participated in the One-week Faculty Development Programme (FDP) on Online Education in Higher Education Institutions conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHCE), Thiruvananthapuram through online mode from 13th to 17th July 2020
- Participated in the National Seminar on “National Education Policy -NEP 2020 for India: A Complete Revamping of Educational System for Catering the Needs of the 21st Century” organised by St..Albert’s College (Autonomous), Ernakulam in association with St. Paul’s College, Kalamassery on Tuesday 11th August 2020.
- State Level Webinar titled SAAC: CONTEXT AND CONTENT organized by Sree Narayana College, Nattika, in association with M P Moothedath Memorial Sree Narayana Trusts College, Shoranur, Sree Narayana Guru College of Advanced Studies, Nattika, and Sree Narayana Guru College of Advanced Studies, Alathur, on 25th July 2020.
- Teaching and Learning of Functional Materials and Devices through Hands on Experience, NIT Warangal 9 to 14 May, 2020 (One week), PMMMNMTT, MHRD, Govt of India
- Indian Summer School on SSN Institute, 14-23 May 2020 Indian Association for Crystal Growth (ISSCG 2020), Tamil Nadu (Ten Days) Crystal Growth

Ms. Merin George

- One Week Faculty Development Programme on “Instrumental Methods of Analysis” organised under PMMMNMTT Scheme of MHRD, Government of India, 07 - 13 October 2020
- One Week Faculty Development Programme on “Research Ethics and Characterization Techniques in Materials Science” organised under PMMMNMTT Scheme of MHRD, Government of India, 09 – 15 September 2020
- Workshop on “Fundamentals and Applications of Raman, AFM and Fluorescence Spectrometer” organized by SAIF-DST, Mahatma Gandhi University, Kottayam, 02 February 2021

Dr. Jerin Susan John

- One-week National Faculty Development Program on Research Ethics and Characterisation Techniques in Materials Science, 9-15 September 2020, Guru Angad Dev Teaching Learning Centre, University of Delhi, Bishop Moore College, Mavelikara, St. John’s College, Agra
- Two Weeks Faculty Development Programme on “MANAGING ONLINE CLASSES and CO-CREATING MOOCS”, 20 April to 06 May, 2020, Teaching Learning Centre, Ramanujan College, University of Delhi (Online)
- Two weeks MOOC course (with e-certification) on Online Learning and Content Development, 18 April to 2 May 2020, FLAIR Kerala, Directorate of Collegiate Education, Kerala
- DBT STAR Online Lecture Series on Characterization Techniques in Materials Science CTMS 2020, 29-30 July 2020, Bishop Moore College, Mavelikara

Dr. Arun Aravind

- One Week FDP on Research Ethics and Characterisation Techniques in Material Science jointly organised by Guru Angad Dev Teaching Learning Centre, Bishop Moore College Mavelikara and St. John’s College Agra, under the aegis of PMMMNMTT scheme of MHRD. 09-09-2020 to 15-09-2020

Mr. Javeesh Alex

- One Week FDP on Research Ethics and Characterisation Techniques in Material Science jointly organised by Guru Angad Dev Teaching Learning Centre, Bishop Moore College Mavelikara and St. John’s College Agra, under the aegis of PMMMNMTT scheme of MHRD. 09-09-2020 to 15-09-2020

Ms. Ann Mary Jose

- 4-Week Induction/Orientation Programme for “Faculty in Universities /Colleges /Institutes of Higher Education” organised by Teaching Learning Centre (TLC), Ramanujan College, University of Delhi under the aegis of PMMMNMTT scheme of MHRD from June 04 - July 01, 2020
- Faculty Development Programme (FDP) on MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0 organised by TLC Ramanujan College, University of Delhi under the aegis of PMMMNMTT scheme of MHRD from July 25 - August 10, 2020
- FDP on LaTeX Documentation System organised by Spoken Tutorial IIT Bombay under the aegis of PMMMNMTT scheme of MHRD, August 17 - 21, 2020
- One Week FDP on Research Ethics and Characterisation Techniques in Material Science jointly organised by Guru Angad Dev Teaching Learning Centre, Bishop Moore College Mavelikara and St. John’s College Agra, under the aegis of PMMMNMTT scheme of MHRD. 09-09-2020 to 15-09-2020

Dr. Lija K. Joy

One week Online Faculty Development programme on Moodle based Learning Management System and Course Design, 23-06-2022 to 28-06-2022
 Two week Online Faculty Development programme on Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis, 29-09-2021 to 13-10-2021
 One week Online Faculty Development programme on Instrumental Methods of Analysis, 07-10-2020 to 13-10-2020
 One week Online Faculty Development programme on Research Ethics and Characterisation Techniques in Materials Science, 09-09-2020 to 15-09-2021
 Online Induction Training/Orientation Programme, 04-06-2020 to 01-07-2020
 Implementation of Information and Communication Technology in Teaching, 18-07-2020 to 24-07-2020
 IQAC Webinar Series on Emerging Trends in Higher Education, 10-07-2020
 Online International webinar on Supercapacitors, 03-08-2020
 Webinar on “Quantum Nano Materials, 08-07-2020

Dr. Tintu K. Kuruvilla

1. Attended orientation programme by Teaching Learning Centre, Ramanujan College, University of Delhi, under PMMMNMTT scheme of MHRD, from 26-06-2020 to 24-07-2020.
2. Attended one week FDP on E-Content development organised by Guru Angad Dev Teaching Learning Centre, under the PMMMNMTT of MHRD and Sanatan Dharma College Ambala Cantt, from 27-07-2020 to 31-07-2020.
3. Attended one week FDP on Research Ethics and Characterisation Techniques in Material Science by Guru Angad Dev Teaching Learning Centre, under the PMMMNMTT of MHRD organised by Bishop Moore College and St. John's College Agra, from 09-09-2020 to 15-09-2020.
4. Attended one week FDP on Instrumental Methods of Analysis, Guru Angad Dev Teaching Learning Centre, under the PMMMNMTT of MHRD, organised by Bishop Moore College and St. John's College Agra from 27-07-2020 to 31-07-2020.
5. Attended Faculty Development Program (FDP) on Moodle Learning Management System, organized by Spoken Tutorial, IIT Bombay, from 19-10-2020 to 23-10-2020.

Other Achievements

- March 2022: Dr. Lynnette Joseph, Assistant Professor of Physics, received Peet Silverline Award instituted by Peet Memorial Training College
- May 2022: Dr. Jerin Susan John is recognized as Research Guide of University of Kerala
- June 2021: Dr. Arun Aravind published an article on Viscosity in the journal "Shashtrakeralam" for School Students
- April 2022: Dr. D. Sajan, Associate Professor of Physics receives ICDD (the International Centre for Diffraction Data) grant

DEPARTMENT OF COMMERCE

ONE WEEK NATIONAL FDP

A One Week National FDP in association with KSHEC on 'Financial Market: Teaching and Research Perspective' was organised by the Department of Commerce. The FDP had 15 sessions in which brainstorming happened on different areas in the Financial Market. 70 Faculty members from across India and 5 from outside India participated in the FDP. The sessions were handled by 14 academicians and experts from SEBI, RBI and also from Industry. The interactive sessions were helpful for the participants to get a detailed idea about the structure and the recent developments in Indian Financial Markets, familiarise themselves with High Frequency Trading in Indian Capital Market, to understand the recent developments in Online Financing Models, to get practical insights about Fundamental Analysis, Technical Analysis, Derivative Trading and regulatory structure of Indian Capital Market.

RESOURCE PERSONS	
Prof. Dr. Gabriel Simon Thattil Professor Department of Commerce University of Kerala Indian Financial Market Structure - Developments and Importance	Dr. Aja Lakshmi P J Associate professor in Finance Indian Institute of Management Coimbatore High Frequency Trading in Indian Capital Market
Dr. Balagopal Assistant professor in Finance Indian Institute of Management Kochi Financing of Firms - Emerging trends	Prof. Dr. S. Kavin Professor of Commerce (BEd) and former Project Coordinator, University of Kerala Derivative Market - Importance and Instruments
Prof. Dr. S. Johnson Professor Dept of Commerce and Management Studies, University of Calicut Emerging Online Financing Models - Challenges and Opportunities	Dr. Neelgopal Former HOD Dept of Commerce, C.M.S College (Autonomous) Kottayam Research Issues in Financial Markets
Dr. Suresh P P Associate Professor, Dept of Commerce, Bishop Moore College, Mavelikara Impact of GST on Indian Financial Market	Dr. Aravind James SRI and SRI Technical Analyst Former Senior Analyst Sree Ram College of Commerce New Delhi Technical Analysis Evidence in Indian Market
Dr. Joseph James Former HOD Department of Commerce, Autonomous Unit Kannur Valuation of Forwards and Futures	Dr. Madhusudan Former Senior Executive, SBI, Associate Professor Administrative Staff College Kozhikode Sovereign Bond Market and Institutions
Dr. Sajeesh V P Associate Professor and Head Dept of Commerce, Bishop Moore College, Mavelikara Technical Analysis: Major Trends	Dr. Kiran Kumar Head General Manager Investment Services SBI, Mumbai SEBI as a regulator - Investor Grievance Mechanism

TWO DAYS NATIONAL FDP

Two Days National Faculty Development Programme in association with KSHEC on 'Need for Examination Reforms in Changing Scenario' was conducted on 12th and 13th of August, 2020 via the online platform Google Meet. 120 faculties from various colleges participated. YouTube live was also provided.

NEW KEY ADDRESS: Dr. Rajan Varughese Former Professor KSHEC, Thiruvananthapuram	Resource Analysts and Facilitators of Content: Dr. Divyesh Kumar Tyagi IAS CEO, Common Service Centre, Ministry of Education, Government of India	Resource for Content Review, Programme Objectives and Progressive Content, State of Assessment and Form Development: Prof. Dr. Madhusudan Subrahmanyan Former HOD, Government Engineering College, Kozhikode
Resource for Content Review and Programme Objectives: Prof. Dr. Divyesh Kumar Tyagi CEO, Common Service Centre, Ministry of Education, Government of India	PRESIDENTIAL ADDRESS: Dr. K. T. Jaleel Principal Bishop Moore College, Mavelikara	Technical Support in Higher Education, Emerging Problems and Student Solutions - Age of Disruption: Dr. Raju Shrivastava Former HOD, Government Engineering College, Kozhikode

The dignitaries for the programme were **Dr. K. T. Jaleel**, Hon. Minister for Higher Education, Government of Kerala, **Dr. Rajan Varughese**,

Member Secretary, KSHEC, Thiruvananthapuram, **Dr. Dinesh Kumar Tyagi IAS**, CEO Common Service Centre, Ministry of Electronics and Information Technology, Government of India, **Prof. Dr. Manikrao Salunkhe**, Chairman, UGC Evaluation Reforms Committee, **Prof. Dr. Deepak Verma**, **Dr. B R Ambedkar University of Social Sciences** and **Dr. Kapil Sharma**, Associate Professor in Finance, **Devi Ahilya University**.

ONE DAY FDP

One Day FDP on the "Impact of GST on Indian Financial Market" was organised on Sunday 5th July 2020. **Dr. Surya Prakash**, Associate Professor of Commerce, **Sree Ram College, New Delhi** was the Chief Guest. The major objective of the programme was to familiarise the faculty members about the GST, changes in structure of tax system and its impact on the Indian Financial System.

INTERNATIONAL WEBINAR - ONE

An International Webinar on the topic, 'Portfolio Management in Derivatives and Commodities' was organised on 22nd August, 2020 via the online platform Google Meet. The webinar focused on giving awareness regarding the investment in derivatives instruments and how to efficiently manage such a portfolio. The key speaker for the programme was **Mr. Rejoice John**, Global Manager for Market Risk, **Royal Dutch Shell PLC**. **Rahul Jacob Kuruvila** was the Convenor of the Programme.

INTERNATIONAL WEBINAR - TWO

The webinar was organised on 6th September, 2020 via Google Meet. There was a participation of 138 members consisting of faculties and students of various colleges. The webinar gave an understanding about derivatives and its applications. The key speaker

for the programme was Mr. Santhosh Philip George, Technical Co-ordinator in Derivatives, Northern Trust, Bengaluru.

NATIONAL WEBINAR

Webinar on
Derivatives – Options and Swaps

Saturday, 11th July 2020, 3.30 P.M

Organised by

Department of Commerce
Bishop Moore College, Mavelikara

(Re-accredited with A Grade by NAAC, One among the top 100 Colleges in India by NIRF 2020 (56th Rank))

Resource Person
Prof. Dr. S Kevin
Professor of Commerce (Retd.) &
Former Pro Vice Chancellor
University of Kerala

Webinar on Derivatives, Options and Swaps was organised on **11th July, 2020** via Google Meet. The major objective of the programme is to provide a practical awareness about the Option and Swaps contracts traded in Indian Stock Market. The key speaker for the programme was Prof. Dr. S Kevin former Pro. Vice Chancellor of University of Kerala.

PANEL DISCUSSION

A Panel discussion on New Education Policy (NEP) was organised on 13th August 2020. Dr. Ranjith Mathew Abraham, IQAC Coordinator of Bishop Moore College was the Moderator. Dr. Nair Anup Chandrasekharan, Mr. R. Indulal, Dr. C. P. Satheesh, Mr. Sree Prasad R, Dr. Lakshmi Priya N and Mr. Premjith M.R. were the panellists. YouTube live of the event was also organised.

PANEL EXPERTS

Mr. R. Indulal
Member, Academic Council,
University of Kerala

Dr. C. P. Satheesh
Associate Professor & HOD,
Department of English,
SN College, Kinnar

Mr. Sree Prasad R.
Assistant Professor,
NSS College, Pandalam

Dr. Lakshmi Priya N.
Assistant Professor,
Department of English,
Mahatma Gandhi College, Travancore

Mr. Premjith M. R.
Assistant Professor,
Department of English,
Bishop Moore College, Mavelikara

Dr. Nair Anup Chandrasekharan
Assistant Professor,
Department of English,
Bishop Moore College, Mavelikara

Registration Link:
<https://forms.gle/eFAtYj45d1bP95VA>

HoD and Co-ordinator: Dr. Sajeew V P
Convener: Dr. Varughese Anie Kurian
Dr. Ashish Varughese: +9191446708256
Mr. Rahul Jacob Kuruvilla: +91917012774882

NATIONAL EDUCATION POLICY 2020

PANEL DISCUSSION

13th August, 2020
4:15 p.m. – 5:30 p.m.

MODERATOR:
Dr. Ranjith Mathew Abraham
IQAC Co-ordinator, HOD,
Department of Economics,
Bishop Moore College, Mavelikara.

Organised by
Department of Commerce

BISHOP MOORE COLLEGE
MAVELIKARA

Affiliated to University of Kerala,
Re-accredited with 'A' Grade by NAAC,
Ranked (76th) among the top 100 colleges in India by NIRF 2020.

DIGITAL LITERACY MISSION

Survey of digital literacy was conducted among 9 different community sub-groups; School Teachers, UG/PG Students, School Students and Parents, Women Sales Personnel, Housewives, Doctors and College lecturers. The result of the survey shows that majority of the respondents are digitally literate but most of them are not digitally confident and competent.

NATIONAL FDP

One Day National Faculty Development Program on
SEBI as a regulator – Investor Oriented Measures

4th July 2020, 10.30 A.M

Organised by

Department of Commerce
Bishop Moore College, Mavelikara

(Re-accredited with A Grade by NAAC, All India 56th Rank in NIRF 2020)

Resource Person
N Hariharan
Chief General Manager
Securities and Exchange Board of India

Head, Department of the Office of Investor Assistance and Education (OIAE), Member of the Advisory Committee on SEBI Investor Protection and Education Fund. He is also a Director in the Board of the National Centre for Financial Education (NCFE)

The programme was organised on Sunday 4th July 2020. Sri. N Hariharan Chief General Manager Head Department of Office of Investors Assistance and Education (OIAE) SEBI was the Chief Guest who spoke on the topic "SEBI as a Regulator: Investor Oriented Measures". The major objective of the programme was to train the faculty members about the role of SEBI in investors protection.

INVESTORS AWARENESS PROGRAMME

The programme was organised in Association with Securities and Exchange Board of India (SEBI) on Tuesday 29th September, 2020 at 4.00 P.M. Shri Raghunandan Pattnaik, National Trainer of SEBI & BFSI was the resource person. The programme was organised for the college teachers from across the state.

AWARENESS ON STOCK MARKET TRADING

An awareness programme was conducted on the basics of stock market trading specially for beginners on 23rd June, 2021 at 2.00 pm as a part of the Financial Literacy Mission of the department. The programme was intended for undergraduate students and above. Mrs. Antu Thomas, stock broker of Pentad Securities and also a faculty of Bishop Moore College was the resource person. A practical demonstration of the trading platform and the conditions and guidelines to be followed in the initial stages of stock broking was imparted in the seminar.

BISHOP MOORE COLLEGE, MAVELIKARA

Affiliated to Kerala University,
Re-accredited with 'A' Grade by NAAC
Ranked 76th among the top 100 Colleges in India by NIRF 2020

DEPARTMENT OF COMMERCE
Financial Literacy Mission
STOCK MARKET TRADING
for beginners
(മുഹൂർത്തി വിലപണ: അറിവേണ്ടതല്ല)

For U.G Students and Above
23rd JUNE, 2021 AT 2.00 PM
For Registration

Resource Person:
Mrs. ANTU THOMAS
Faculty, Bishop Moore College

First 100 participants can join in Zoom, others can watch YouTube Live

HOD and Co-ordinator: Dr. Sajeew V. P
Convener: Dr. Ashish Varughese

For details Contact:
9447828238

SECURITIES MARKET AWARENESS

Securities market awareness programme sponsored by Bombay Stock Exchange was organised for the students in association with Apex Academy on Saturday 14th August 2021. Securities market expert Mr. Manoj T Neelakantan (Former AGM IDBI Bank) was the chief guest.

DEPARTMENT OF COMMERCE
BISHOP MOORE COLLEGE, MAVELIKARA
In Association with APEX ACADEMY, MOORE ORGANISES A SEMINAR ON

SECURITIES MARKET AWARENESS

WHO CAN PARTICIPATE:
Students, Teachers, Parent/Guardian

Resource Person:
Mr. Manoj T Neelakantan
Former AGM IDBI Bank, Former CEO, SBI

DATE: August 14, 2021 (Saturday) TIME: 10.30 AM to 11.30 AM
Platform: Google Meet

Young Finance Broking & Advisory Academy, Pallathuruthy, Mavelikara

SPONSOR: BOMBAY STOCK EXCHANGE LTD.

Dr. Jacob Chandy (Principal) | Dr. Sajeew V.P. (HOD - Commerce Dept.)

SURVEY ON FINANCIAL LITERACY

All final year students participated in the Financial Literacy Survey in Thazhakkara Grama-panchayat. The students were divided into 21 different groups and conducted the survey by visiting the 21 wards of the panchayat they collected the details using google form. Panchayat president Smt. Sheeba Satheesh inaugurated the survey, Principal Dr. Jacob Chandy presided over the meeting, Panchayat Secretary, HoD of Commerce in their talk, inspired all to proceed with the survey.



Inaugural Function of the Survey on Financial Literacy

FINANCIAL LITERACY DRIVE

The Department of Commerce, in association with the Thazhakkara Grama Panchayat has taken the initiative to provide financial education



to all in the Panchayath and to convert the Panchayath into a 100% financially literate one making it the first Financially Literate Grama Panchayath in India

The 'complete financial literacy drive' was inaugurated by Sri. M S. Arun Kumar, MLA. As part of the drive a 47 student team consisting of 3 students each visited houses of the 21 wards in the panchayath and distributed study materials (basics of financial literacy and first module of financial literacy).

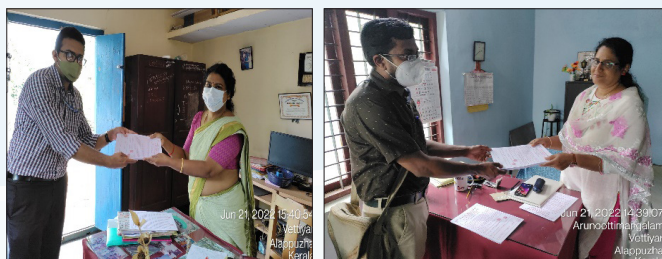


Inauguration of Complete Financial Literacy Drive by Sri. Arun Kumar MLA



Students Team in Financial Literacy Material Distribution

Study materials on financial literacy were also distributed through 17 schools, several shops, banks and other business organisations.



Distribution of Study Material through Schools



Class on Financial Literacy by Dr. Sajeve V.P

A Workshop on Filing of Income Tax and Tax Management and Tax Consultancy Services was organised on 22nd July 2022 at Seminar Hall for the Staff members of the College. A workshop was also organised online via Goggle Meet on 24th July, 2022.

GOOD SAMARITAN

Good Samaritan is an extension activity of the Commerce Association

to reach out to the needy. The Commerce Association donated Rs. 5000 to Jyothis (special school) Mavelikara as part of this initiative.

CERTIFICATE COURSES

In the Year 2020-21 the Department completed four Certificate Courses

1. Certificate Course in Manual Accounting
2. Certificate Course in Computerised Accounting
3. Certificate Course in Bank Project and Document Preparation
4. Certificate Course in Income Tax and GST

ASSOCIATION INAUGURATION

Commerce Association was inaugurated on Friday 12th February 2021 via Zoom by Mr. Hareesh B, Assistant General Manager, Department of Anti -Money Laundering. He also delivered a talk on "Money Laundering and Financial Action Task Force Evaluation about India". Sri. Hareesh B, is an alumnus of the Department.

SEMINAR

A Seminar on Indian Financial Industry's Blue Ocean Strategy was organised on Thursday 2nd October 2021 and an alumnus of the Department Sri. Rajesh Kumar S, Vice President and Business Head of NDML of NSDL, was the chief guest.



Sri. Rajesh Kumar S

TRAINING PROGRAMME

An invited lecture on the basics of Latex was conducted on October 19th, 2021 via Google meet platform. Mrs. Anjali Susan Ninan, Assistant Professor, Department of Mathematics was the resource person.



INVESTORS AWARENESS PROGRAMME

Investors Awareness programme was organised on 27th November 2022 for College Teachers. Securities market expert Sri. Sankar Sundaresan was the Chief guest.

TALK ON SELECTION PROCESS IN CORPORATES

The programme was conducted on 22nd March, 2022. The talk intended to create awareness among the students about the recent selection criteria utilised by the corporate companies. Ms. Anjali Mariam Philip, alumnus of the department of commerce and an employee of Federal Bank was the chief guest

TALK ON STRATEGIES TO PREPARE FOR EXAMINATIONS

The programme was organised on 22nd March, 2022. The talk intended to impart the methods to prepare for university and various competitive examinations.

Mr. Nabeer A K, alumni of the Department of Commerce was the chief guest. He explained the methods which students can utilise to prepare for competitive exams.



Talk by Mr. Nabeer A K

COUNSELLING SESSION

A Session for 'Enhancing the Quality of Education and Life' was

conducted in association with Commerce Alumni Association on Tuesday 20th August 2022. International trainer Sri. Sunil D Kuruvila, Director of Insight Mission, Mavelikara who is also the Alumnus of the Department of Commerce led the session.



Inauguration of the Counselling Class by the Principal

BRIDGE COURSE

A bridge course was organised for the first year B. Com students. Mr. Rahul Jacob Kuruvilla was the coordinator of the course.

SILVER JUBILEE CELEBRATIONS

The Department celebrated the Silver Jubilee of the **First Pass out B.Com Batch** in the year 2021. As a part of silver jubilee celebration, the Commerce Alumni Association was formed on 11th December 2021. The Alumni association was inaugurated by Sri. Arun Kumar MLA, Alumnus of the College.

The department along with Alumni Association launched "25 Point Programmes" to commemorate the Silver Jubilee.



Inauguration of the Silver Jubilee by Sri. Arun Kumar MLA



ZERO HUNGER PROGRAMME

The Department jointly with its Alumni has set in place the 'Zero Hunger' Programme. Every second Saturday's food packets are distributed through the 'food packet shelf' placed near Mavelikara KSRTC bus stand for distribution to the needy.



Inauguration of the Zero Hunger Programme by Sri. Arun Kumar MLA



Food Distribution on Every Second Saturday

SOUVENIR

Novelist Shri K Sudhakaran released the Souvenir of the Department in a grand function.



Release of the Souvenir by Novelist Sri. K Sudhakaran

PHILANTHROHY

It is yet another initiative, the Alumni Association donated Rs 20 Lakh for meeting the treatment of an alumnus who had needed Kidney transplantation.

UNIVERSITY TOPPER

Ms. Gopika Sudesan P secured **Second Position in University** examinations for BCom

TRAINING PROGRAMMES ATTENDED BY FACULTY

Dr. Sajeeve V.P completed one course in SWAYAM on the topic Financial Markets and one refresher course in Commerce organised by Ramanujan College.

Antu Thomas has attended 2 weeks FDP on Advanced Concepts on developing MOOCs organised by Ramanujan College in association with MHRD from 02nd to 16th July 2020.

Dr. Sajeeve V P, Dr. Varughese Anie Kurien, Dr. Ashish Varughese, Mr. Rahul Jacob Kuruvila attended one week FDP organised by Commerce Department in association with KSHCE during 27th June to 3rd July, 2020 on 'Financial Markets: Teaching and Research Perspectives'.

Dr. Sajeeve V P, Dr. Varughese Anie Kurien, Dr. Ashish Varughese, Mr. Rahul Jacob Kuruvila attended one week FDP organised by IQAC in association with KSHCE during 23rd to 29th May, 2020 on 'Higher Education during COVID Times and After: Challenges and Opportunities'.

All faculty members attended the 2 days FDP organised by the Department of Commerce in Association with KSHCE on 12th and 13th August 2020.

Dr.Ashish Varghese attended 7 Days National Faculty Development Programme on Time Series and Panel Data Analysis from 20th - 26th July, 2020 organised by Teachers and Teaching, Teaching Learning Centre Ramanujan College, 7 Days Faculty Development Programme on "R Programming" from 4/5/2020 to 10/5/2020 organized by Department of Computer Science, St. Joseph's College (Autonomous), Irinjalakuda, in association with Spoken tutorial, IIT Bombay and One Week National Research Methodology Webinar Series organized by Marthoma College, Chungathara from 10-20 August 2020.

Mr. Rahul Jacob Kuruvila attended a four week faculty induction programme (Advanced) conducted by the Ramanujan College, University of Delhi from 26th July to 24th August, 2021.

FACULTY RESEARCH PUBLICATIONS

Dr. Sajeeve V.P "Predictability of MACD Index: Evidence from Indian Stock Market", Wesleyan Journal of Research, Vol. September 2020 ISSN 0975 - 1386 (Care Listed Journal)

Dr. Sajeeve V.P "Technical Price Prediction and Achievement of Price Objective - A case study of Symmetrical Triangle Pattern", Wesleyan Journal of Research, Vol 25, ISSN 0975 - 1386 (Care Listed Journal)

Dr. Ashish Varughese "A study on the Features of Indian Stock Market Volatility", Mirror, Vol.10, Issue 1, March 2020 (ISSN 22498117). - Peer Reviewed Journal

Antu Thomas has published a paper "Awareness level of salaried individuals about tax planning", IJRAR, Vol 8, Issue 2, February 2021 (ISSN 2345162) – Peer Reviewed Journal

Antu Thomas has published a paper "Weak form efficiency: In select Indian Agri-Commodity derivatives in NCDEX", JETIR, Vol 7, Issue 4, December 2020 (ISSN 23495138) – Peer Reviewed Journal

Antu Thomas published a chapter "Trend analysis of Gold Futures in Indian Commodity market", Akinik, Vol 3, December 2020 (ISBN-9789390541294).

Antu Thomas "Behavioural transitions of individual investors during the Covid-19 Pandemic", REST, Vol 3, Issue 4, January 2020 (ISBN-9788193609767).

Ashish Varughese "Growth and Development of Tourism Industry in Kerala", Edited book Dr. Vinod AS, Self Publication 2020

PAPER PRESENTATIONS

Dr. Ashish Varughese has presented a paper on 'Role of SAAC in

improving the quality of Higher Education Institutions in Kerala: A Case Study of Bishop Moore College, Mavelikara' and Mr. Rahul Jacob Kuruvila and Mrs. Asha Mariam Thomas presented a paper on 'Student Support System in Higher Education' in the NAAC Sponsored National Workshop on Teaching Learning and Research in the perspective of NAAC RAF organised by Bishop Moore College on 14th and 15th February 2022.

FACULTY ACHIEVEMENTS

Dr.Sajeeve V.P has been recognised as a Research Guide by the University of Kerala.

Dr.Sajeeve V.P has obtained level 1 and 2 Certification in Financial Advisor provided by National Institute of Securities Market (NISM).

Dr. Varughese Anie Kurien is serving as member of Faculty Board, University of Kerala.

Dr.SajeeveV.P has served as Chairman Pass Board Sem 3 and 5 and 5 B.Com

STUDENT ACHIEVEMENTS

Name of the Student	Competition	Prize
Nandana Remanan	International book of World Records (World Record)	Youngest author to publish book on the theme of handwritten letters.
Meenu D	Product Marketing at Marthoma College, Tiruvalla	First prize
Vinu V George	Wordsworth at Marthoma College , Tiruvalla	First Prize
Hajera and Sruthi S	Innovative Business Idea in Together 2022	Selected in Top 100 from National Level
Subin K Sunny	Inter Collegiate Music Day Competition of N.S.S	Second Prize
Meenakshi PR	Wrestling at Alappuzha Olympics	Third prize
Sreenandan and Steny	Debate at Providence College, Chengannur	First Prize
Adarsh J Kumar, MekhaBenzi Phillip, S. Devanarayannampoothiri and Juby Anna Jose	Product Launch at GIAL, Kottayam	Second Prize
NandanaRemanan, Bibi Biju and Meenakshi PR	Business Plan Presentation at Providence College, Chengannur	Second Prize
Pranav P, Pranav p, Abitha Krishnan and shejin G Johnson	Treasure Hunt at Providence College, Chengannur	First Prize
Liya Ellen Alex	Paper Presentation Competition at Mar Ivanios, Mavelikkara	Third Position
Jibin Mathew	Paper Presentation Competition at St. Josephs College, Irinjalakuda	Third Position
Sruthy	University of Kerala Chess Competition	Second Position
Sreethu	University of Kerala Wrestling Competition	Second Position
Swathy Vijayan	University of Kerala Classical Music Competition	Second Position
Swathy Vijayan is the contestant of the Asianet Star Singer competition.		

MISCELLANOUS ACTIVITIES

Orientation Programme for Newly Admitted Students

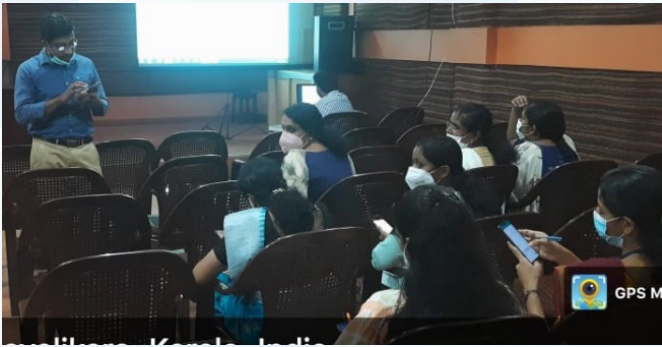
Counselling class for the students was organised on 26th November 2020. The class led by Rev Abraham C Prakash.

Orientation Programme for CA, CS and CMA

The programme was organised on Thursday 26th November 2020. The class was handled by CMA Benoy Varghese, practising Management Accountant.

Training Programme on Business Plan Writing

The program was organised on 26th May 2021. The members of the ED Club and selected students from Commerce Department participated in the programme.. Mr. Rahul Jacob Kuruvilawas the chief trainer.

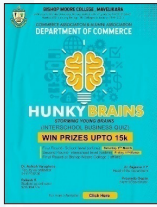


Hunky Brains – Inter School Business Quiz Competition



കുറിസ് മതമാനം: തോട്ടക്കോണൻ തമ്പ.എച്ച്.എസ്.എസ്. ജേതാക്കൾ

പുഴയിൽ കോട്ടയം നഗരം, കോട്ടയം റവന്യൂ ഡിവിഷൻ, കോട്ടയം താലൂക്ക്, കോട്ടയം ജില്ല, കോട്ടയം ജില്ലയിൽ ഏറ്റവും ഉന്നതമായ സ്കൂൾ കോളേജ് ആയി കോട്ടയം താലൂക്ക് കോളേജ് പ്രഖ്യാപിച്ചു. കോട്ടയം താലൂക്ക് കോളേജ് പ്രഖ്യാപിച്ചു. കോട്ടയം താലൂക്ക് കോളേജ് പ്രഖ്യാപിച്ചു. കോട്ടയം താലൂക്ക് കോളേജ് പ്രഖ്യാപിച്ചു.

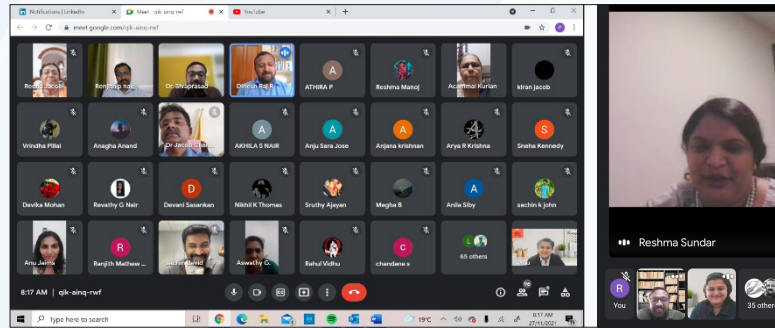


'Hunky Brains' - Storming Young Brains is an Inter-School Business Quiz Competition organised by the Commerce Department exclusively for the plus one and plus two commerce students. The quiz has three different rounds. Students from 52 Schools participated in the competition. A cash prize of Rs. 16000 was distributed to the winners.

Study Tour

Study tours are organised every year to create industrial awareness among the students. A Study Tour for the Final year students was held from 25th to 27th March 2022.

Biomedical Technology wing, SCTIMST, Thiruvananthapuram on 27th November 2021. The second lecture was conducted on 26th February 2022, by Dr. Reshma Sundar, Senior Scientist, Abbvie Research Centre, Massachusetts, USA, on the topic '*How I Became a Scientist*'.



DEPARTMENT OF BOTANY AND BIOTECHNOLOGY

BOTANY AND BIOTECHNOLOGY ASSOCIATION

Inauguration of Botany and Biotechnology Association 2021-22 and World Food Day celebrations was done by Dr. Annie Ninan, Associate Professor, Department of Home Science, KAHM Unity Women's College, Manjeri. On 16th October 2021. She delivered a key note address on the topic '*Healthy Eating Tips*'.



Dr. Annie Ninan

INVITED TALK

An invited talk was organized on the 29th March, 2021 via Google meet for the students and staff of the Dept. of Botany and Biotechnology. Dr. Suresh V, Assistant Professor, Dept. of Botany, Govt. Victoria College, Palakkad delivered a talk on '*Challenges in Cultivating Scientific Temper in Modern Society*'.

ONE DAY WEBINAR

One day Webinar was organized by the Association on the 26th April, 2021 at 10am. Ms. Remya Sree P. R., Cell and Molecular Biology Division, Dept of Botany, University of Calicut delivered a talk on '*Pharmacognosy and Phytochemistry in Drug Validation*' and Ms. Niyathi Vijay, Department of Environmental Sciences, University of Kerala, delivered a talk on '*Air Pollution and its Impacts*'.

LECTURE SERIES

In collaboration with the Botany & Biotechnology Alumni Association, the Department organized an online Lecture series and the first talk was on '*Roadways to Research*' by Dr. Renjith P. Nair, Scientist C,

Resource Persons

Dr. Sivaprasad A. delivered a key note address on '*Plant Tissue Culture, Techniques and Applications*', as part of the Bodhi National Seminar 2022 in Kumbalathu Sankupillai Memorial Devaswom Board College, Sasthamcotta on 10th March 2022



Dr. Sivaprasad A. delivered an online invited lecture as part of the Environment Day celebrations in Jawahar Navodaya Vidyalaya, Chennithala on 5th June 2021.

Dr. Sivaprasad A. delivered a key note address online as part of the Environment Day celebrations in Mar Thoma High School for Girls, Kottarakara on 5th June 2021.



Dr. Anto Mathew delivered an invited lecture on '*Endangered species management and ecosystem restoration*' in "Nymphaea 2021" organized by the Department of Botany and Nature Club, Sree Narayana College, Alathur on March 10, 2021.

Dr. Anto Mathew has delivered an invited lecture on 'Biodiversity Conservation and Ecosystem Restoration' in International Forest Day celebrations, organised by the Department of Botany and Nature Club, TKM College of Art and Science Kollam on March 20, 2021.

Mr. Robert Raju served as resource person in the 'Scientia Magnae – National Science Day celebrations organised by Kerala University College of Teacher Education, Kayamkulam on 3rd March 2021

Dr. Prakash G. Williams chaired a session in the virtual International Conference on Energy, Environment and Health (VICEEH-2020) organized by IQAC and IETE Forum of Sree Ayyappa College, Chengannur, Kerala, India held on 11& 12 September, 2020.

Dr. Sivaprasad A. chaired a session in the virtual International Conference on Energy, Environment and Health (VICEEH-2020) organized by IQAC and IETE Forum of Sree Ayyappa College, Chengannur, Kerala, India held on 11& 12 September, 2020.

REFRESHER/ORIENTATION/FDP PROGRAMMES

Dr. Santhi W.S. has participated in UGC sponsored online **Refresher Course** on Women's Studies and Women Empowerment, conducted by UGC-Human Resource Development Centre, Kariavattom, from 02/12/2020 to 15/12/2020

Dr. Jisha S. participated in the 5 Days Online National Level Faculty Development Programme on "Moodle - Learning Management System" organized by the Department of Computer Applications, MES College Marampally, in association with Spoken Tutorial, IIT Bombay from 19-05-2020 to 23-05-2020.

Dr. Jisha S. participated in the One-week Online Faculty Development Programme (FDP) on Higher education during COVID times and after: Challenges and Opportunities, organised by the IQAC, Bishop Moore College, Mavelikara, from 23rd to 29th May 2020.

Dr. Jisha S. participated in the One-week Faculty Development Programme (FDP) on Online Education in Higher Education Institutions conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), Thiruvananthapuram through online mode from 13th to 17th July 2020 for the faculty members from science disciplines in the state universities and affiliated colleges.

Dr. Regy Johnson and **Dr. Santhi W.S.** participated in One week online Faculty Development Programme on "Higher Education during COVID times and after: Challenges and Opportunities" scheduled to be organized by the Internal Quality Assurance Cell, Bishop Moore College, May 23-29, 2020.

Dr. Santhi W.S. participated in a One Day National Faculty Development Program on Web-Skills for Online Classes, organised by Department of Commerce, Bishop Moore College, Mavelikara on 30th May 2020.

Dr. Prakash G. Williams, Dr. Dinesh Raj R., Dr. Jisha S. and **Dr. Santhi W.S.** participated in the "Online Course on Basic Bio-Informatics" organized by the CEPC Laboratory and Research Institute, Kollam during 29th May – 4th June 2020.

Dr. Santhi W.S. participated in a One-week Faculty Development Programme on Online Education in Higher Education Institutions conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), Thiruvananthapuram through online mode from 13th to 17th July 2020.

Dr. Santhi W.S. participated in a International virtual faculty development programme on "Applications of Advanced Materials and Technologies in Chemical science" organized by the Department of Chemistry, Easwari Engineering College, Chennai from 31st August to 04th September, 2020.

Dr. Brijithlal ND participated in the Refresher course in Life sciences organised by UGC HRDC, University of Kerala during 12.08.2020 to 25.08.2020.

Dr. Brijithlal ND participated in the Short Term Course (MOOC)

organised by UGC HRDC, University of Kerala during 23.09.2020 to 29.09.2020.

Dr. Brijithlal ND participated in the Short term course in 'Disaster management' organised by Bishop Moore College, Mavelikkara in support with MHRD, during 07.10.2020 to 13.10.2020.

Dr. Prakash G. Williams participated in a Short term course in 'Disaster management' organised by UGC-HRDC, University of Kerala during 19.02.21 to 25.02.2021

Dr. Regy Johnson attended Orientation Programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development PMMMNMTT during June 04 to July 01, 2020.

Dr. Regy Johnson attended One week National online FDP on 'Quality Science Education in India in the 21st Century' jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, under PMMMNMTT of Ministry of Education and Christ College, Irinjalkuda Kerala, during November 03-09, 2020.

Dr. Regy Johnson attended Two week Interdisciplinary Refresher Course for 'Advanced Research Methodology Tools and Techniques', organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education PMMMNMTT during January 30 to February 14, 2021.

Dr. Sivaprasad A. completed the One Week online Short term Faculty Development Programme on "Implementation of Information and Communication Technology in Teaching" organised by School of Legal Studies, Cochin University of Science and Technology in collaboration with The Kerala State Higher Education Council during July 18-24, 2020.

Dr. Sivaprasad A. completed the One Week online Short term Faculty Development Programme on "Towards a Digital Era of Teaching and Learning", organised by UGC-HRDC, University of Kerala, Thiruvananthapuram in collaboration with KSMD College, Sasthamcotta from August 12-18, 2020.

Dr. Sivaprasad A. participated and successfully completed the 14 Days Refresher Course on "Techno Pedagogy Tools Towards Digital Era Of Teaching" Organised by UGC-HRDC Thiruvananthapuram in collaboration with Sanatana Dharma College Alappuzha from 28.09.2020 to 11.10.2020.

Dr. Dinesh Raj R. participated in UGC sponsored Live online Refresher course in Environmental Sciences (Interdisciplinary) conducted by UGC-HRDC, University of Kerala during February 10-23, 2021.

PAPERS PRESENTED

Aswathy S., Jisha S., Santhi W.S. presented a paper entitled 'Extraction of Dyes from Plants for Histological Staining'. in Multidisciplinary International Webinar Series, 'COVID-19: Changing World Order', organised by St. Xavier's College, Thumba in collaboration with State Institute of Encyclopaedia, Government of Kerala, during 22nd to 25th September, 2020.

Jisha S, Karthika S, Suja S, Santhi W S. presented a paper entitled 'Bactericidal potential of Copper nanoparticles synthesized from the extracts of selected plants from Rutaceae family' in the First international Online Conference on 'Blends, Composites, Bio Composites and Nanocomposites' (ICNC 2020), organized by Mahatma Gandhi University, P. D Hills P.O, Kottayam, Kerala, India & Siberian Federal University, Russia & Federal University of Rio de Janeiro, Rio de Janeiro, Brazil & Technical University of Gdansk, Gdansk, Poland & Wroclaw University of Technology, Wroclaw, Poland during 9th to 11th October 2020 at Kottayam, Kerala.

Padmasree B L, Jisha S, Santhi W S. presented a paper entitled 'A Study on *In Vitro* antioxidant and hypoglycemic potential of different plant extracts', in Virtual International Conference on Multidisciplinary Research Trends (VICMRT-2020) organised by Nehru

Yuva Kendra, Trivandrum and SAROVARAM Centre for Promotion of National Integration and Community Development, during 21st to 23rd November, 2020.

Dr. Prakash G. Williams presented an Oral paper entitled "Outbreak, Prevalence and Mortality of Severe Acute Respiratory Syndrome Coronavirus2 (SARS-CoV-2) Infections in Kerala - A Perspective Study" in the International e-Conference on Bioengineering for Health & Environment (ICBHE2020) organized by Sathyabama Institute of Science and Technology, India and MAHSA University, Malaysia held on 16th and 17th July 2020.

Jisa Ann Sabu, Dr. Brijithlal N.D. and Dr. Prakash G. Williams (2020) Evaluation of in vitro anti-uro lithiatic potential of *Merremia tridentata* (L.) Hallier f. by calcium oxalate dissolution assay. World Journal of Pharmaceutical and Life Sciences, 6(10) 148-152

Jisa Ann Sabu, Dr. Brijithlal N.D., Dr. Prakash G. Williams (2021) Evaluation of in vitro anti-uro lithiatic potential of *Merremia tridentata* (L.) Hallier f. by Calcium phosphate dissolution assay. World Journal of Pharmaceutical and Life Sciences, 7(2) 150-154

S. Krishnakumar, Aabha Benjamin, **G. Prakash Williams**. (2021) Outbreak, Prevalence and Mortality of Severe Acute Respiratory Syndrome (SARS-CoV-2) Infections in Kerala- A Perspective Study. Letters in Applied Nanobiotechnology, 10(1) 2016-2023

Aabha Benjamin and **Prakash G. Williams**. (2020) Role of Government in ensuring safe drinking water after a natural Disaster-A case study of Kerala flood. Applied ecology and Environmental Sciences, 8(6) 373-378 (UGC -CARE)

Anto M., Angala M., Jothish P. S., Rameshkumar K. B., Padmesh P.P. and Anilkumar C. (2020) Population genetic structure of *Garcinia imberti* Bourd. An endangered endemic tree of southern Western Ghats, India. PLANT SCIENCE TODAY, 7 (3), 424-431. <https://doi.org/10.14719/pst.2020.7.3.734>. (eISSN: 2348- 1900)

BOOK CHAPTERS

Shabeer Ahmed N, Murali R and **Prakash G Williams** (2021) 'Microfluidics-A new approach for antibiotic sensitivity studies, in 'Recent Trends in Applied Sciences and Computing Engineering - A multidisciplinary approach' Published by Association of Global Academician and Researchers (AGAR) Publications, Tamil Nadu, India. (ISBN: 978-81-950236-3-9) p 70-93.

OTHER ACHIEVEMENTS OF FACULTY

Dr. Sivaprasad A. has been nominated to Board of Studies in Biotechnology (Pass).

Dr. Sivaprasad A. has been nominated as the Member, Technical Support Group Alappuzha, Kerala State Biodiversity Board.

Mr. Robert Raju has served as member, Malpractice prevention squad of University of Kerala during 27.11.2020 to 10.01.2021.

Dr. Sivaprasad has served as Chairman, Board of Examiners, VI Semester B.Sc. Botany and Biotechnology Examinations, March 2021.

ACHIEVEMENTS OF STUDENTS

Riya Mary Cherian secured Second Rank in M. Sc. Botany examinations held by University of Kerala in July 2020.



Riya Mary Cherian



Veena Nair



Aleena Angel Kurian

Veena Nair secured A plus (9.049) and Seventh position in BSc Botany Examinations, University of Kerala, March 2022.

Aleena Angel Kurian, First Semester M.Sc. Botany secured third position in Kerala University Women's Chess Championship 2020-21.

SEMINARS ATTENDED BY STUDENTS

Simi K Varghese and Seba Shibu, First Semester B.Sc. Botany and Biotechnology have participated in the Webinar on "Microbiology for beginners" conducted by Dept. of Zoology, SVR NSS College, Vazhur on November 20, 2020.

Athira S. participated in the webinar on "Living with wildlife: conflict or coexistence" held as part of National wild life week celebrations by Bhoomitrasena Shceme of Bishop Moore College on October 30, 2020

Athira S participated in the webinar "Cryopreservation strategies for long term conservation of germplasm" organised by GNRamachandran Scince Club, Mar athanasios College for advanced Studies on July 13, 2020

Athul Suresh and Akshay Kumar S. participated in Dekho Apna Desh Wei Episode 86: Mountains to Mangroves- A journey of 1000 Kilometers organised by Ministry of Tourism, Govt. of India on April 24, 2021

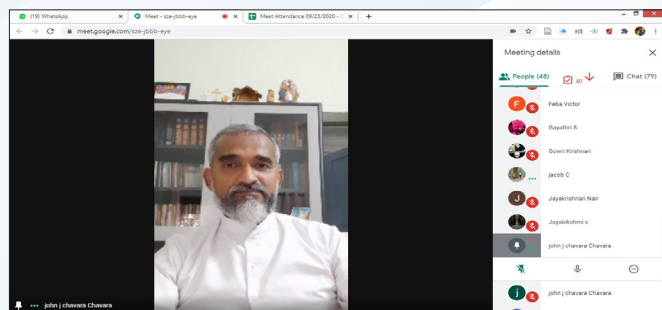
The Association Inauguration of the Department of Mathematics "πthagOrian\$ '20" was conducted on 07th October, 2020 at 02:00 p.m. via the Google Meet Platform. **Fr. John J. Chavara**, Assistant Professor, Department of Mathematics, St. Berchmans College, Changanacherry inaugurated the activities and delivered an interesting lecture about some mathematical problems and their applications

ONE WEEK STUDENT ENRICHMENT WORKSHOP

One Week Student Enrichment Programme in Mathematics on Foundations of Analysis and Algebra was jointly organized by Departments of Mathematics, St. Joseph's College for Women, Alappuzha, Bishop Moore College, Mavelikkara, Christian College Chengannur and Govt. College, Ambalappuzha from 12/10/2020 to 17/10/2020. This programme was conducted for final year B. Sc Mathematics students for a deeper understanding and an expanded knowledge of Mathematics to enhance their learning. Students from St Joseph's College for Women, Alappuzha, Bishop Moore College, Mavelikkara, Christian College Chengannur, Govt. College, Ambalappuzha, NSS College Cherthala, Sree Ayyappa College Iramalikkara participated in this One Week Programme.

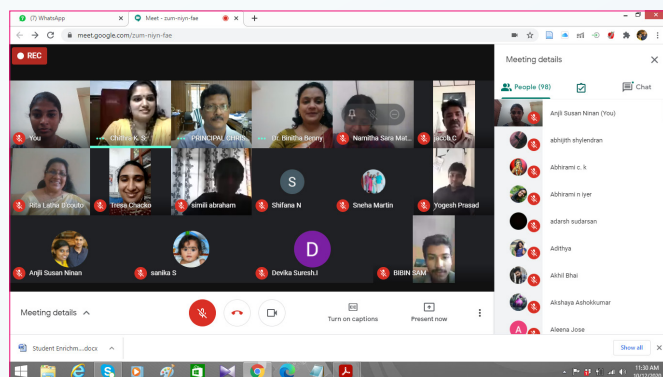
DEPARTMENT OF MATHEMATICS

INAUGURATION OF THE MATHEMATICS ASSOCIATION -2020

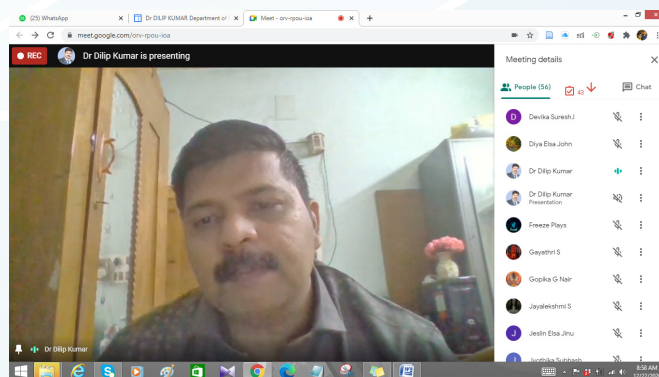


The topics that were discussed were: Matrices and System of Linear Equations, Introduction to Vector Spaces, History Of Algebra, Introduction to Real Analysis

The Resource persons were Yogesh Prasad, Asst. Professor, Dept. Of Mathematics, Dr. Vishnu Namboothiri K, Asst. Professor, Govt. College, Ambalappuzha and Ashok Kumar M G, Asst. Professor, S D College, Alappuzha. Each session was followed by a quiz.

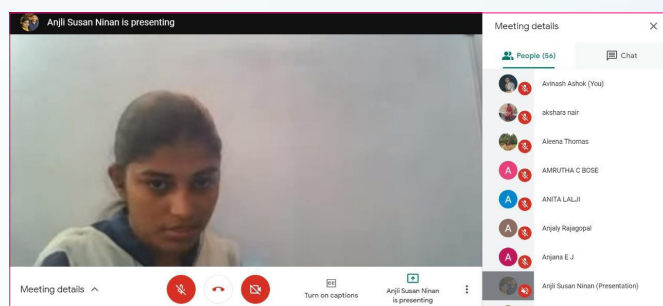
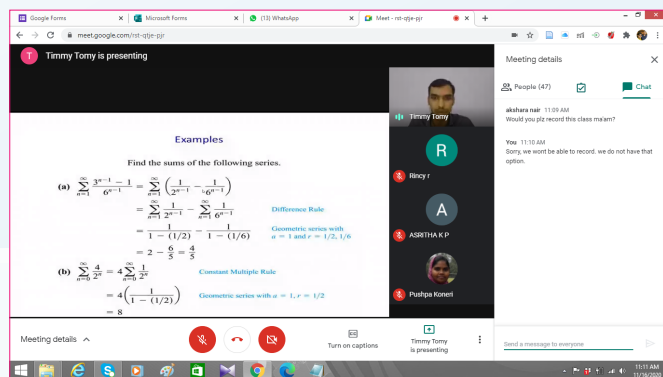


Dr. Dilip spoke about 'Math in Real World' focusing on applications of Fractional Calculus.



WORKSHOP ON ALGEBRA AND ANALYSIS

A Problem Solving Workshop on Algebra and Analysis was organized by the Department of Mathematics, Bishop Moore College, Mavelikara from 11th November to 17th November, 2020 through the Google Meet Platform. Five sessions were held by the following teachers: Dr. Anoop N Nair of College of Engineering and Management, Punnapra, Mrs. Anjali Susan Ninan of Bishop Moore College, Mavelikara, Dr. Didimos K.V. of Sacred Hearts College, Thevara, Mr. Timmy Tomy Thalavayalil of St. George's College, Aruvithura and Dr. Ullas Thomas of St. Berchmans College, Changanacherry.



NATIONAL MATHEMATICS DAY CELEBRATION

The Department celebrated National Mathematics Day "Infinity and Beyond" on 22nd December 2020 with an invited lecture by Dr. Dilip Kumar, Assistant Professor, Department of Mathematics, University of Kerala, Thiruvananthapuram and an Online Speech Competition.

STUDENT ACHIEVEMENTS

Avinash Ashok-S5

- Kerala State President • National Youth Council of India
- Represented India at the 3rd International Youth Forum on Health, SDG's and Health.
- Selected as the Youth Ambassador of Health at the Global Dialogue jointly hosted by St. Albert's College and United Nations as a part of the 75th year celebration of the UN.
- Bagged 2nd prize for Debate(Eng) at Kerala University Youth Festival 2020.
- Won the 1st prize in Group discussion competition organized by Community Skill Park, Perumbavoor in 2020
- Won the Best Manager Title in the International Level Management Fest conducted by Rajagiri College in 2021.
- Won the 1st prize in Best Management Duo Competition by Saint-gits College, Kottayam in 2021.
- Won the Best Manager Title in the National Level Management Fest by St. Mary's College in 2020.
- Bagged Second prize for the Best Manager competition conducted by St. Berchmans College in 2021
- Selected as the Youth Ambassador of Health at the Global Dialogue jointly hosted by St. Albert's College and United Nations as a part of the 75th year celebration of the UN.
- Chair of the Campaign for empowering LGBTQ+ community of Kerala
- Organized Narcotics Free India Summit on 2nd October 2020 in support with Government of India. Coordinated the 13th Cyber Security Conference of National Cyber Safety and Security Standards in association with Government of India.

Meenu A.M.-S5

- Won the 3rd prize in the Kerala University Inter Collegiate(Inter zone) Chess(women) tournament 2020- 2021

Ashi Nair- S5

- Attended one week Attachment Camp at Officer's training academy Chennai from 07 Dec2020 to 12th December 2020.

Manikantan - S5

- Kerala university intercollegiate wrestling (men) championship 2020-21: Silver medal

Vimal O.-S5

- Asia book of records: participated in the record event ' Maximum no. Of people performing fitness workout via online connectivity(2020)
- National Integration Camp: Participated in National Integration

Camp under the ministry of youth affairs and sports Govt. Of India(2020)

TEACHER'S PARTICIPATION IN SEMINARS AND ORIENTATION PROGRAMMES

Simili Abraham

1. KSHEC sponsored one week FDP “ **Higher education during covid times and after- Challenges and opportunities**”, organized by IQAC, Bishop Moore College, Mavelikara from 23rd May to 29th May 2020
2. One week online national FDP on **E-contents and ICT tools for innovative and effective teaching** organized by KS Jain institute of Engineering and Technology, Modinagar, Lucknow, from 15 July to 21 July 2020
3. One week online FDP in **Pure and applied Mathematics** organized by the PG and Research Department of Mathematics Jamal Muhammad College, Thiruchirappally from 11.06.2020 to 17.06.2020
4. Online short term course on **MOOCs, E-Content Development and Open Educational Resources**, UGC-HRDC, university of Kerala, Kariavattom, from 23-09-2020 To 29-09-2020
5. Online Short Term Course in **Advanced Group Theory**, UGC-HRD-C, university of Kerala, Kariavattom From 16.12.2020 to 22.12.2020
6. Two days international online workshop on **Recent Research Topics in Graph Theory** conducted by MES Mambad College on 20-21 May 2020
7. National Level Online Webinar on **Spectral Graph Theory :A Brief Introduction** organized by St. Joseph's Institute of Technology, Chennai on 20th July 2020
8. National Level Online Webinar on **Recent Advancement in Graph Theory** organized by Hemchandracharya North Gujarat university, Patan on 16th June 2020.
9. National Level Online Webinar on **Applications of Intuitionistic Fuzzy Graphs** organized by Kongu Engineering College, Erode on 11.10.2020
10. National Level Online Webinar on **Research Advances in Graph Theory** organized by JUSTICE BASHEER AHMED SAYEED COLLEGE FOR WOMEN, Chennai on 28th May 2020.
11. National Webinar on “**GRAPH THEORY & PROBLEM - SOLVING USING SAGE MATH**” organized by the PG & Research Department of Mathematics, S.D. College, Alappuzha on 4,5 and 6 November 2020.
12. Online Research Lecture series on **Spectral Graph Theory** organized by the Postgraduate and Research Department of Mathematics, Mar Thoma College Tiruvalla on 5th October 2020

Anjli Susan Ninan

1. Participated in the Five Days International Webinar on the Topic “**Recent Trends in Applied Mathematics**” organized by the Department of Mathematics, KSMD College, Sasthamcotta from 24th May 2021 to 28th May 2021.
2. Participated in the Faculty Development Programme on **Moodle Training Management System** organized by Bishop Moore College, Mavelikara with course material offered by Spoken Tutorial Project, IIT Bombay from 19th to 23rd October 2020
3. Participated in the “**International Conference on Emerging Trends in Mathematics and Statistics (ICETMS-2020 online)**” organized by Post Graduate Department of Mathematics & Statistics and IQAC, St. George's College Aruvithura, Kottayam in Association with Kerala Mathematical Association(KMA) during 21st to 23rd October, 2020.
4. Participated in the Online Faculty Development Programme on “**Discrete Mathematics, Graph Theory and its applications**” by the Department of Applied Sciences and Humanities in association with IQAC, Universal College, Vallivattom, Thrissur from August 17th to 21st, 2020
5. Participated in the Faculty Development Programme on **SAGE-**

MATH jointly organised by Department of Basic Sciences and Department of Master of Computer Applications, Amal Jyothi College of Engineering, Kanjirappally from 10th to 14th August 2020

6. Participated in the Online Short Term Training Programme on “**MATLAB and MATHEMATICA for Scientific Research**” organized by the Department of Mathematics, Atul Anandar College (Autonomous), Madurai from 27th to 29th July 2020.
7. Completed a 4-week **Induction/Orientation Programme** for Faculty in Universities/ Colleges/ Institutes of Higher Education from June 4th to July 1st, 2020, conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of ministry of Human Resource Development and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, and obtained grade A+.
8. Participated in the KSHEC sponsored one week online FDP on “**Higher Education During Covid Times and After- Challenges and Opportunities**”, organized by IQAC, Bishop Moore College, Mavelikara from 23rd May to 29th May 2020
9. Participated in a Two-day International Webinar on “**Recent Research Topics in Graph Theory**” organized by the Department of Mathematics, MES Mampad College (Autonomous), Malappuram during 20th to 21st May 2020.

Yogesh Prasad

1. KSHEC sponsored one-week FDP “ **Higher Education during Covid times and after- Challenges and opportunities**” organized by Bishop Moore College, 23-29 May 2020.
2. Attended state level seminar (Online) on **Teaching –Learning Integration through Learning Management System**, Organized by Nirmalgiri College, Kannur, on 16 May 2020.
3. **International Conference in Mathematics and Statistics (online)** organized by P.G department of Mathematics and Statistics, St. George College, Aruvithura on 21-23 OCTOBER 2020.

Emil Ninan Abraham

1. Completed a 4-week **Induction/Orientation Programme** for Faculty in Universities/ Colleges/ Institutes of Higher Education from June 4th to July 1st, 2020, conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of ministry of Human Resource Development and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, and obtained grade A+.
2. Participated in the KSHEC sponsored one week online FDP on “**Higher Education During Covid Times and After- Challenges and Opportunities**”, organized by IQAC, Bishop Moore College, Mavelikara from 23rd May to 29th May 2020
3. One Day National Workshop on **MOOC, Swayam and E-Content Development** organized by the Department of Commerce and IQAC, Bishop Moore College, Mavelikara, on 29th February 2020.
4. One day International Webinar-**DOCTRINA-09** titled Statistical Methods for Clinical Trials in Patients with Bacterial or Viral Infections organized by IQAC, Sir Syed College, Taliparamba on May 30, 2020.
5. National webinar on the topic **Statistical Simulation** organized by the Research Department of Statistics, Nehru Arts and Science College, Kanhangad on May 30, 2020.
6. National webinar on the topic **Bootstrap Methods for Inference** organized by the Research Department of Statistics, Nehru Arts and Science College, Kanhangad on August 17, 2020.
7. National webinar on the topic **Importance of Statistics in Pandemic Scenarios** organized by the Department of Statistics, Govt. College for Women, Thiruvananthapuram on 20-22 October, 2020.
8. Four days Online Workshop on the topic **Computational Statistics using R** organized by the Department of Statistics, CHRIST (Deemed to be University), Bangalore during 14-17 December,

2020.

- National webinar on the topic **Advances in Statistics** organized by the Department of Statistics, University of Calicut on June 29, 2021.
- Nine days Workshop on **Statistical Methodology** organized by the Department of Statistics, University of Calicut during July 30 to August 7, 2021.

TEACHER'S PAPER PRESENTATIONS

Yogesh Prasad

- Paper presentation at international conference (online) Christ College, Irinjalakuda on the topic "Sum and Product of Reversible Closure operators and Lattice of reversible closure operators" on 26th September 2020.
- Paper presentation at International Conference in Mathematics and Statistics (online) organized by P.G department of Mathematics and Statistics, St. George College, Aruvithura on 23 OCTOBER 2020.

RESOURCE PERSON AT VARIOUS SEMINARS/WORKSHOPS/COMPETITION

Anjli Susan Ninan

- Resource Person for the Problem Solving Workshop on Algebra and Analysis organized by the Department of Mathematics, Bishop Moore College, Mavelikara from 11th November to 17th November, 2020.

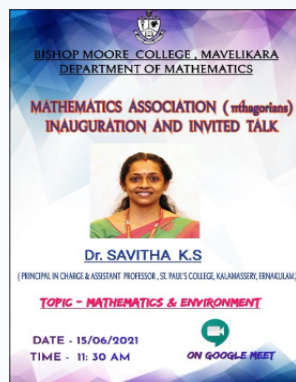
Yogesh Prasad

- Sree Ayyappa College, Iramallikara, Maths association Inauguration and invited talk (online) "Some remarkable problems in Mathematics", August 20, 2020.
- Invited Talk (online) at KKTM College, on Closure spaces, 14th September 2020.
- Student Enrichment lecture (online) at St. Josephs College, Alappuzha

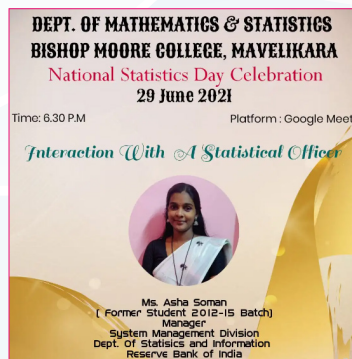
MATHEMATICS ASSOCIATION (PITHAGORIANS) INAUGURATION - 2021

The inauguration of Mathematics Association - 2021 was by the Chief guest Dr. Savitha K.S, Principal-in-charge of St. Paul's College Kalamassery, Ernakulam on 15th June 2021. She took a class on the topic Mathematics and Environment. Yogesh Prasad is the association-in-charge.

NATIONAL STATICS DAY CELEBRATION



The National Statistics day celebration was held on 29th June 2021 from 6:30 pm. College. An interactive session was held with Statistical Officer Ms. Asha Soman, Alumni of the Department(2012-15 Batch). She is the manager of System Management Division, Department of Statistics and Information, Reserve Bank of India. She discussed about the importance of Statistical knowledge and lucrative career options. Also shared her journey from a student to a Statistical Officer.



JAM COACHING - 2022

The inaugural ceremony of "Intensive coaching for JAM 2022" for B.Sc. third year students was conducted on 16th August 2021. Former students Mr.Rahul (Central University, Hariyana) Miss. Gayathri R. Pai (CUSAT,Cochin), and Ms.Sreedevi Varma(NIT,Calicut) shared their experiences about "How to crack the JAM Examination". An introduction to P.G. Entrance examinations was given by Ms.Merlin Thomas. Coaching classes were conducted regularly on Saturdays and Sundays till January 30th 2022. About 40 classes were conducted in total. Classes were handled by experienced teachers from various colleges and IIT students.

DEPARTMENT OF MATHEMATICS & STATISTICS
BISHOP MOORE COLLEGE, MAVELIKKARA
INTENSIVE COACHING FOR JAM 2022/PG ENTRANCE EXAMS
MATHEMATICAL / STATISTICAL SCIENCES

The Master of Science (M.Sc two year), Joint M.Sc-Ph.D, M.Sc-Ph.D, Dual Degree and other post-bachelor's degree programmes at the IIT's and the integrated Ph.D. programmes at IISc offer high quality education in their respective disciplines, comparable to the best in the world. The curricula for these programmes are designed to provide the students with opportunities to develop academic talent leading to challenging and rewarding professional life. Joint Admission Test (JAM) is an all India admission test conducted jointly by the Indian Institute of Technology (IITs) and Indian Institute of Science (IISc), Bangalore on behalf of the Ministry of Human Resources Development. This test enables a candidate to get admission into M.Sc. programmes, joint Ph.D. dual degree, and other post B.Sc. programmes at various IITs, Central Universities etc.

The Department of Mathematics, Bishop Moore College offers online coaching for IIT-JAM 2022/ PG Entrance exams in Mathematics & Statistics. The classes are conducted strictly following the syllabus of the exam, covering all essential topics from fundamentals. The classes will help to improve your reasoning and problem solving skills.

KEY FEATURES

- Classes lead by experienced faculty.
- All the 8 modules in the syllabus are covered.
- Solving previous year question papers of JAM/ TIFR/ Central Universities etc
- Weekly 3-4 hours Online classes (preferably evening).
- Class platform - Google Meet.
- Classes from August 2021- January 2022 (Minimum:50-60 Hrs).
- Course fee Rs. 600/-.

Classes will commence on 16th August 2021.

For more details and enquiries contact

Mr. Yogesh Prasad Assistant Professor Department of Mathematics & Statistics yogeshprd@gmail.com 9497037377	Pay Your Fees in UPI id: anujani29@okbi A/C no.: 38646072334 IFSC: SBIN005626 A/C holder: ANUJA A Google Pay no: 9526213422
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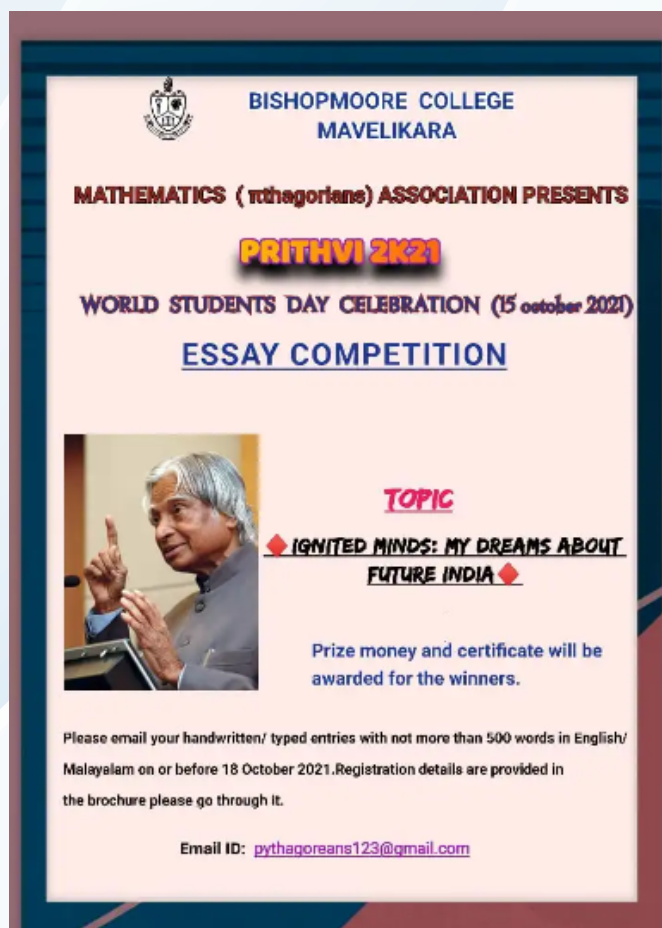
Mr. Emil Ninan Abraham
Assistant Professor
Department of Mathematics & Statistics
emilninanabraham@gmail.com
9460200557

Ensure your seats on or before August 13, 2021.

Click here for online registration

STUDENTS' DAY CELEBRATION

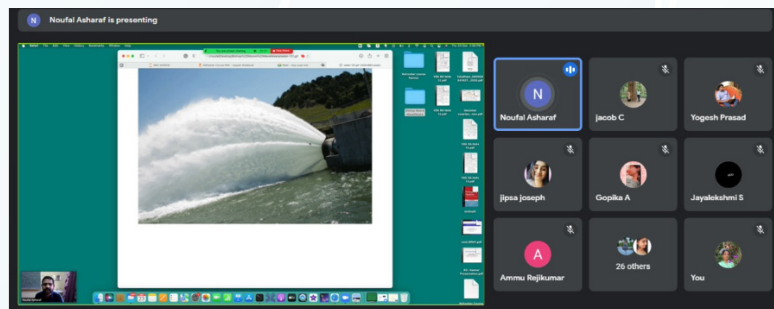
Students' Day celebration (Prthvi2k21) was held on 15th October 2021 to commemorate the birth anniversary of Dr.APJ Abdul Kalam. An essay competition was held on the topic "Ignited Minds: My Dreams about Future India" for school and college students. Winners were awarded with prize money and certificates.



NATIONAL MATHEMATICS DAY 2021

National Mathematics Day Celebrations was held on 22nd December 2021 to commemorate the 134th birth anniversary of Srinivasa Ramanujan. A poster making competition was held on the topic "Mathematics in Real Life" for college students.

A talk on the topic "Vector Calculus" was delivered by Dr. Noufal A, Assistant Professor of Mathematics, CUSAT.



CERTIFICATE COURSE

1. Certificate Course on Foundations of Analysis and Algebra

A 30 hour certificate course on **Foundations of Analysis and Algebra** was organized for B.Sc. third year students from 28th June 2021. The course was handled by eminent college teachers in Kerala. Dr. Reji T., Associate Professor, Govt.College, Chittur, inaugurated the session. Dr.Reji T., Associate Professor, Govt. College, Chittur (An Introduction to Mathematical Analysis), Ms. Linet Roslin Antony, Assistant Professor, S.H.College, Chalakudy (Sets and Functions), Dr. Didimos K.V, Assistant Professor, Sacred Heart College, Ernakulam (Visualising Calculus), Mr. Liju Alex ,Assistant Professor, BCM College, Kottayam(Introduction to Limits), and Mr. Thomas Mathew, Assistant Professor, St.Thomas College, Kozhencherry (Sequence of Real Numbers) were the Resource Persons

2. Certificate Course on "STATISTICAL TOOLS USING EXCEL AND LATEX SOFTWARE FOR PROJECT PREPARATION"

The Department of Mathematics, Bishop Moore College Mavelikara in collaboration with The Departments of Mathematics of Assumption College, Changanacherry, St. Joseph's College for Women, Alappuzha and St. Stephen's College, Pathanapuram organized a 30-hour Certificate Course on "STATISTICAL TOOLS USING EXCEL AND LATEX SOFTWARE FOR PROJECT PREPARATION" from 09th March -31st March 2022. The course was coordinated by Mr. Emil Ninan Abraham, and convened by Ms. Anjli Susan Ninan. The course was open to Undergraduate, Postgraduate and Research students from various colleges in Kerala and 149 students registered for the course.

Subject experts and specialists from diverse fields delivered lectures and interacted with students over Google Meet platform. Mr. Mahesh Divakaran, Statistical Programmer, IBM Certified Data Science Professional, SAS 9.4 Base Certified Specialist Genpro Research, Trivandrum and Mr. Emil Abraham, Assistant Professor of Statistics, Bishop Moore College handled the first two modules. Mr. Jesse P. Francis, Assistant Professor, Department of Mathematics, St. Joseph's College(Autonomous), Bangalore and Ms. Anjli Susan Ninan, Assistant Professor of Mathematics, Bishop Moore College, Mavelikara handled the third module on LaTeX.

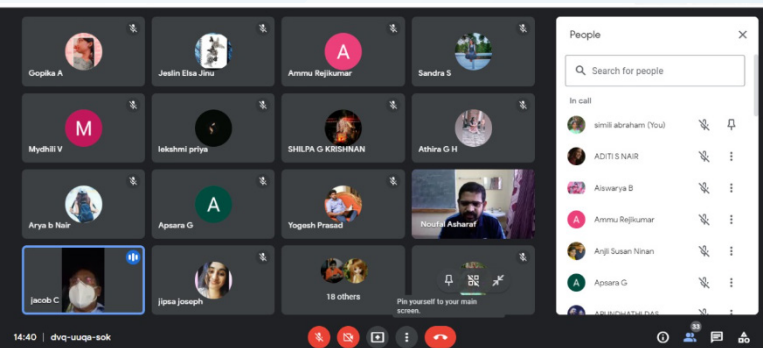
A Google classroom was created for providing study materials and assignments. Participants were awarded Certificates on the successful completion of the course. At the end of the course, feedback forms were collected from the students.

PUBLICATIONS

Yogesh Prasad, Johnson T.P, Reversible Cech closure Spaces, J. Math. Comput. Sci. 11 (2021), No. 4, 5083-5094.

Paper Presentations

1. **Yogesh Prasad**: "Minimal Feebly Semiseparated Closure Spaces", International Web conference on Wavelet transforms and Image Processing, Al-Ameen College Edathala, Cochin on August 11, 2021.



FDPS/SEMINARS/CONFERENCES/WORKSHOPS ATTENDED BY FACULTY

Mrs. Simili Abraham

1. Six day Faculty Development Programme on MATHEMATICS AND STATISTICS IN EMERGING FIELD conducted by KPR institute of Engineering and Technology, Coimbatore from 05-07-2021 to 10.07.2021
2. One Day Webinar on "STRUCTURES ON H TREES" organized by Department of Science and Humanities, KGISL INSTITUTE OF TECHNOLOGY, Coimbatore held on 08.10.2021
3. One Day Webinar on CURRENT TRENDS IN CHEMICAL GRAPH THEORY (CTCGT-2021-2022) on 10th July 2021. Organized by PG and Research Department of Mathematics, C.Abdul Hakeem College (autonomous) Melvisharam
4. "TWO DAY NATIONAL WEBINAR ON DOMINATIONS IN GRAPHS" on 17th & 18th of August 2021 Organized by PG and Research Department of Mathematics, C.Abdul Hakeem College (autonomous) Melvisharam

Mrs. Anjali Susan Ninan

1. Refresher Course in Applicable Mathematics from 15th to 29th, December 2021 organized by the Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with the Deshbandhu College, University of Delhi
2. Online Refresher Course in Mathematics from 04.02.2022 to 17.02.2022 at The Human Resource Development Centre, Golden Jubilee building, Kariavattom, University of Kerala

Mr. Yogesh Prasad

1. "Advance training in Mathematics- Geometry of Complex Functions" from July 14- August 8, 2021, Jointly organized by TIFR, IIT Bombay (Online Mode).
2. "Teachers Professional Development Programme on Mathematics Modelling" on 22-23 November 2021, jointly organized by KSCSTE, HBCSE, TIFR, CUSAT and Bishop Moore College Mavelikara.
3. UGC Sponsored Induction Programme, from 28 February to March 29, 2022, conducted online by HRDC, Kerala University, Trivandrum.

Mr. Emil Ninan Abraham

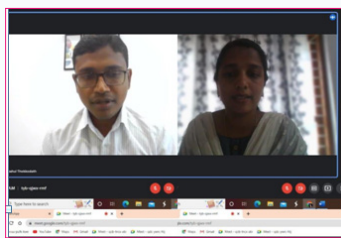
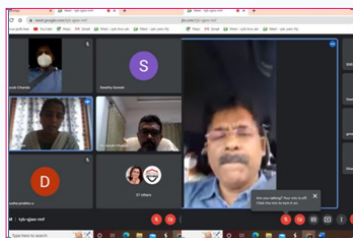
National webinar on the topic Advances in Statistics organized by the Department of Statistics, University of Calicut on June 29, 2021.

One-week Online Training on R Programming and Latex Typesetting organized by the Department of Statistics, Institute of Science, Banaras Hindu University, Varanasi from 5-10 January, 2021.

One Week Faculty Development Programme on Best Practices for Online Teaching: Classrooms, Courseware and Tools conducted by the Faculty Development Centre of the KSHEC, Thiruvananthapuram from 8th to 14th July, 2021 through online mode for the faculty members of the state universities and affiliated colleges.

Mathematics Association (π thagorians) Inauguration 2022 -2023

The Mathematics Association " π thagorians" was inaugurated on 25th June 2022 by the Resource person of the day, Dr. Rahul T, Assistant Adviser, Department of Statistics and Information Management, Reserve Bank of India, who also gave a talk on "Career Prospects in Statistics."



Pre-UG Foundation course in Mathematics

A one-week induction programme in Mathematics for students who completed their plus-two examination was conducted from 18th July 2022 to 22nd July 2022. Coordinator of the programme was Mr.Yogesh Prasad.

The Resource Persons who handled the sessions were Dr. Ambat Vijayakumar, Emeritus Professor of Department of Mathematics in Cochin University of Science and Technology, Mr. Jils Varghese, Assistant Professor of Department of Physical Education, Bishop Moore College, Dr.E Krishnan, Former Head of Department of Mathematics, University College, Thiruvananthapuram, Ms. Anjali Susan Ninan, Assistant Professor of Department of Mathematics, Bishop Moore College, Dr. Preenu C S, Assistant Professor of Department of Mathematics, Thiruvananthapuram, Dr. Nair Anup Chandrasekharan, Assistant Professor of Department of English, Bishop Moore College, Dr. Aparna Lakshmanan, Assistant Professor, CUSAT, Mr. Yogesh Prasad, Assistant Professor of Department of Mathematics, Bishop Moore College and Dr. Binu R, Assistant Professor of Department of Mathematics, RSET, Cochin.

CERTIFICATE COURSES

1. Certificate Course in Basic Linear Algebra & Calculus for Business and Management Studies

**DEPARTMENT OF MATHEMATICS
BISHOP MOORE COLLEGE,
MAVELIKARA**

**CERTIFICATE COURSE
IN BASIC LINEAR
ALGEBRA &
CALCULUS FOR
BUSINESS &
MANAGEMENT
STUDIES**

DURATION :30 HOURS

- Course Platform: Google Meet
- For Syllabus [Click here](#)
- Commencement Date: 10th August, 2022

ABOUT THE COURSE
This course is designed to help students pursuing Commerce, Business or Economics in degree level. Business Mathematics is essential for recording and managing business operations for commercial enterprises. It is used in accounting, inventory management, marketing, sales, forecasting and financial analysis. Learning these skills can help students to open up a broad range of career and professional opportunities.

COURSE REGISTRATION

- Course Fee: Rs. 300/-
- For registration [Click here](#)
- Last Date for Registration: 09th August, 2022

CONTACT US

Yogesh Prasad
Course Coordinator

+91-9497037377
mathsbmc@gmail.com

Bishop Moore College, Mavelikara

COURSE OBJECTIVE
To understand the basic concept of Linear Algebra and Calculus and understanding its applications in Economics, Finance, Commerce and Management.

COURSE OUTCOME

- Understand the Mathematical Concepts: Sets, Functions, Limits, Derivatives, Integrals, Matrices and Linear equations and their applications.
- Apply knowledge in Mathematics (Algebra, Matrices, Calculus) in solving business problems.
- Understand and apply the skills required for selected mathematical concepts encountered in business situations.

ORGANIZING COMMITTEE

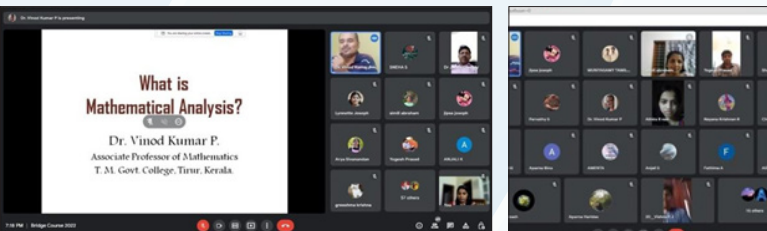
Dr. Jacob Chandry, Principal
Dr. Lynnette Joseph, IQAC Coordinator
Mrs. Simli Abraham, HOD, Mathematics
Mrs. Anjali Susan Ninan, Asst. Prof., Mathematics
Mr. Emil Ninan Abraham Asst. Prof., Statistics

A 30 hour certificate course on **Basic Linear Algebra & Calculus for Business and Management Studies** was organized from 10th August, 2021 onwards. This course is designed to help students pursuing Commerce, Business or Economics at the degree level. The Objective of this course is to understand the basic concept of Linear Algebra and Calculus and understanding its applications. Dr.Yogesh Prasad was the Resource Person.

Workshop on Foundations of Analysis and Algebra 2022

Department of Mathematics of Bishop Moore College organised a

30 hour **Certificate Course on Foundations of Analysis and Algebra** for the final year students. The course began on 29th August 2022. The resource persons for the courses were Dr. Vinod Kumar P, Associate Professor, TMG Govt. College, Tirur, Dr. Rahul Rajan, St. Aloysius College, Dr. Didimos K.V, S.H. College Thevara, Dr. Mahesh T.V., M.G. College, Trivandrum, Mr. Manesh Jacob, Marthoma College Thiruvalla and Mr. Yogesh Prasad.



PUBLICATIONS

1. Yogesh Prasad, Johnson T.P, Minimal Feebly Semiseparated Closure Spaces, *Int. J. Math and Appl.*, (2022) 9(4), 45-51.
2. KUMAR, C. Satheesh; ABRAHAM, Emil Ninan. On Zero-trun-

cated Alternative Hyper-Poisson Distribution and its Applications. *Calcutta Statistical Association Bulletin*, [S.I.], v.74, n.1, p.7-26, July 2022. ISSN: 0008-0683. DOI: <https://doi.org/10.1177/00080683221094170> (Impact factor 1.356)

FDPs/Seminars/Conferences/Workshops attended by Faculty Mrs. Simili Abraham

1. Faculty Development Programme on MOODLE BASED MANAGEMENT SYSTEM AND COURSE DESIGN conducted online by KSHEC from 23-28 June 2022

Mrs. Anjli Susan Ninan

1. Faculty Development Programme on MOODLE BASED MANAGEMENT SYSTEM AND COURSE DESIGN conducted online by KSHEC from 23-28 June 2022

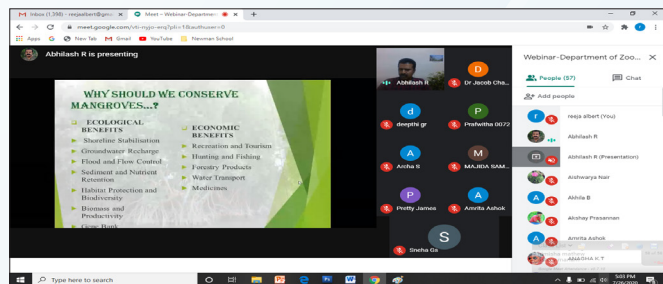
Mr. Yogesh Prasad

1. Faculty Development Programme on MOODLE BASED MANAGEMENT SYSTEM AND COURSE DESIGN conducted online by KSHEC from 23-28 June 2022

DEPARTMENT OF ZOOLOGY ANNUAL REPORT 2020-2022

INVITED TALK

The Department of Zoology celebrated "International Day for the Conservation of the Mangrove Ecosystem" on 26th July, 2020 with the aim of increasing the awareness about mangrove ecosystems. Dr. Abhilash R., Assistant Professor, P. G. Department of Zoology, Christian College, Chengannur made a inspired talk on the importance of mangroves and various measures for its sustainable management.



Talk on "Conservation of Mangrove Ecosystem"

Arctic Expedition " on 2nd February 2021. He emphasized the need for conservation of environment drawing from his own research experiences at Arctic region. He also inaugurated the Association activities of the academic year 2020-2021.

POSTER DESIGNING COMPETITION

On the occasion of "World Wetland Day" Department of Zoology organized a Poster Designing Competition on 2nd February, 2021. Among the 21 participants, Gokul R. S. (Sixth Semester B.A. English) secured First prize, Anagha K. T. (Sixth Semester B.Sc. Zoology) secured Second prize and Durga B. (First Semester M.Sc. Physics) secured Third prize.



Gokul R. S. - First Prize



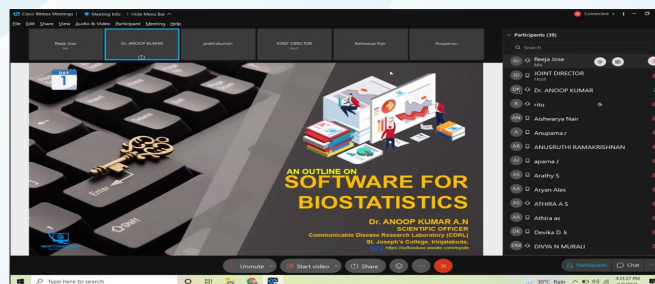
Anagha K. T. - Second Prize

WEBINAR



Webinar on "Indian Arctic Expedition"

WORKSHOP



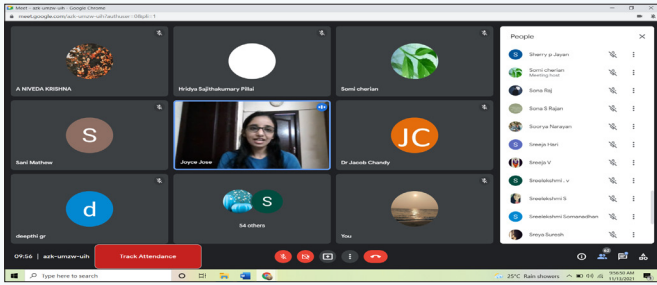
Hands on Training Workshop on Biostatistics

Dr. Mahesh Mohan., Assistant Professor, School of Environmental Sciences, M. G. University, Kottayam gave a talk on the topic " Indian

The Department Zoology in association with Department of Biotechnology, CEPCI Laboratory & Research Institute, Kollam organized a 5-day online workshop on Biostatistics from August 9th- 13th 2021. Dr. Anoop Kumar A. N., Scientific Officer, Communicable Disease Research Laboratory (CDRL), St. Joseph's College, Irinjalakuda was the Resource person.

ASSOCIATION INAUGURATION

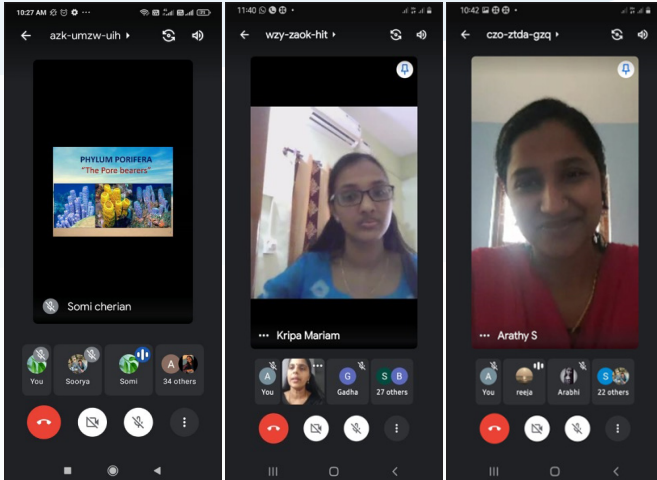
Dr. Joyce Jose., Assistant Professor, Dept. of Zoology, St. Thomas College, Thrissur, inaugurated the Association activities of academic year 2021-2022 on 13th November 2021. She delivered a talk on "Wonders of Zoology" and enlightened the students by sharing her own experiences in the research field.



Inauguration of Association Activities 2021-22

BRIDGE COURSE

The Department of Zoology in association with Internal Quality Assurance Cell (IQAC) of Bishop Moore College, Mavelikara conducted a Bridge Course for First Year UG Students of Life Science from 24th November - 07th December 2021. This course enabled the students to brush up previous knowledge and grasp the basics of present course. It also provided an opportunity for students to have first-hand experience with museum specimens. The classes were handled by teachers and alumni of the department.



Bridge course for First Year UG Life Science Students

FIELD VISIT

A Field visit was arranged by the department to Nelliampathy and Parambikulam Tiger Reserve for Final Year Students on 21st and 22nd April 2022. This trip was a tremendous learning experience for the students.



Field visit by Final Year Students

VISIT TO FCI, MAVELIKARA

As a part of the ongoing "Azadi Ka Amrit Mahotsav" celebrations, Food Corporation of India, Divisional office, Alappuzha had organized various functions during the month of April 2022 at all office units and the students and teachers of the Department participated in the same. Shri. Arun Kumar M.S, Member of Legislative Assembly, Mavelikara officially inaugurated the activities at Food Storage Depot in Mavelikara on 25th April 2022. Principal Dr. Jacob Chandy delivered Keynote address in this function.



Visit to FCI- Mavelikara

WORLD BEE DAY CELEBRATIONS



Bee day Talk



Winners of Bee Quiz

In association with ICAR-Krishi Vigyan Kendra, Alappuzha and ICAR-CPCRI, Krishnapuram the department organized World bee day celebrations on 20th May 2022. Bee Quiz and Talk on the Importance of Honey bees were conducted.

WORKSHOP ATTENDED

The Students and Teachers of the Department attended the One-day Workshop on “**Mushroom Farming**”, hosted by the Tropical Institute of Ecological Science (TIES), Kottayam on 2nd July 2022. The Workshop provided information about the cultivation of Oyster mushroom using paddy straw. Hands on training related to preparation of mushroom beds using poly bag method and effective harvesting of sporocarps was given to the students.



Visit to Tropical Institute of Ecological Science (TIES), Kottayam

WORKSHOP ORGANISED

A One-day Workshop on “**Fish Farming**” was organised on 23rd August 2022 for providing detailed information about various culture fishes and modern techniques involved in fish culturing. Dr. Firozia Naseema Jalal (Assistant Fisheries Extension Officer, Fisheries Complex, Pannivelichira) carried out this fruitful Technical Session.



Workshop on Fish Farming

CERTIFICATE COURSES

The Department offered two certificate courses during the academic year.

- Certificate course on **Mushroom Cultivation** from 14th June to 4th July 2022 for Fourth Semester BSc Zoology students. 27 students completed the certificate course.



Hands on Training -Certificate course on Mushroom Cultivation

- Certificate course on **Fish Farming** for Fourth Semester BSc Zoology Complementary students and Second Semester BSc Zoology students. The course commenced on 16th July 2022 and 48 students completed this course.

COMMUNITY ENRICHMENT PROGRAMMES

The Department organized two Community Enrichment Programmes in association with Kallumala Chapter of Alumni Association. This programme was officially inaugurated by the Principal and about 20 members of Alumni Association got training in each session.

- **Solid Waste Management & Training on Vermicomposting** – 12th July 2022
- **Mushroom Cultivation Training**- 17th August 2022



Training on Vermicomposting



Training on Mushroom Cultivation

PUBLICATIONS

- Chandy, J., Jacob, A., and Cherian, S. 2020. Evaluation of Bioconcentration of Organophosphate Pesticides Monocrotophos and Quinalphos in Freshwater Fish *Channa striatus*. *Journal of Basic and Applied Research in Biomedicine*, 6(1), 38-44.
- C Jacob, AM Jacob, and C Somi. 2020. Bioassay studies of methomyl (carbamate pesticide) in *Channa striatus* (Bloch). *Journal of Experimental Zoology*, 23(2), 1191-1196.

MoU SIGNED BY THE DEPARTMENT

Name of the collaborating institution with whom the MoU linkage is made	Year of signing MoU	Duration of MoU
Tropical Institute of Ecological Sciences, Kottayam	2022	1 year

STUDENT ACHIEVEMENTS



Suby S. Thomas - Secured 9th position in University of Kerala, BSc Zoology 2021 with CGPA (9.039)



Soorya Narayan (S1 Zoology) - Won Third Place for Percussion Instrument-Chenda in Kerala University Youth Festival held at Kollam from 23rd to 27th April 2022

TEACHERS' PARTICIPATION IN FDP

Name	Dates	Title of the FDP/ Short Term Course	Host institution/agency
Dr. Deepthi G.R.	19/10/2020-23/10/2020	FDP on "Moodle Learning Management System"	Bishop Moore College Mavelikkara with course material provided by Spoken Tutorial Project, IIT Bombay
	23/06/2022-28/06/2022	One Week FDP on Moodle Based Learning Management System and Course Design	Faculty Development Centre, KSHEC, Thiruvananthapuram
Dr. Reeja Jose	12/08/2020-18/08/2020	One Week Online FDP on "Towards a Digital Era of Teaching and Learning"	KSMDB College, Sasthamcotta and UGC-HRDC, University of Kerala, Thiruvananthapuram
	20/08/2020 - 26/08/2020	UGC-Sponsored Live Online Short-Term Course in "Student Counselling and Mentoring"	UGC-HRDC, University of Kerala, Kariavattom, Thiruvananthapuram
	24/09/2020 - 30/09/2020	One Week Online National Level Short-Term Course in "E-Content Development"	IQAC, Milad-E-Sherief Memorial College, Kayamkulam in collaboration with UGC-HRDC, University of Kerala, Kariavattom, Thiruvananthapuram
	17/05/2021 -31/05/2021	Online Two - Week Interdisciplinary Refresher Course/ Faculty Development Programme on Research Methodology and Data Analysis	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MHRD- Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
	23/06/2022-28/06/2022	One Week FDP on Moodle Based Learning Management System and Course Design	Faculty Development Centre, KSHEC, Thiruvananthapuram
Somi Cherian	04/08/2020-10/08/2020	One Week Online FDP on Pedagogical and E-Learning Tools for Teaching	SD College, Alappuzha in collaboration with The Kerala State Higher Education Council
	12/08/2020-18/08/2020	One Week Online FDP on Towards a Digital Era of Teaching and Learning	KSMDB College, Sasthamcotta and UGC-HRDC, University of Kerala, Thiruvananthapuram
	01/09/2020-30/09/2020	Four Week Induction/Orientation Programme	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MHRD- Pandit Madan Mohan Malaviya National Mission on Teachers And Teaching
	07/10/2020 -13/10/2020	One Week Online FDP on Instrumental Methods of Analysis	Department of Chemistry, Bishop Moore College, Mavelikkara
	14/10/2020 -23/10/2020	Ten Days Online Certificate Course On "Data Analysis for Life Sciences Using R Programming	Guru Nanak Centre for Research, Guru Nanak College, Chennai
	19/10/2020 -23/10/2020	Faculty Development Programme on "MOODLE Learning Management System"	Bishop Moore College, Mavelikkara
	02/11/2020, 04/11/2020, 07/11/2020	FDP on Best Practices in Research	Sree Narayana College, Nattika in collaboration with the Kerala State Higher Education Council
	10/05/2021-14/05/2021	Five Days Online FDP on Research Methodology	School of Education, Lingaya's Vidyapeeth, Hariyana
	17/05/2021 -31/05/2021	Online Two - Week Interdisciplinary Refresher Course/ Faculty Development Programme on Research Methodology and Data Analysis	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MHRD- Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
	23/06/2022-28/06/2022	One Week FDP on Moodle Based Learning Management System and Course Design	Faculty Development Centre, KSHEC, Thiruvananthapuram

PARTICIPATION IN WEBINARS/ONLINE TRAINING PROGRAMMES/WORKSHOPS ETC

Teacher/Student	No: of Participations
Teachers	70
Students	64

MALAYALAM

കോവിഡ് മഹാമാരി സൃഷ്ടിച്ച വെല്ലുവിളികളെ ഓൺലൈൻ പ്ലാറ്റ്ഫോമുകളുടെ സഹായത്തോടെ നേരിട്ടുകൊണ്ട് പാഠ്യപാഠ്യേതരമണ്ഡലങ്ങളെ സജീവമാക്കിയ അദ്ധ്യയനവർഷമാണ് 2020-2021.

സി.എം.എസ്.കോളജ് മലയാളവിഭാഗം മുൻമേധാവിയും എഴുത്തുകാരനുമായ ഡോ.ബാബു ചെറിയാനാണ് പ്രസ്തുത വർഷത്തെ മലയാളസമാജം ഉദ്ഘാടനംചെയ്തത്.

ഐ.ക്യു.എ.സി.യുടെ സഹകരണത്തോടെ നടത്തിയ ദിദിന വെബിനാറിൽ 'ചെറുകഥ - ചരിത്രവും വർത്തമാനവും' എന്ന വിഷയത്തിൽ ബി.മുരളി (പത്രപ്രവർത്തകൻ, ചെറുകഥാകൃത്ത്), ഡോ.ദിവ്യ എസ്. കേശവൻ എന്നിവർ സംസാരിച്ചു.

മലയാളവിഭാഗത്തിന്റെ ആഭിമുഖ്യത്തിൽ നടത്തിവരുന്ന റവ.ജോർജ് മാത്തൻ സ്മാരക പ്രഭാഷണ പരമ്പര ഇക്കൊല്ലം

സൂം പ്ലാറ്റ്ഫോമിലാണ് നടത്താൻ സാധിച്ചത്. മലയാളത്തിലെ പ്രമുഖ സാഹിത്യകാരൻ സക്കറിയ 'യാത്രയും സാഹിത്യവും' എന്ന വിഷയത്തിൽ സ്മാരക പ്രഭാഷണം നടത്തി. ഡോ.കെ. എൻ.വിശ്വനാഥൻനായർ (റിട്ട. പ്രിൻസിപ്പൽ, എൻ.എസ്. എസ്.കോളജ്, പന്തളം) റവ.ജോർജ്ജ് മാത്തൻ അനുസ്മരണം നിർവ്വഹിച്ചു. <https://youtu.be/pfwVApaAb0U>

GAD-TLC യുടെ ആഭിമുഖ്യത്തിൽ Media and Art in Teaching and Learning എന്ന വിഷയത്തിൽ രണ്ടാഴ്ച ദൈർഘ്യമുള്ള Faculty Development Programme(Inter disciplinary) നടത്തുകയുണ്ടായി.

2018-2021 ബാച്ചിലെ എസ്. പാർവ്വതി ബി.എ. മലയാളം പരീക്ഷയ്ക്ക് യൂണിവേഴ്സിറ്റി തലത്തിൽ ഒന്നാം റാങ്ക് കരസ്ഥമാക്കി

മലയാളവിഭാഗം (2021-2022)

കായംകുളം എം.എസ്. എം. കോളജ് മലയാളവിഭാഗം അദ്ധ്യക്ഷയും എഴുത്തുകാരിയുമായ ഡോ. ബീന എം. കെ. 2021- 2022 അദ്ധ്യയവർഷത്തെ മലയാളസമാജം ഉദ്ഘാടനംചെയ്തു.

വിശിഷ്ടാതിഥികളുടെ പ്രഭാഷണങ്ങളും വിദ്യാർത്ഥികളുടെ വിവിധ സാഹിത്യപരിപാടികളും കോർത്തിണക്കി വായനപക്ഷം സമുചിതം ആചരിച്ചു. റവ.ജോർജ്ജ് മാത്തൻ സ്മാരക പ്രഭാഷണം ഇക്കൊല്ലവും സൂം പ്ലാറ്റ്ഫോമിലാണ് നടത്താൻ സാധിച്ചത്. അദ്ധ്യാപകനും ഭാഷാശാസ്ത്രജ്ഞനുമായ ഡോ. ടി. ബി. വേണുഗോപാലപ്പണിക്കർ 'യാത്രയും സാഹിത്യവും' എന്ന വിഷയത്തിൽ സ്മാരക പ്രഭാഷണം നടത്തി. GAD-TLC യുടെ ആഭിമുഖ്യത്തിൽ മുപ്പതു മണിക്കൂർ ദൈർഘ്യമുള്ള ഓൺലൈൻ സർട്ടിഫിക്കേറ്റ് കോഴ്സ് (Communication Skills in English) സംഘടിപ്പിച്ചു.

DEPARTMENT OF PHYSICAL EDUCATION

The students of the College put up a sterling performance in sports and the same is encapsulated below:

PERFORMANCE IN 2020-21

- Bagged Third Position in Kerala University Intercollegiate Chess (Women) Championship.
- Conducted a Webinar on Prevention of Chronic Disease by means of Diet & Physical Activity ByDr.Frijo S C, Assistant Professor, Govt College, Thalassery.
- 43 students selected Health and fitness education as open course in S5.

The following students won laurels for the College in various events:

Akhila S (S6 Physics)	—	Gold (Judo)
Indhu Subhash	—	Bronze (Judo)
Rohit R	—	(Judo)
Arun B	—	Gold (Judo)
Anil Das	—	Bronze (Judo)
Muhammad Nawfal	—	Bronze (Judo)
Akhila S (S6 Physics)	—	Gold (Wrestling)
Jisha Thomas	—	Gold (Wrestling)
Sreedhu S	—	Silver (Wrestling)
Manikanttan	—	Silver (Wrestling)
Abex Alexander	—	Silver (Wrestling)
Aleena Angel Kurian	—	Bronze (Chess)
Darshana Dilip	—	Bronze (Chess)
Meenu A M	—	Bronze (Chess)
Bhagyasree	—	Bronze (Chess)
Achuraj R	—	Bronze (Boxing)
Abubacker Siddiq R	—	Bronze (Boxing)
Bhagyalakshmi S	—	Silver (Shot Put)
Bhagyalakshmi S	—	Silver (Hammer Throw)
Jesna James	—	Cycling (Nationals)

The College Volleyball, Softball, Baseball Teams Participated in the Kerala University Intercollegiate championships.

PERFORMANCE IN 2021-22

- Champions in the Kerala University Intercollegiate Judo (Men) Championship.
- Second Position in Kerala University Intercollegiate Wrestling (Men) Championship.
- Third Position in Kerala University Intercollegiate Judo (Women) Championship.
- Conducted a Webinar on Fight Stress Through Yoga By Dr.Bindu. M, Assistant Professor, Union Christian College, Aluva.
- 43 students selected Health and Fitness education as open course in S5.

The following students did the College proud by their performance in various events:

Muhammad Nawfal	—	National (Judo & Wrestling)
Rohit R	—	National (Judo)
Sherin Geevarghese	—	National (Wrestling)
Rohit R	—	Gold (Judo)
Anil Das	—	Silver (Judo)
Muhammad Nawfal	—	Gold (Judo)
Mukundhan	—	Bronze (Judo)
Muhammad Nawfal	—	Gold (Wrestling)
Sherin Geevarghese	—	Gold (Wrestling)
Navaneeth Karthik	—	Silver (Wrestling)
Rohith R	—	Bronze (Wrestling)
Abex Alexander	—	Silver (Wrestling)
Rakesh R	—	Bronze (Wrestling)
Krishnapriya L	—	Bronze (Wrestling)
Nijimol S Chinnu	—	Bronze (Wrestling)
Anukrishnan A	—	Bronze (Wrestling)

The College Softball, Baseball, Football, Wrestling, Judo and Tug of War Teams Participated in the Kerala University Intercollegiate championships.

DEPARTMENT OF ECONOMICS

NATIONAL WEBINAR

A National Webinar was organized on the topic 'Econometrics for Beginners' on 22nd September 2020 and it was inaugurated by Dr. Jacob Chandy, Principal, Bishop Moore College, Mavelikara, Kerala. Resource person for this program was Dr. Duraisamy A, Associate Professor, XIME & Former Head of the Department Economics, Madras Christian College, Chennai.

Organised by
Department of Economics

**BISHOP MOORE COLLEGE
MAVELIKARA**
Affiliated to University of Kerala,
Re-accredited with 'A' Grade by NAAC
Ranked (76th) among the top 100
colleges in India by NIRF 2020.

Organising Committee
Dr. Jacob Chandy
Principal

Dr. Ranjith Mathew Abraham
HoD & Convenor

Coordinators
Prof. Anil Mathews
Mr. Dipu Joseph
Dr. Reji G.D. - 9656196911

ECONOMETRICS

FOR BEGINNERS

NATIONAL WEBINAR

Tuesday 22nd September, 2020
10.30 A.M – 12.30 P.M

Resource Person
Dr. Duraisamy A
Associate Professor, XIME &
Former Head Dept. of Economics,
Madras Christian College,
Chennai

Registration Link:
<https://forms.gle/Kt613n8Gc4V2PL6u9>

E-Certificate will be issued to all those who actively participate in the webinar
Meeting joining link will be sent to the Registered E-mail & WhatsApp.

INAUGURATION OF MA IN BEHAVIORAL ECONOMICS AND DATA SCIENCE

The inaugural function of the Post Graduate Program MA Behavioral Economics and Data Science was held on 6th January 2021. Rev. Levin Koshy, College Chaplain Bishop Moore College Mavelikara, inaugurated the program. The meeting was presided over by Dr. Jacob Chandy, Principal, Bishop Moore College Mavelikara.

STUDENT ACHIEVEMENTS 2020-21

Ashlin K Jayan

- Prof. Elizabeth Memorial Cash Award for being the top scorer of the Department of Economics
- Was the finalist of Best Outgoing Student Contest of Bishop Moore College 2019-2020 (STARS OF MOORE)

NEW FACULTY

Dr. Reji G D was appointed as a faculty on 1st June 2020.



FACULTY ACHIEVEMENTS 2020-21

PAPER PUBLICATIONS

Dr. Ranjith Mathew Abraham, Associate Professor published a paper entitled "Determinants of Indian Stock Market Movements: An Empirical Study", SCMS Journal of Indian Management, June 2021.

Dr. Ranjith Mathew Abraham, Associate Professor published a paper entitled "Post Reform Trends in Profitability in Crop Cultivation in Kerala: Evidences from the Cost of Cultivation Surveys Data, Economic Affairs, Vol.66, No.04, pp01-08, December 2021.

SEMINARS/CONFERENCES/PRESENTATIONS ATTENDED BY TEACHERS

Name of Teacher	Name of Orientation/Refresher course/Seminar/Conference	Duration
Dr Reji G D	Two Week Online National Faculty Development Program on "Media and Art in Teaching and Learning"	12 - 25 January 2021
	FDP on Moodle Learning Management System, IIT Bombay	19 -23 October 2020
	One-Day Online Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Action Plan Workshop, Mahatma Gandhi National Council of Rural Education, Hyderabad.	29 September 2020
	"Effective Teaching" in the IQAC Webinar Series on "Emerging Trends in Higher Education"	10 July 2020
	Two-Day Webinar on "The Art of Publishing in Indexed Journals", JAIN (Deemed-to-be University) Kochi	13 & 14 July 2020
	Webinar on E-teaching	6 July 2020
	One week Online Faculty Development Programme on Higher Education During COVID Times and After: Challenges and Opportunities	23-29 May 2020
Mr. Dipu Joseph	National Webinar on "Post Covid Kerala: Problems and Prospects", Department of Economics, Union Christian College, Aluva.	22 May 2020
	UGC HRDC Orientation Programme	3-23 January 2020

POPULUS 2022

On the occasion of World Population Day, the Department of Economics, Bishop Moore College organized a seminar on 8th July 2022 and a quiz competition on 11th July 2022 under the name POPULUS 2022. Mrs. Athira U S, II year PG student led the seminar based on the topic "Demographic Trends in India".

On 11th July 2022, celebrating World Population Day, the Department of Economics organized Populus 2K22, under which quiz completion was conducted. A total of 17 teams participated in the quiz competition and the six teams with the highest marks in the elimination round entered the final round.

BISHOP MOORE COLLEGE, MAVELIKARA
(Re-Accredited with 'A' Grade by NAAC & SAAC and Ranked among the Top 100 Colleges in India-NIRF)

DEPARTMENT OF ECONOMICS
presents...
POPULUS
Celebrating World Population Day,
July 11 2K22

Quiz Competition
@ Department Level
8 July 2022 @ 11 am
Attractive Cash Prizes & Certificates
* Max. 2 team from each department
* Each team should consist of 2 students

Population Day Seminar
@ School & College Level
7th & 11th July 2022 @ 10am

For Registration

Mr. Nimal S. Varghese
Coordinator
96012 44000

Dr. Reji, G.D
Coordinator
96061 56011

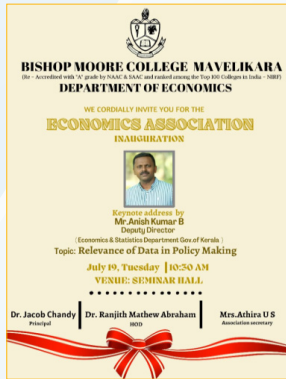
Dr. Ranjith Mathew A
HoD & Area In-charge

Dr. Jacob Chandy
Principal

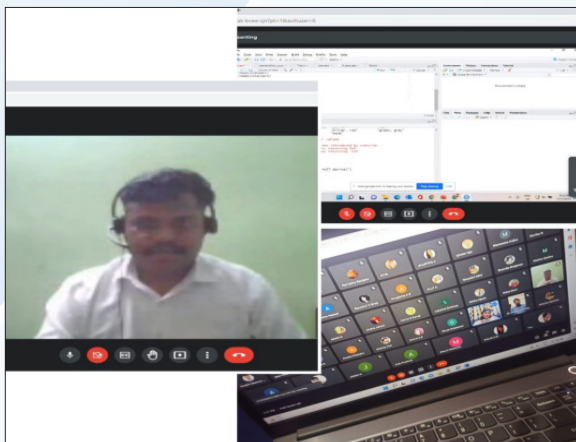
INAUGURATION OF THE ECONOMICS ASSOCIATION

Department of Economics initiated the Association Programmes with the inauguration of the Economic Association on 19th July 2022 in Seminar Hall. The program was titled "Oikanomia 2022". Mr. Anish Kumar B, Deputy Director, Economics and Statistics Department, Govt. of Kerala, inaugurated the programme by lighting the lamp

and then offered a talk on “Relevance of Data in Policy Making



CERTIFICATE COURSE



Department of Economics, Bishop Moore College Mavelikara organized a 30Hrs certificate course on THEORITICAL AND PRACTICAL APPLICATION OF DATA SCIENCE WITH R. This course was first of its kind organized by the department which aims at giving the students hands- on experience in data analysis software. The course was began on 27th July 2022 and continued up to 10th August 2022.

SABHYATHA

The department of Economics conducted a cultural event “Sabhyatha” on 19 August 2022. This program aimed at providing the students a platform to showcase their talents.



FREEDOM QUIZ



As part of Celebrating 75 years of Indian Independence, the IQAC of Bishop Moore College Mavelikara in association with the Department of Economics organized a Freedom Quiz on 22 August 2022. The competition began at 11:30 am at Seminar Hall, Bishop Moore College, Mavelikara. A total of 22 teams from various departments of the college participated in the competition.

EXPERT TALK

The Economic Association of the department of Economics Bishop Moore College conducted an Expert level talk on introduction to the basics of R and Python. This talk was delivered by Dr. Lynnet Joseph, Assistant Professor, Department of Physics, Bishop Moore College, Mavelikkara on 26th August 2022. It aimed at giving the students basic ideas about the functioning of data analysis software R and Python



ONAM CELEBRATIONS

As part of the Onam celebrations “Athapookalam” Competition was conducted in the college Campus. The Department of economics participated in the Competition and won 3rd Prize.



FRESHER'S DAY

A program titled “Arambhikkalaama “ was conducted as a part of the Fresher’s Day celebrations, on 07th November 2022 in Prof. Elizabeth Memorial Hall.

FAREWELL

“Adios Amigo “, a Farewell Programme was conducted for the debut PG batch of the Department, on 22nd November 2022.



PREAMBLE

A program titled “Preamble “ was organised as a part of the National Constitution Day, on 30th November 2022. As part of the program two competitions were conducted: A debate competition on the topic “ Role of Constitution in Indian Economy” and a Quiz competition on 'Indian Constitution'.

DIKAIOMATA 2K22



“DIKAIOMATA 2K22” An Intercollegiate Paper Presentation Competition on Human rights: Issues and Challenges was conducted on 21 December 2022 at Seminar Hall.. The judges for the paper presentation competition were Dr. Ann Angelina Abraham (Associate

Professor, Department of English) and Dr. Priya Mary Abraham (Assistant Professor, Department of Chemistry).The competition started at 10:30a.m and the participants were undergraduate and postgraduate students from various colleges. A total of 15 teams participated in the competition.

In the Afternoon session an Inter – Department Poster Making Contest was conducted on the theme: - 'Sustainable Development and Human Rights' at College Auditorium. The contest was open to all UG and PG students.

FRESHER'S DAY

On 17.02.2022 Post Graduate department of Economics has conducted Fresher's Day celebration on 17.02.2022 for all the first year PG Economic students.

TEACHER'S DAY

On 5th September, 2021 (Sunday), Post Graduate Department of Economics, Bishop Moore College, Mavelikara, organized Teachers' Day celebrations "Sa He Rae²" through online platform

ORIENTATION CLASS

2022- 23: BA Economics Sem 1 students were offered Orientation Classes by **Dr Renjith Mathew Abraham** (HoD), **Dr Reji G D**, **Dr. Hema S Kurup**, **Ms. Pooja Reghu**, and **Ms Vidya Devi V** in September 2022.

2022- 23: M.A Behavioral Economics and Data Science Sem 1 students were offered Orientation Classes by **Dr Renjith Mathew Abraham** (HoD), **Dr Reji G D**, **Dr. Hema S Kurup**, **Ms. Pooja Reghu**, and **Ms Vidya Devi V** in September 2022.

FACULTY ACHIEVEMENTS 2021-22

- DR. REJI G D** and **Dr. Hema S Kurup** has successfully completed 45 Hours Certificate Course on "Python for Data Science" jointly organized by Bishop Moore College, Mavelikara; St. John's College, Agra; St. Stephen's College, Pathanapuram; Catholicate College, Pathanamthitta; Assumption College, Changanacherry; Sree Narayana Polytechnic College, Kottiyam and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education held from 18th November 2021 to 18th March 2022.
- Dr Reji G D**, **Dr. Hema S Kurup**, **Ms. Pooja Reghu**, and **Ms Vidya Devi V** of the faculty have attended a 30-hour certificate course on "Theoretical and Practical Application of Data Science with R." from 27th July 2022 to 10th August 2022.
- Dr Reji G D** has attended PRCN/SD/171 course at OTA Kamptee Maharashtra scheduled from 13 August 2022 to 22 October 2022. He successfully completed the course and was commissioned as Lieutenant.



Lieutenant Dr. Reji GD

- Dr Renjith Mathew Abraham** published "Higher Education in India – Quantity versus Quality", proceedings of the 'NAAC sponsored National Workshop on Teaching, Learning and Research in the Perspective of NAAC RAF' organized by the IQAC, Bishop Moore College Mavelikkara during 14-15 February 2022.
- Dr. REJI G D** Assistant Professor, Department of Economics, Bishop Moore College, Mavelikara, Kerala has participated in the NAAC Sponsored National Online Workshop on Teaching, Learning & Research in the Perspective of NAAC RAF organised by Bishop Moore College Mavelikara during 14-15 February 2022.
- Dr. Reji G D**, has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on June 23,2022 organized by Intellectual Property Office, India.
- Dr Reji G D** has completed a Two Week Online National Faculty Development Programme, "Media and arts in Teaching and Learning (Interdisciplinary) jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under PMMMNMTT of Ministry of Education, Bishop Moore College, Mavelikkara and St. John's College Agra, From 12 January to 25 January 2021.
- Dr Reji G D** has participated in the UGC-sponsored Live online Induction Programme conducted by the UGC-Human Resource Development Centre University of Kerala, Kariavattom, Trivandrum from 28-02-2022 to 29-03-2022.
- Dr. Reji G D** has participated in the one-week Faculty Development Programme (FDP) on Moodle Based Learning Management Education Council (KSHEC), Thiruvananthapuram hosted by learning centre of SNGS College Pattambi from 23-07-2022 to 28-7-2022 for the faculty members of the state universities and affiliated colleges.
- Dr. Reji G D** has been appointed as a member of Board of studies in the Department of Malayalam, Scott Christian College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University, Tirunelveli.

STUDENT ACHIEVEMENTS 2021-22

- Nirmal S Varghese**, Student of M.A Behavioral Economics and Data Science has successfully completed 3-month internship program with NITI Aayog, Government of India, New Delhi from 9th May 2022 to 9th August 2022. He worked under Aspirational District Program in NITI Aayog on "Integrating Behavioral Economic Principles into Patient Navigation Program."
- Adithyan S**. Semester 5 BA Economics Student bagged Gold medal in Alappuzha District Senior Men Wrestling Championship 2022.
- Adithya J S**. Semester 1 BA Economics Student bagged Gold medal in Alappuzha District Senior Wrestling Championship 2022 Women Freestyle.
- Athulya S Nair** Semester 5 BA Economics Student bagged Silver medal in Alappuzha District Senior Wrestling Championship 2022 Women Freestyle.
- Vaishakh V S**, Student of M.A Behavioral Economics and Data Science published a Malayalam Poetry Collection titled "Erupant" in December 2022.
- Adithya J S**. Semester 1 BA Economics Student bagged Bronze medal in Kerala State Wrestling Championship November 2022 Women Freestyle.
- Adithya J S**. Semester 1 BA Economics Student bagged Bronze medal in Kerala University Intercollegiate Judo Competition November 2022 Women.
- Rajeev, Lijin, Ashwin** and **Jeevan** Semester 1 BA Economics Students won 3's Football Match organized by the College Union 2021-22 in March 2022.

BHOOMITRASENA SCHEME

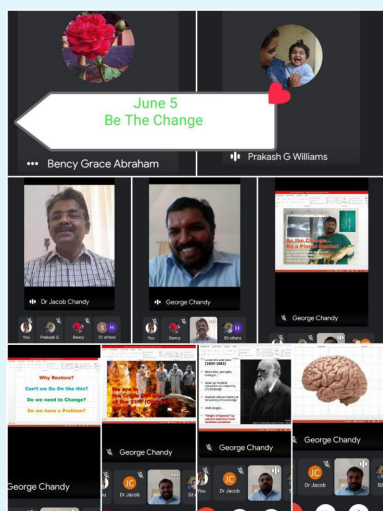
Bhoomithrasena functions with the financial support of Directorate of Environmental and Climatic Change, Government of Kerala. The Bhoomithrasena Scheme is coordinated by Dr Prakash Williams. The Secretary was Ms Bency Grace Abraham (B.Sc Mathematics) and the Joint Secretary Ms Aardra V Ananthan (B.Sc Chemistry).

BHOOMITRASENA CLUB INAUGURATION

The activities of Bhoomithrasena 2021-2022 were set rolling with an inaugural talk by Dr Prakash Williams on 05-06-2021 about the importance of this club and what the members of this club really meant for.

ENVIRONMENTAL DAY CELEBRATION

Environmental Day celebration was jointly organised by the Bhoomithrasena Club, Bishop Moore College, Mavelikara on 05/06/2021. Dr Jacob Chandy, the Principal of the College delivered the inaugural address and asked students to plant a tree in their houses. **Dr George Chandy**, special officer, Western Ghats Regional Institute for Wildlife Research and Tribal Welfare, Kerala Veterinary and Animal Sciences University, Pookode, Wayanad, South Asia, Co-chair IUCN Species Survival Commission delivered a talk on the topic *Environmental Health*.



CELEBRATION OF 'EARTH HOUR'

Earth Hour is all about spreading the awareness of environmental issues in our global and local communities. It is an annual global event organized by WWF. This year, the students and the staff participated in the *Earth Hour* programme on March 27 at 8:30pm under the auspices of Bhoomithrasena Club. **Dr Abhilash R**, Assistant Professor, Department of Zoology, Christian College Chengannur delivered keynote speech and conducted a quiz competition on the same day. **Ms Bhavya R**, of BA English won the first prize.

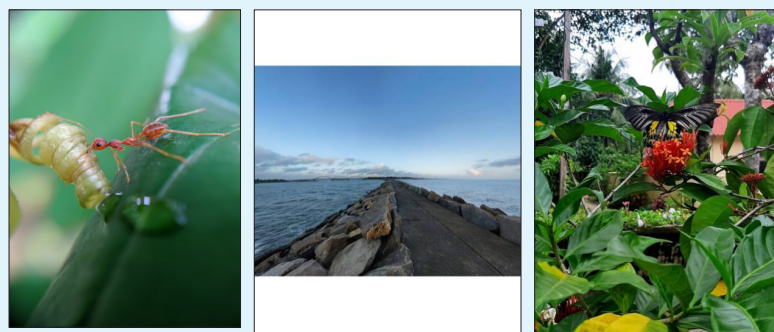


PAPER BAG DAY AND PAPER BAG MAKING COMPETITION

World Paper Bag Day was observed on July 12 as a Paper-bag Day. Dr Prakash Williams spread the awareness about plastic pollution and encouraged the students to use environment friendly alternatives. Paper-bag making competition was organised. Cash prizes were awarded to the winners.

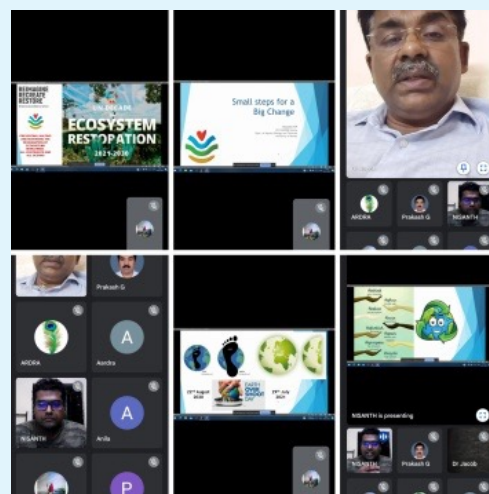
PHOTOGRAPHY COMPETITION

A Photography competition was organised in association with the *World Photography Day* on August 19, 2021.



TALK ON NATIONAL BIRD DAY

To commemorate the National Bird Day, a meeting was organized by Bhoomithrasena Club on the topic 'Small Steps for a Big Change' on 3/01/2022.



HARITHALAYAM AND BAMBOO GARDEN

The "Harithalayam" project was initiated for increasing the green cover in campus. As part of the project, banana and Tapioca along with coconut trees were planted. A bamboo garden was also set in the campus.



SANTHISTHAL

Bhoomithrasena club also maintains 'Shanthisthal', a man-made forest ecosystem in the college, where many RET (Rare, Endangered and Threatened) species are protected.



PURCHASE OF 'WASTE BINS'

For an effective solid waste managing system, the institution needs 'waste bins' to collect and segregate waste systems. Hence some waste bins were purchased for installation in the campus.



INTERNAL COMPLAINTS COMMITTEE

LEGAL AWARENESS PROGRAMME

The Internal Complaints Committee (ICC) in association with Kerala State Legal Services Authority (KELSA), Mavelikara organized Legal Awareness Programme in Bishop Moore College, Mavelikara. This was conducted as part of Azadi Ka Amrit Mahotsav from 8th November - 15th November 2021 with the aim of raising awareness about various legal services. Adv. Deepa., Chairperson-CWC (Child Welfare Committee) addressed the audience in the introductory session. The second session was handled by Adv. Sinil Mundapally, Coordinator, KELSA, Thazhakara Panchayath.



Talk by Adv. Deepa

Adv. C. Mohit, Additional District Judge, Mavelikara Inaugurated "National Legal Services day" on 9th November, 2021. He provided details regarding the services offered by Lok Adalat in the inaugural session. The legal awareness class was handled by Adv. Roy Ommen.



Talk by Adv. C.S. Mohit

Adv. Vincent Joseph, Mavelikara delivered the legal awareness talk on 10th November, 2021. Second year Economics and Final year botany students participated in this programme. Adv. T. Radha, Senior Advocate, Mavelikara delivered the legal awareness talk on 11th November, 2021.

Adv. Sinil Mundapally, Coordinator, KELSA, Thazhakara Panchayath took the legal awareness class on 12th November 2021. The second session was handled by Adv. Seema, Spl. Prosecutor POCSSO, District Court, Alappuzha.

This one-week legal awareness programme came to an end with the talk of Adv. Jyothi Gopinathan, Mavelikara on 15th November 2021.

INSTITUTION INNOVATION COUNCIL

LEGAL AWARENESS PROGRAMME

The Institution Innovation Council (IIC) of Bishop Moore College was formulated on 10th September 2021 as per the guidelines of the Ministry of Education's Innovation Cell. IIC, in collaboration with the Entrepreneurship Development Club, organizes various activities to develop the innovation ecosystem within our campus and the community by creating a platform for nurturing creative and innovative ideas.

- The following 9 faculty members received Innovation Ambassador training in 2022 from the Innovation Cell of the Ministry of Education to perform the role of mentor and resource persons in organizing various programs related to innovation and startup.
 - Dr. Tressia Alias Princy Paulose, Department of Chemistry
 - Dr. Priya Mary Abraham, Department of Chemistry
 - Ms. Linda E. Jacob, Department of Chemistry
 - Dr. Arun Aravind, Department of Physics
 - Dr. Jisha S., Department of Botany and Biotechnology
 - Dr. Shanti W. S., Department of Botany and Biotechnology
 - Dr. Reeja Jose, Department of Zoology
 - Mr. Emil Ninan Abraham, Department of Mathematics
 - Dr. Sudha Mary Thomas, Department of Malayalam
- IIC encourages students, faculty members and alumni to submit

their innovative ideas to YUKTI - National Innovation Repository, an initiative of Ministry of Education's Innovation Cell. Three innovative ideas were submitted in the YUKTI portal in the academic year 2021-22.

- 24 teams consisting of a total of 148 students registered and submitted their innovative ideas in the Young Innovators Programme (YIP 2021), a programme under Kerala Development and Innovation Strategic Council (K-DISC). Six student teams from Bishop Moore College were shortlisted in various categories.



BISHOP MOORE COLLEGE
Congratulations to the Ideators !! 

Shortlisted in the Young Innovators Programme 2021

Business Model Innovation and Future Technologies  Athira S.	 Anusree A.	Modern Medicine and Biomedical Technology  Ragendu R.	 Athira S.
Climate Change and Disaster Management  Shali S.	 Surya P.	Problems of the Children  Nandana Remanan	 Vinu V. George
Innovation Collectives and Co-Operatives  Hajera A.	 Hamdan H.	Animal Husbandry and Poultry  Parvathy R.	 Athira Abraham
 Jincy Varghese			

Student teams shortlisted in the Young Innovators programme 2021 in various categories

- Two student teams participated in the Smart India Hackathon 2022, which is a nationwide initiative.
- The team of Hajera A. and Sruthi S., second year B. Com students from Bishop Moore College, were selected as one of the top 100 applications from India for the programme Together 2022, which is a global initiative between Startup India, DPIIT and Schulich School of Business, Canada. Their proposal was on recycling old used clothes and damaged textiles to make the fashion and textile industry more sustainable.

- The IPR Cell was also initiated by IIC for creating awareness among students, research scholars and faculty members about Intellectual Property Rights. The IPR Cell regularly conducts various activities such as seminars, workshops, guidance in patent filing, etc.
- IIC in association with Technology Transfer and Intellectual Property Services (TIPS) organised an online workshop “Translating Your Research Outcome” at Sree Chitra Tirunal Institute for Medical Sciences and Technology, on 20th November 2021.
- IIC organised a Webinar on Intellectual Property Rights (IPR) and Patent Process on 25th November 2021 via the online Google Meet platform.
- On 11th February 2022 IIC Bishop Moore College, Mavelikara, hosted IPR Awareness and Training Programme in association with DPIIT Chair on IPR, IUCIPRS, CUSAT CIPAM, DPIIT, Ministry of Commerce & Industry. Mr. N. Subramaniyan, Assistant Manager, CIPAM, DPIIT, Ministry of Commerce and Industry, served as the resource person.
- Institution’s Innovation Council (IIC) of Bishop Moore College, Mavelikara, celebrated the World Intellectual Property Day on 26th April 2022. Dr. Reshmy R., Associate Professor, Providence College of Engineering, Chengannur, Kerala was the resource person and she delivered a talk via the online You Tube platform.
- Institution’s Innovation Council (IIC) of Bishop Moore College, Mavelikara, participated in the IIC Regional Meet held in Kochi on 6th August 2022 at KMEA Engineering College organised by MoE’s Innovation Cell Dr. Tressia Alias Princy Paulose, IIC Convenor of Bishop Moore College, participated in the Meet and also presented a poster representing Bishop Moore College.



An article on Hajera's Innovative idea in Malayala Manorama

- Hajera A., second year B. Com. student, signed an MoU with Kerala University Business Innovation and Incubation Centre (KUBIIC), for her student start up “Garbs New” which is about recycling old and used clothes
- IIC organized the Impact Lecture Series 2022-23 sponsored by the MoE’s Innovation Cell and AICTE. Mr. Gautham Palaniswamy, Manager, Sathyabama TBI; Mr. Shihab Makaniyil, Founder and CEO, ShopDoc; Neenu Rathin, Founder and CEO, The Social Town and Aditi Bhutia Madan, Founder Director, BluePine Foods Pvt. Ltd. were the resource persons
- IIC served as a mentor in the creation of the Institution’s Innovation Council at St Stephen’s College, Pathanapuram.
- IIC has been instrumental in the initiation of Moore Innovation and Pre-Incubation Centre which serves as a platform and a nurturing ground for young innovators and entrepreneurs, supporting and guiding them in their entrepreneurial journey by connecting them with angel investors, venture capitalist, incubators, and mentors so that they grow into successful start-ups.



Dr. Tressia Alias Princy Paulose presenting a poster at IIC Regional Meet

INTERNAL QUALITY ASSURANCE CELL (IQAC)

1. On 29 July 2022: IQAC organised a one-day training programme on NAAC RAF for teachers.



Dr. Sunil C Mathew, Principal Devamatha College Kuravilangad leading the session

2. From 27-29 June 2022 an Induction Programme for ISC students of Bishop Moore Vidyapith was organised by IQAC.



Vice-Principal Dr. Ranjith Mathew Abraham leading the session

3. On 14 and 15 February 2022 a NAAC Sponsored Online National Workshop on Teaching, Learning and Research in the perspective of NAAC RAF was organised.



Dr. B. S. Ponmudiraj, NAAC Adviser's Address

4. On 10 Dec 2021, IQAC organised a training programme for Science teachers on Outcome Based Education. Dr. Rosamma Philip, Principal, Mount Tabor Training College, Pathanapuram was the Resource Person.



5. On 06 November 2021a One day Faculty Training Programme on NAAC Revised Accreditation Framework was organised.
6. On 17 Sep 2021 an External Audit of Academic Activities was conducted.
7. On 23 and 24 Sep 2021, Kerala SAAC peer team visited the campus as a part of assessment and accreditation, College was accredited with A Grade (CGPA 3.21). Bishop Moore College to be the first institution in Kerala to be accredited with the State Accreditation and Assessment Council (SAAC)



SAAC peer team members with IQAC team

8. On 4 Nov 2021 IQAC monitored Newsletter Participated in National Level Newsletter Competition conducted by Yuvakshetra, IMS, Palakkad. The Newsletter of the College won the best Newsletter Award in the National Level Newsletter Competition.
9. On 01 June 2021: A Retreat for teaching staff was organised. Rev. Levin Koshy Mallasseril, College Chaplain delivered the key note message
10. From 18 to 22 July 2021 IQAC hosted an Anti Dowry campaign in association with Taluk Legal Services Society
11. A Professional Skills Development Training Programme for Administrative Staff was organized with the objective of enhancing the professional skills of the staff members in various areas. The programme was held on 30th July 2022 at the College Seminar Hall. All administrative staff of the College participated in the programme.
12. From 23 to 28 June 2022 IQAC of the College hosted an Institution Level Training Programme on MOODLE LMS. This training was imparted by Kerala State Higher Education Council in association with the Digital University of Kerala. This programme offered a Hands-on Training on Learning Management System (Moodle) & Digicol server facility

MOORE INITIATIVE FOR SKILL TRAINING (MIST)

Moore Initiative for Skill Training (MIST works towards providing employability and life skills to the students by offering training in fabric painting, flower arrangement, photography, organic farming, self-defence, Ornamental Birds Breeding, Embroidery, Interior Designing, Baking, Vermi-composting etc. Ms. Anjali Susan Ninan, Assistant Professor, Department of Mathematics is the programme coordinator. The MIST committee consists of 4 other teachers - Dr. Merin George (Physics), Dr. Abha K.(Chemistry), Ms. Somi Cherian(Zoology), and Dr. Sudha Mary Thomas (Malayalam).

INAUGURATION

MIST inauguration was held on 10th August 2022, Wednesday at 01:30 pm in the Seminar Hall. Principal, Dr. Jacob Chandy presided over the meeting and also inaugurated the initiative



Vermi- Composting class

On August 10th Dr. Reeya Jose, Assistant Professor, Department of Zoology offered a talk on Vermicomposting. She taught the various ways of composting and showed us how advantageous is vermicomposting to others.



Poster Designing using Canva

A class on Poster Designing using the Canva Application was taken by Mr. Adarsh Jacob, Guest Lecturer, Department of Commerce, Bishop Moore College on 17th August, 2022 at 1:30 pm in Salle Visuelle.

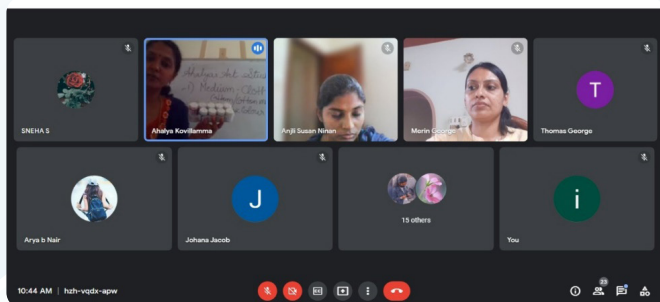


Embroidery Class

An Embroidery Class was conducted on 17th August at 1:30 pm by Ms. Geetha, Teacher, Bishop Moore Vidyapith, Mavelikara.



Online Skill Training on Fabric Painting



A Fabric Painting Class was conducted in online mode on 20th August 2022, 10:30 am by Dr. Ahalya Kovilamma, Assistant Professor of Physics, Zamorin's Guruvayourappan College, Kozhikode. She is also Artist and Curator of Ahalya's Art Studio.

Online Photography Class

A class on Photography was conducted on 27th August at 10 am by Aby Kurian



Online Interior Designing Class

An Interior Designing Class was conducted on 27th August 2022 at 06 pm By Arun Vidyasagar, B.Arch., A.I.I.A., Principal Architect, Foliage.



Baking Class

A class on Basic Essentials for Baking and How to make a classic tea cake was taken on August 30th, 2022 at 1:30 pm by Nikitha Sara Biji, who handles a Cake business "Spell a Cake".

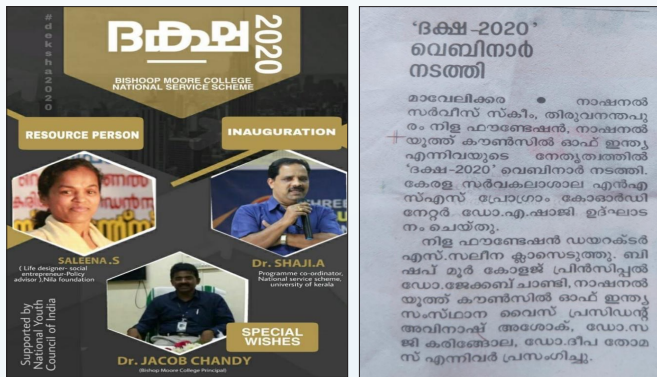


NATIONAL SERVICE SCHEME

Dr. Deepa Thomas and Dr. Saji Samuel are the NSS Programme Officers. Mr. Ashwin A and Ms. Beegum H. Nafila served as the volunteer secretaries. The following activities were successfully conducted by the NSS.

DAKSHA

National Service Scheme of Bishop Moore College, Mavelikara conducted a two day state level online training programme DAKSHA 2020 on May 29&30 for NSS volunteers. Dr Jacob Chandy, Principal, Bishop Moore College delivered the presidential address. Saleena S life designer, social entrepreneur policy advisor, NILA Foundation was the resource person. The topic of first session was HAPPINESS AND WELBEING. The second session was about Social Entrepreneurship and Volunteerism.

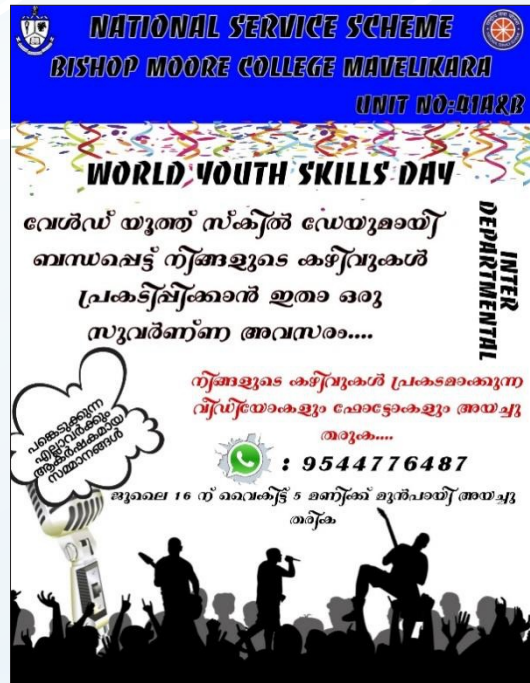


ENVIRONMENT DAY - 2020

As the part of the observance of World Environment Day, the university of Kerala launched "Harithalayam project". The National service scheme of Bishop Moore College has actively participated in this project. About 120 saplings were planted.

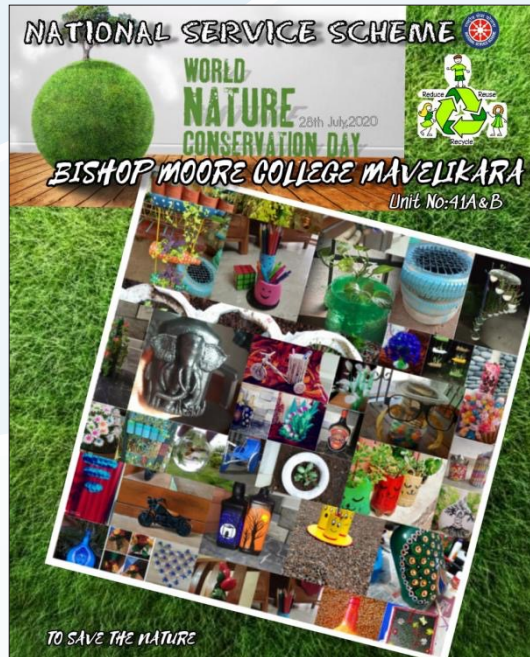


Youth Skill Day was conducted on 15th July.



World Nature Conservation Day

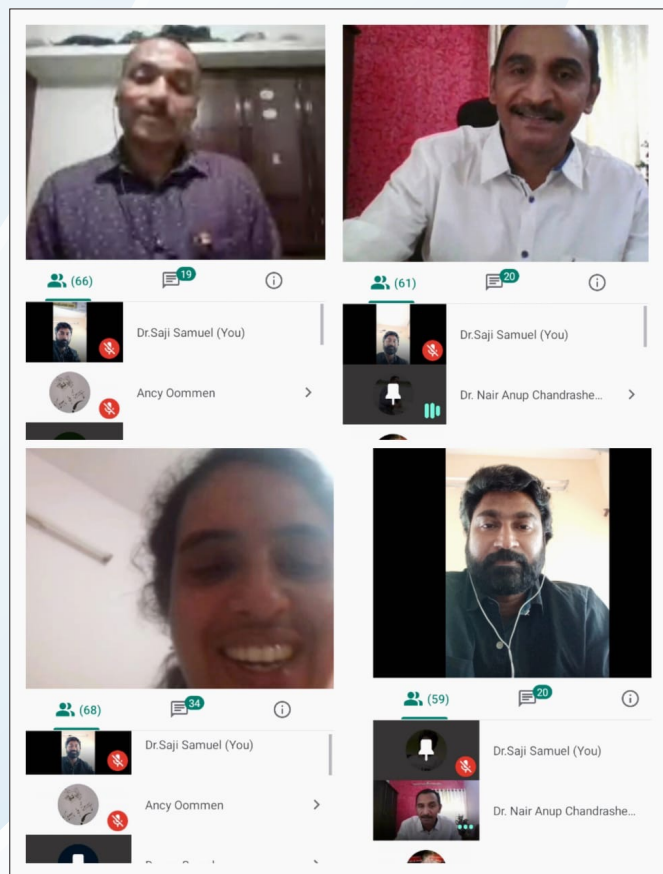
World Nature Conservation Day was celebrated organised on 28th July. The four tasks were 1: Plant A Tree 2: Creative Work with Waste Materials 3. Cleaning The College 4: Spread Social Awareness



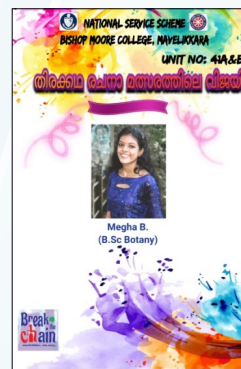
MAHATMA-2020

National Service Scheme, has celebrated 151th Gandhi Jayanti on 2nd October. As a part of this celebration, a Webinar Mahatma-2020 was conducted on the topic 'Let's join hands for a better tomorrow'. The meeting was inaugurated by Dr Nair Anup Chandrasekharan, former NSS program officer and Assistant professor, Department of English, Bishop Moore College. He elaborated the importance of Gandhian thoughts in the contemporary era in his inaugural address. The resource person of this meeting was Sri Saji P Kumar, Vimukthi co-ordinator,

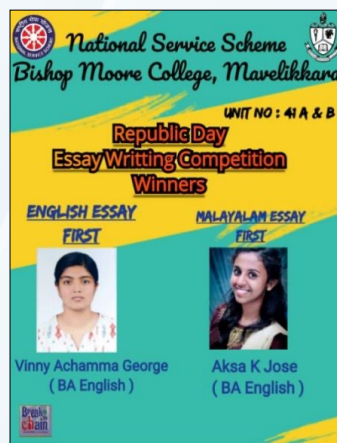
Mavelikara Excise range officer. He spoke to the volunteers about Gandhian ideology.



HIV/AIDS. Megha. B from Botany department was selected as the winner of the competition.



Republic Day Celebrations



Global Hand Washing Day (15.10.2020)

The unit has organized a challenge in connection with October 15th World Hand Washing Day. The challenge was inaugurated by Ppincipal Dr. Jacob Chandy by washing his hands and shared the video of the same with the volunteers

Survey on Youth for prevention and mitigation of Covid 19 (24.12.2020)

National service scheme volunteers conducted a survey on the topic Youth for prevention and mitigation of Covid 19” in the nearby villages.



Awareness about HIV/AIDS (18.01.2021)

Script writing competition was organized to create awareness about

As a part of Republic day observance, an interdepartment essay competition was organized on the topic 'Freedom -In 21st century'. A cultural programme too was held on January 26th

National Science Day 28.02.2021

A programme was conducted in connection with National Science Day. It was a tribute given to C.V.Raman.

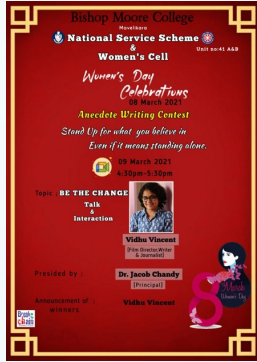
Veettilithiri Pachappu: Microgreen farming 02.03.2021



A task was given to the NSS volunteers and it was named VEETLITHIRI PACHAPPU. As the name indicates, it is an idea of how microgreen farming can be practiced in our home. All volunteers were actively participated in this programme.


Observance of International Women's Day

As the part of women's day celebration, an anecdote writing competition was conducted. On 9 March, in association with Women Cell, a talk and interactive session was also conducted on the topic 'BE THE CHANGE' and resource person was Vidhu Vincent (Film Director, Writer and Journalist.).



Plant a tree Challenge 05.06.2021

Volunteers participated a plant a tree drive in collaboration with Expectation Walkers. Around 130 tree saplings were planted.



EXPECTATION WALKERS
A YOUTH WALK WITH DREAMS

1ST FLOOR , ROOM NO : 482 , THACHAPPILY COMPLEX ,
THELAPPILY JUNCTION , PINCODE : 680712
PH : +91 7736696717 | NGO NO : KL/2020/0271046
www.expectationwalkers.com | Email : official@expectationwalkers.org

Re: Appreciation Letter

Date-09/06/21


To Whom it May Concern

This letter serves to extend our sincere appreciation and heartfelt gratitude to NSS Unit 41(A&B), Bishop Moore College Alappuzha.

It is a great pleasure to acknowledge NSS Unit 41 for being an extraordinary partner in our Plant a Life 2.0 initiative, from 20/05/21- 05/06/21 whose students managed to plant over 139 plants, a great feat indeed.

In recognition of the outstanding service and assistance by NSS Unit 41(A&B) we would like to thank you for your work of excellence and hope that together we can continue to achieve greatness. May the Lord bless you.

Yours faithfully,



Jayajith Prasad
Trustee, CEO (Founder)
Expectation Walkers
Public Charitable Trust

Hiroshima day 06.08.2021



As a part of the observance of Hiroshima day, NSS organized a caption writing competition for generating awareness about the vicious impacts of war and usage of nuclear weapons

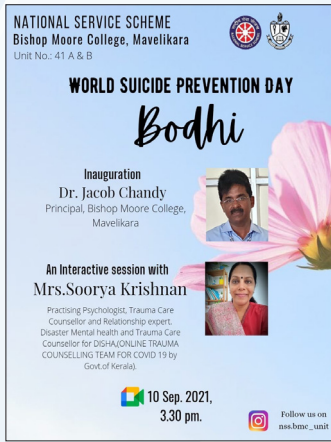
Independence Day 15.08.2021



NSS unit conducted an online meeting and a drama based on the theme of freedom struggle. The Unit congratulated Sandeep Varghese Ummen , NSS volunteer for his remarkable performance in Covid duty (vaccination and sanitation duty).

Importance of mental health 10.09.2021

As part of World Suicide Prevention Day, NSS organized an interactive session "BODHI" . Mrs. Soorya Krishnan (Practising Psychologist, Trauma Care Counselor and RELATIONSHIP EXPERT, Disaster Mental health and Trauma Care Counselor for DISHA,(ONLINE TRAUMA COUNSELLING TEAM FOR COVID 19 by Govt of Kerala) was the Resource Person.



Book Collection Campaign 16.9.2021 to 30.9.2021

National Service Scheme, Bishop Moore College, Mavelikara conducted a book collection campaign (Book Farm) in collaboration with KITES foundation. Volunteers collected books from students of the College and handed over the collected books to the authorities of KITES.



Raise some Rice

The volunteers collected money and was spent it for the purchase of rice which was handed over to shalem bhavan.



Anti-drug Awareness Class 08.10.2021

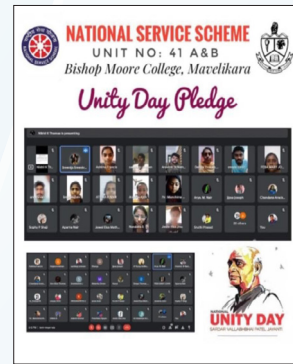
National Service Scheme of Bishop Moore College Mavelikara had conducted an awareness class in association with the Vimukthi Club as a part of Gandhi Jayanthi observance week.



Under the guidance of M K Sreekumar, Excise Preventive Officer, Circle office Mavelikara, the after effects and the grave problems caused due to drug abuse and the legal points related to the same were discussed.

National Unity Day 31.10.2021

NSS conducted a poster making competition on the topic "Unity in Diversity" in accordance with National Unity Day. An online meeting was also organised to take the Unity Day Pledge.



Human Right Day 09.12.2021

A Webinar on Human Rights was organised on 9th December, 2021.

Survey -Impact of covid on social, economic and mental status 27.12.2021



National service scheme volunteers conducted a survey on the topic Impact of covid on social, economic and mental status in the adopted village.

Webinar -Justice, Equality, Liberty and Fraternity 26.1.2022

As the part of republic day observance, the NSS volunteers organized a webinar on the topic -Justice, Equality, Liberty and Fraternity..

Cancer awareness programme 04.02.2022

As the part of observance of world cancer day, the NSS volunteers organized an awareness programme in the form of a live TV show. The participants actively participated in the discussion.

Awareness on drug abuse 25.02.2022



National Service Scheme of Bishop Moore College in association with JCI (Junior Chamber International) conducted an Awareness on Drug

Abuse. Prof Jils Varghese, Assistant professor in physical education was the resource person.

National Science Day Debate 02.03.2022

National Service Scheme of Bishop Moore College Organised a Debate competition in accordance with National Science Day. The Debate led by senior NSS volunteer Anzon.



Hridayapoorvam- Distribution of lunch packets 08.03.2022

NSS distributed food to patients and other people as a part of program named "Hridayapoorvam". Food parcels were distributed at mavelikara government hospital. The programme was inaugurated by Mavelikara MLA M. S Arun kumar.



NATIONAL CADET CORPS (NCC)

WORLD ENVIRONMENT DAY

As a part of World Environment Day, an online challenge was given to the cadets to plant a sapling and upload their pictures in support of the environment. The response was tremendous.



INTERNATIONAL YOGA DAY

The theme set by United Nations for this year was "Yoga for Health -Yoga at Home". The program was conducted via online in which many NCC cadets participated.



KARGIL WAR

The 22nd Kargil Vijay Diwas, was celebrated in the college in a grand way. The mode of conduct of programs was online. On that day cadets created posters and uploaded it on various social media platforms like Instagram. A drawing competition was also conducted that day.

FIT INDIA

To commemorate the Fit India Movement, the cadets conducted marathon rally and cycling on behalf of Fit India Movement and uploaded images on Fit India official website.

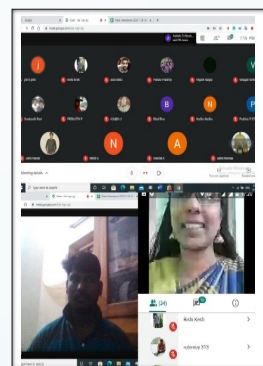
STATUE CLEANING

On March 12th 2021, the NCC cadets of Bishop Moore College organized a cleanliness program in Buddha junction, Mavelikara. Under the leadership of SUO Jijo John and JUO Jishnu, cadets engaged in cleaning the statue of Buddha in the area



WEBINAR

The NCC cadets of Bishop More College celebrated this day by conducting a webinar based on the topic "The Importance of Gandhi's Ideas in the Contemporary World". Dr Jisha SK was the chief guest and resource person of the event. The webinar was hosted by ANO Dr Reji GD. The webinar was inaugurated by the chief guest Dr Jisha SK, HOD of Department of Malayalam, Scott Christian college, Nagercoil.



WEBINAR ON NEW EDUCATION POLICY

The NCC wing of Bishop Moore College, Mavelikara organized a webinar on the Impact of the New Education Policy 2020 on Undergraduate/ Postgraduate Colleges today. Around 200 participants joined the webinar from different institutions. The distinguished panelists

put forward their opinions and ideas to provide a comprehensive understanding of NEP-2020 to the audience.

QUIZ AND POSTER MAKING COMPETITION

An online Quiz Competition was organized on the occasion of 74th Independence Day. The competition was open for all the college students. The quiz was conducted via google meet. Students from various colleges were participated.

A poster making competition was also conducted via online. This competition was also open for all the college students. Students prepared the posters and sent through any social media platform.

ACHIEVEMENTS OF CADETS 2020-21

TSC Delhi (2019-2020) : SUO. JIJO JOHN (KL/18/SD/A/117668)

RD IGC (2019-2020) : JUO. JOB B JOHN (KL/18/SD/A/117671)

TSC IGC (2019-2020) : JUO. JISHNU M (KL/18/SD/A/117669)
: JUO. VISHNU S RAJ (KL/18/SD/A/117693)

BEST CADET OF 8(K) BN (2020-2021) : SUO. JIJO JOHN (KL/18/SD/A/117668)

SELECTED AS BEST CADET 8(K) BN

FROM (2018-2019) & (2019-2020) : CPL. PRANAV PRADEEP (KL/18/SD/A/117677)

SELECTED FOR SSB COACHING

(Flame Career Academy) : CPL. PRANAV PRADEEP (KL/18/SD/A/117677)

KOLLAM GROUP LEVEL

Speech Competition Second Prize : CPL. PRANAV PRADEEP (KL/18/SD/A/117677)

EBSB CAMP Held at UDAIPUR

(RAJASTHAN 2019-2020): SGT. DENNIS D LOPEZ (KL/18/SD/A/117664)

THAL SAINIK CAMP (TSC)

- 1) 26/04/19 TO 27/09/19 TSC DELHI
 - a) KL/18/SD/A/117668 SUO JIJI JOHN
- 2) 26/04/19 TO 26/07/19 PRE TSC 1
 - a) KL/18/SD/A/117693 JUO VISHNU S RAJ
- 3) 26/04/19 TO 16/07/19 TSC IGC
 - a) KL/18/SD/A/117669 JUO JISHNU M
- 4) 03/04/19 TO 29/06/19 TSC SHOOTING PRE IGC
 - a) KL/18/SD/A/117657 CPL AMAL RAJ
 - b) KL/18/SD/A/117671 JUO JOB B JOHN

REPUBLIC DAY CAMP (RDC)

- 1) 23/08/19 TO 15/11/19 PRE RDC 1
 - a) KL/18/SD/A/117671 JUO JOB B JOHN

EBSB (EK BHARAT SHRESTHA BHARAT)

- 1) 25/12/19 TO 15/01/2020
 - a) KL/18/SD/A/117664 SGT DENNIS D LOPEZ
- 2) 24/09/2020 TO 30/09/2020
 - a) KL/18/SD/A/117687 CPL SAMBHU S KUMAR
- 3) 16/08/2020 TO 21/08/20
 - a) KL/18/SD/A/117677 CPL PRANAV PRADEEP

TREKKING CAMP

- 1) 22/12/19 TO 29/12/19
 - a) KL/18/SD/A/117654 CQMS ABHISHEK M
 - b) KL/18/SD/A/117667 CPL HARIKRISHNAN U

ARMY ATTACHMENT

10/01/2020 TO 24/01/2020

- KL/18/SD/A/117669 JUO JISHNU M
KL/18/SD/A/117671 JUO JOB B JOHN
KL/18/SD/A/117659 SGT ARAVIND A
KL/18/SD/A/117682 SGT ROBIN V ROY

ANNUAL TRAINING CAMP (ATC)

01/03/2021 TO 03/03/2021

- 1) KL/19/SD/A/117650 CDT ABIN JOSE
- 2) KL/19/SD/A/117651 CDT AKSHAY KUMAR S
- 3) KL/19/SD/A/117652 CDT ANVARSHA
- 4) KL/19/SD/A/117653 CDT ASHISH G ABRAHAM
- 5) KL/19/SD/A/117655 CDT FAYIS N
- 6) KL/19/SD/A/117657 CDT NIKHIL A
- 7) KL/19/SD/A/117658 CDT SHEBIN JOHN
- 8) KL/19/SD/A/117660 CDT SOJIN SOLOMON
- 9) KL/19/SD/A/117663 SGT ABHIJITH U

TOTAL 9 CADETS ATTENDED THE CAMP SD - 9

ANNUAL TRAINING CAMP (ATC)

15/03/2021 TO 19/03/2021

- 1) KL/18/SD/A/117651 CPL ABHIJITH R
- 2) KL/18/SD/A/117652 CPL ABU BACKER SIDIQ R
- 3) KL/18/SD/A/117653 CPL ABHIJITH S
- 4) KL/18/SD/A/117654 CQMS ABHISHEK M
- 5) KL/18/SD/A/117655 CQMS ALAN BABU
- 6) KL/18/SD/A/117657 CPL AMAL RAJ
- 7) KL/18/SD/A/117658 CPL AMPADY P
- 8) KL/18/SD/A/117659 SGT ARAVIND A
- 9) KL/18/SD/A/117664 SGT DENNIS D LOPEZ
- 10) KL/18/SD/A/117667 CPL HARIKRISHNAN U
- 11) KL/18/SD/A/117668 SUO JIJO JOHN
- 12) KL/18/SD/A/117669 JUO JISHNU M
- 13) KL/18/SD/A/117671 JUO JOB B JOHN
- 14) KL/18/SD/A/117672 CPL JOHN HANOK
- 15) KL/18/SD/A/117673 CPL KEVIN ALEX
- 16) KL/18/SD/A/117674 CPL MANIKANTAN S
- 17) KL/18/SD/A/117675 SGT NADHU VENUKUTTAN
- 18) KL/18/SD/A/117676 CPL PRABHAT R
- 19) KL/18/SD/A/117677 CPL PRANAV PRADEEP
- 20) KL/18/SD/A/117678 CPL PREMJIITH P
- 21) KL/18/SD/A/117680 CPL RENJITH R
- 22) KL/18/SD/A/117681 CPL RISHIKESH K K
- 23) KL/18/SD/A/117682 SGT ROBIN V ROY
- 24) KL/18/SD/A/117683 CPL ROHITH R
- 25) KL/18/SD/A/117684 CPL SACHIN KUMAR S
- 26) KL/18/SD/A/117685 CPL SAJITH KUMAR S
- 27) KL/18/SD/A/117687 CPL SAMBHU S KUMAR
- 28) KL/18/SD/A/117688 CPL SHYAM SANJAI

- 29) KL/18/SD/A/117692 CPL VIJITH RAJ
- 30) KL/18/SD/A/117693 JUO VISHNU S RAJ
- 31) KL/18/SD/A/117694 CPL VISHNU VIJAYAKUMAR

EXTENSION CADETS

- 1) KL/18/SD/A/118165 CPL EBIN B ACHANKUNJU
- 2) KL/18/SD/A/118179 CPL PRANAV P G
- 3) KL/18/SD/A/122792 CPL GOKUL G

BLOOD DONATION

As part of the Blood Donation Day organized by the 8(K) Battalion NCC, Mavelikkara, the cadets of Bishop Moore College donated blood.

WEBINAR ON BENEFITS, IMPORTANCE AND ROLE OF NCC

The NCC wing of Bishop Moore College, Mavelikara organized a webinar on the benefits, importance and role of NCC on 21st June 2021.

SWACHH BHARAT MISSION

The cadets of Bishop Moore College, conducted Swachh Bharath Abhiyan cleaning programme to make the cadets and the society aware of the importance of keeping the surroundings clean. The cadets cleaned the campus and the surroundings.

REPUBLIC DAY CELEBRATION

The programme began at 08 am. The principal, Dr. Jacob Chandy unfurled the national flag. All the N.C.C. cadets saluted the 'National Flag' followed by the National Anthem. Then there were some inspiring patriotic songs by the students. Then there were, various competitions conducted for the cadets. These were followed by stirring speeches by the students and teachers. The celebrations ended with the distribution of snacks.



PUNEET SAGAR ABHIYAN

National Cadet Corps (NCC) and United Nations environment programme (UNEP) signed a memorandum of understanding, to tackle the issue of plastic pollution and achieve the universal goal of clean water bodies through 'Puneet Sagar Abhiyan' and 'Tide turners plastic challenge program'. As part of this program the NCC unit of Bishop Moore College cleaned water bodies including Azheekal beach, Kayamkulam and gave awareness to the people on the importance of keeping the water bodies clean and plastic free.

CAMPS

The NCC directorate has conducted several camps successfully.

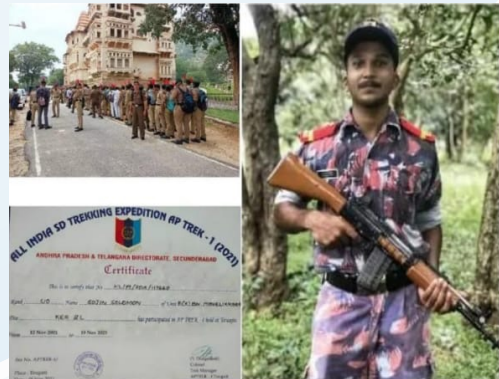


All India Trekking Expedition - Andhra Pradesh

JUO Sojin Solomen and SGT Ashish G Abraham participated in the trekking Expedition as representatives of Bishop Moore College.



Inter Battalion Sports Shooting Competition



Practise session of 8(K) Battalion Shooting Competition held at Pambha College, Parumala. CPL Sivasdas V Shenoy and CDT Sanoj J Abraham were participants from Bishop Moore College, Mavelikkara for the competition.

CADET ACHIEVEMENTS 2021-22

- 1. Extended performance award from Group Commander Brigadier DAB Udayakumar to SGT Sreejith Sreeni & CPL Shivadas V Shenoy. (Certificate handover by 8(K) Bn AO, Colonel Shalabh Thripati).
- 2. CPL Devadarshan D was selected for 8(K) BN guard and awarded merit of excellence.
- 3. CPL Sivasdas V Shenoy was awarded got Silver Medal in the Inter Battalion Sports Shooting Competition held at Pambha College, Parumala.



- CPL Adarsh A participated in the Advanced Leadership Camp conducted at Coimbatore from 25 November 2021 to 04 December 2021.
- SGT Sreejith Sreeni completed Mountaineering Course from JIM AND WS with an 'A' Grade.
- CPL Sivasdas V Shenoy and CDT Safiyu Rahman were selected for SSB coaching.
- CPL Devadarshn D, JUO Sojin Solomon and Ashish G Abraham attended the EBSB camp.

Activities by NCC (SW Army) under 3K Girls Bn Kollam

Camps in which the cadets participated in 2022 June- 2023 May: • ARMY ATTACHMENT Date: 26 Oct 2022 - 9 Sep 2022 Venue : Pangode Military Camp, Trivandrum 1. Indraj S 2. Anjali Manoj 3. Varsha P Date : 09 Jan 2023 - 20 Jan 2023 Venue : Pangode Military Camp , Trivandrum 1. Akshaya Prakash 2. Jayalakshmi M 3. Surya Sudhan 4. Krishnendu B EK BHARAT SHRESHTHA BHARAT 1 Date: 24 Dec 2022- 2 Jan 2023 Venue: TKMHSS, Kollam 1. Anu Krishna • EK BHARAT SHRESHTHA BHARAT 2 Date: 24 Dec 2022 -02 Jan 2023 Venue:Payyanur 1. Sandra .s • ALL INDIA GIRLS TREKKING EXPEDITION , TAMIL NADU TREK - 2022 Date: 27 Oct 2022- 3 Nov 2022 1.Rakhi R • ADVANCE LEADERSHIP CAMP Date: 3 Jan 2023- 12 Jan 2023 Venue: Coimbatore 1. Ashwathy Surendran • Vajra Jayanthi Yatra powered by Asianet Date : 8 Aug 2022 -15 Aug 2022 Venue : All India 1.Riya Reny

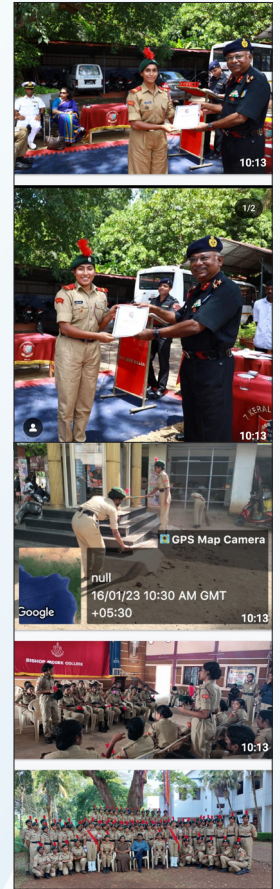
Special Achievement Of the Cadets:

UO Jesna James selected for super 30 SSB training conducted by NCC Kerala Directorate for a training at Kavaier Academy, Trivandrum she also got the Chief Ministers scholarship for best outstanding performance 2022-23. •

- Chief Minister welfare scholarship - Akshaya Prakash, Jesna James
- Best cadet of Kollam group - Jayalakshmi (2022)

Major Highlights of the Events Conducted

- 5 days B & C certificate examination preparatory day camp were conducted in the College campus for SW cadets from various institutions under 3Kerala Girls Bn Kollam.250 Cadets participated for the same .
- 50 cadets appeared for the B- Certificate exam and 51 cadets appeared for C- Certificate exams in which the majority passed with higher grades. • Ncc day celebration was done with specially abled children of St.Francis Special School on 29th November 2022
- Azadi Ka Amrit Mahotsav was celebrated and the cadets conducted 60 activities like quiz competition, essay writing competition, puzzles solving, presentation making, clay modelling, collage making, rangoli making, videos about freedom fighters etc
- To celebrate Indian Army day (15th January 2023), Programs were conducted in 2 sessions to reminisce the efforts taken by our great heroes.
- A seminar session was conducted by Dr Brijithlal(Assistant Professor, Dept of Botany & Biotechnology) on the topic "Waste, its Proper Management And Disposal " on 4 June 2022



CAREER GUIDANCE AND PLACEMENT CELL

NEW INITIATIVES

Youth Employability Training Programme in Association with TCS

Selected final year students got a chance to participate in the 90 hours employability skills training programme. The programme was offered by Tata Consultancy Service as part of their Corporate Social Responsibility.

Competitive and Bank Exam Coaching Programme

The College in agreement with IBS Kayamkulam, one of the leading educational institution conducted a 150 Hours Coaching Programme for Bank and Competitive Exams. The coaching programme was offered in a concession rate.

Agreement with Coursera for Coursera for Campus Programme

The agreement with Coursera enables the college to provide free online certificate courses provided by reputed universities across the world. A number of students utilized this opportunity to attend various certificate courses.

TRAINING PROGRAMMES

Orientation Programme for GD and Interview

This programme was organized on 22nd September 2020. The objective of the programme is to provide hands on training for attending GD. Dr Nair Anup Chandrasekharan, Assistant Professor Department of English was the trainer. 250 students were participated in the programme.

Employability Skills Training Programme in Association with National Employment Service (Kerala) University Employment Information and Guidance Bureau

An Employability Skills Training Programme was organised in association with Kerala University Employment Information and Guidance Bureau (UEI&GB) was organised for the final year students of this College on 15th October 2020 on online mode. Career Specialist Dr. Ajith Sankar (Director Cox Solutions & Curriculum) was the Chief Guest. Sri Rajesh VR (Career Counselor, UEI&GB) explained about the activities of the Career Guidance Bureau of the University. Training was provided in Interview Skills, GD Skills, CV Preparation, Job Portals, Recruiting Agencies, Online Courses etc.



Dr. Ajith Sankar

Competitive Exams Orientation Program.

On Friday 27th November 2020 brainstorming about Bank and other Competitive exams was provided. Sri Satish Kumar former GM of SBI, was the Chief Guest. The program gave a clear idea about various competitive exams, its syllabus, application procedure and tips for preparing for the examination.

Training Programme for CV Preparation and Interview Etiquette

The program was organized on Tuesday 26th February 2021. Dr. Ranjith Somasundaran, Associate Professor Amity University was the chief guest. The programme gave an awareness about dos and don'ts in CV preparation, interview preparation etc.

Training Programme for Communication Skills

The training programme entitled Fluency and Confidence Building was organised to develop the

English communication skills of the students. The programme was organised in association with B-Hud Academy which provides training for IELTS.

Orientation Programme for New Trending Courses

An orientation programme was organised on 6th November 2020. The aim of the programme was to provide an awareness about new generation courses and trending courses after completing graduation. The career expert Sri Laurance Mathew was the Chief Guest.



Mr. Lawrence Mathew

Orientation Programme for Courses Abroad

An orientation programme entitled "Career Opportunities Across the Globe" was organized on Friday 6th October 2020. The programme was organized in association with Geebee Education.

Job Fair - Wear tour Tie

In association with District Employment Centre Alappuzha, Job fair was organised on Saturday 16th January 2021. The fair was inaugurated by R Rajesh MLA.



LITERARY CLUB

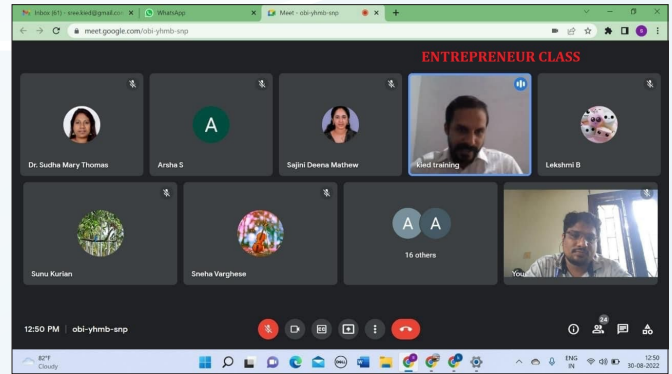
A one-day workshop was organized in collaboration with the Kerala Language Institute. Discussions were also held on how to read and the ways of reading.



Literature Quiz

Book celebration 2021 was conducted by Prof. Surjith Kallachi, Assistant Professor, MES College. Literature Quiz contest was organised on 24 June. B.

On August 30, 2022, Mr. Rahul R, from Kerala Industries and Commerce Department gave a talk on "Is There an Entrepreneur in You?"

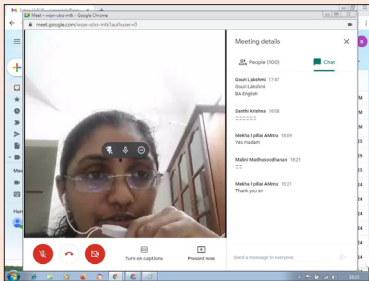


Mr. Rahul R addressing the audience

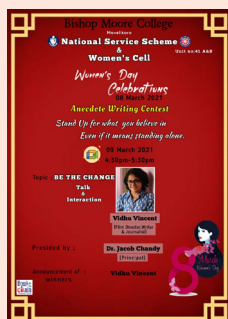
WOMEN'S CELL AND WOMEN'S STUDY UNIT

The activities of Women's Cell and Women's Study Unit are given below:

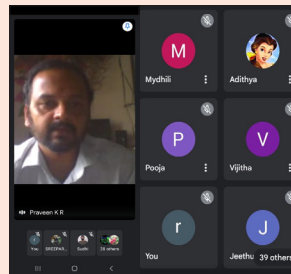
- On 26 Dec 2020, under the guidance of the Coordinator Dr Suma Alexander, Assistant Professor, Department of English, Women's Cell organized a Webinar on "Health and Hygiene for Young Women". The webinar was led by Dr. Surya K.S, Consultant Gynaecologist, Taluk Hospital, Karunagappally



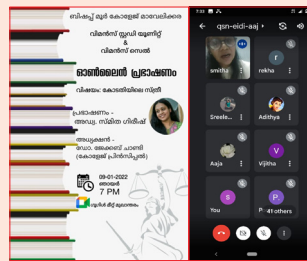
- On 09 March 2021, in connection with the Women's Day Celebrations, Film Director, Writer and Journalist, Vidhu Vincent spoke on "Be The Change"



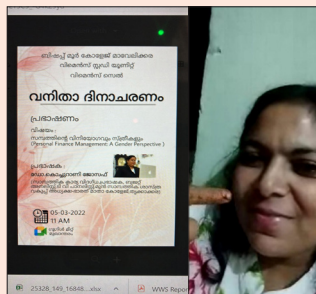
- A talk on Women in Theatrical Arts was delivered by Prof K R Praveen on 03/10/2021



- 'Women in Judiciary' was the topic of the talk offered by Adv Smitha Gireesh on 09/01/2022



- Dr Kochurani Joseph, Budget analyst, TV panelist, expert in financial matters offered a talk on 'Personal Finance Management: A Gender Perspective' on 05/03/2022



- Students also used the online platform to showcase their arts and crafts. Bottle art and mural painting training sessions were also conducted online by the students Lakshmi and Shanthy Krishna.



- Women's Day (March 8, 2022) was celebrated on grand scale. The Women's Cell and Women's Study Unit of the college organised various programmes to commemorate this special day. A Snippet Composing contest was organized, in which the students participated with great enthusiasm. The winners were awarded cash prizes and certificates.



STARS OF MOORE

STARS OF MOORE, is a uniquely designed selection process to identify the best students of the College, groom them and then after a four-level selection process zero in on the three best outgoing students of the College. The four stages are 1. General Aptitude Test 2. Certificate Verification Round 3. Personal Interview 4. Stage Performance Round. Dr. Yogesh Prasad, Assistant Professor, Dept of Mathematics is the Coordinator of STARS OF MOORE.



Round 1 - Written Examination



Interview Preparation Classes By Dr. Nair Anup Chandrasekharan



Personal Interview Round



The Grand Finale



STARS OF MOORE 2020-2021

STARS OF MOORE 2021-2022



Akhil D Varghese
BA English



Archana B.
BA English



Avinash Ashok
BSc Mathematics



Sreeparvathy S
BA Malayalam



Juby Betty
BA English



Sandra Saju
BSc Physics

