



ANNUAL REPORT 2020-21



T.K.M. COLLEGE OF ARTS & SCIENCE KOLLAM, KERALA

Re-accredited by NAAC with 'B⁺⁺',
Grade
(DST-FIST Funded Institution)



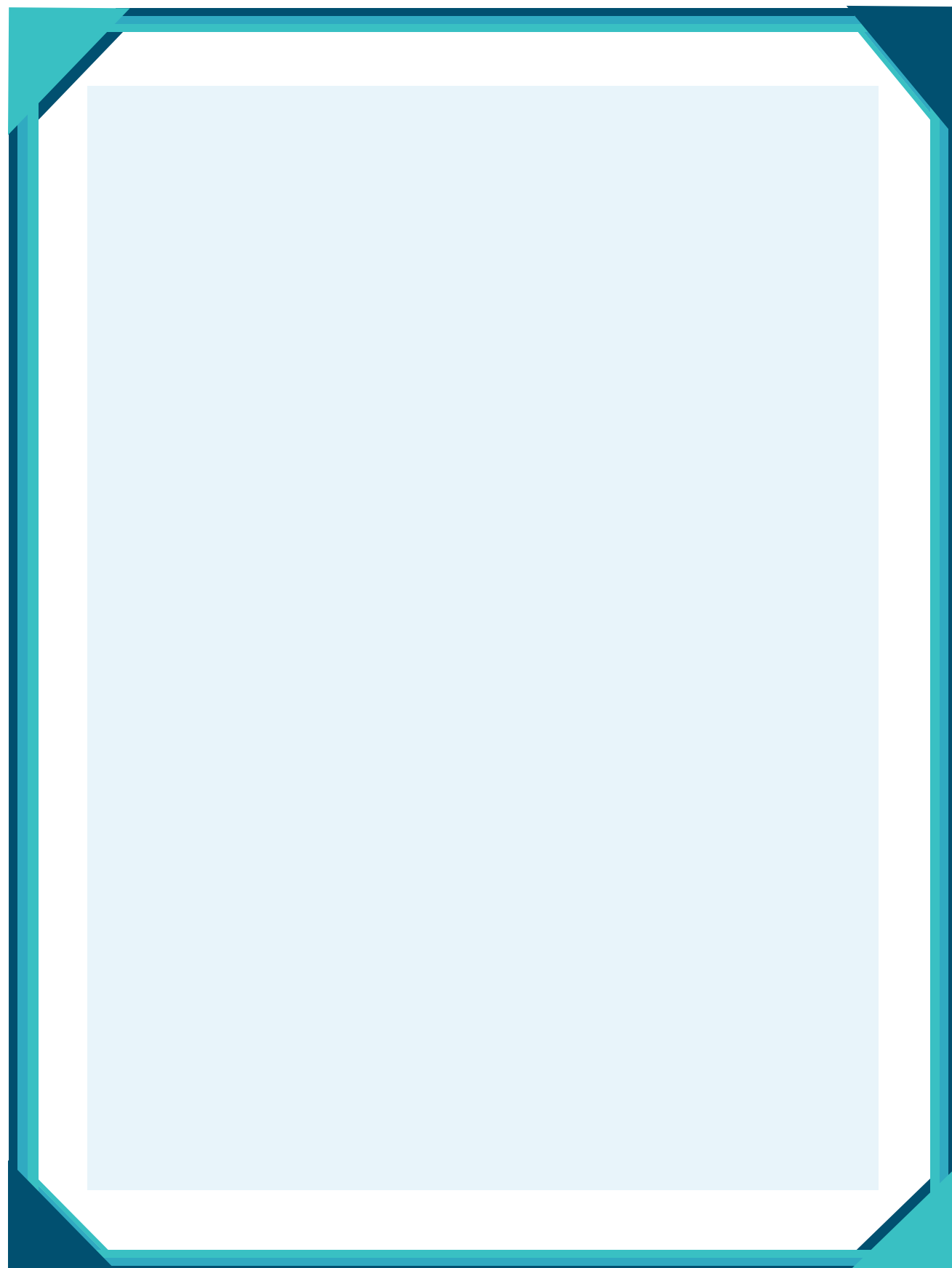


T.K.M.
COLLEGE OF
ARTS & SCIENCE

KOLLAM, KERALA

Re-accredited by NAAC with 'A' Grade
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ANNUAL REPORT ***2020-21***



ANNUAL REPORT 2020-21		 T.K.M. COLLEGE OF ARTS & SCIENCE
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**Janab A. Thangal Kunju Musaliar**

The name of our founder Janab Thangal Kunju Musaliar is written in golden letters in the annals of the history of our country. Our founder has the rare privilege of being honoured by the Union Government with postal stamp and first day covers. Janab Musaliar was much more than the founder of an educational institution. Born in a middle class family in Kollam on 12th January 1897, he had the unique distinction of being one of the world's biggest employers. His family proudly traces their ancestry to Malik ibn Deenar, a legendary Islamic missionary who came to India in the 8th century. Another ancestor of the later generation was Sheikh Ali Hassan Musaliar, entombed in the Sheikh Masjid at Karunagappally. Janab Musaliar is being the 12th in the line after him.

Janab. Thangal Kunju Musaliar's name conjures up memories of an era, when Kollam dominated the cashew export trade in the 1940s and 50s. He was the pioneer of the cashew industry in Kerala and through his meticulous vision and impeccable planning, he built up a vast business empire. He played a pivotal role in contributing the much needed foreign exchange to the state. He founded social and philanthropic organizations. He wrote books. He started a newspaper. During the Second World War, when food became scarce, he used his personal resources to carry out large scale agriculture. In the 1950s, while at the pinnacle of his business career, Janab Musaliar became preoccupied with thoughts of how best he could provide education to the new generation for the better development of the society. As a man of remarkable vision, he foresaw the tremendous importance of education in the years to come and this culminated in the formation of TKM Educational Trust in 1956. The first institution of the Trust was the very first engineering college in the private sector in Kerala. Less than a decade after founding the engineering college,

feeling the need for an Arts and Science college, Janab Musaliar oversaw the establishment of T.K.M. College of Arts and Science, one year before his unexpected demise. Though robbed of the Founder's personal guidance and patronage, the college, under the able administration and intendance of his eldest son Janab. Shahal Hassan Musaliar, soon grew in stature scripting its own saga of excellence.

The life of Janab Musaliar exemplifies greatness in its true sense. Several of his initiatives and achievements in trade, industry and education have assumed astounding and prophetic significance in the changing national and global scenario. In recognition of his invaluable contributions to the nation, the Government of India released a commemorative postage stamp in his name.

Today, as the academic opulence of T.K.M. educational institutions continue, we see the unmatched success of a visionary statesman and multifaceted personality, late Janab Thangal Kunju Musaliar, who fulfilled his noble dream of empowering the society through education.



*Janab. Dr. T.K. Shahal Hassan Musaliar*

T.K.M. College of Arts and Science, the venerable citadel of learning envisioned and founded by Janab. Than-gal Kunju Musaliar, the cashew king of Kerala, is now turning the 50th glorious annal of its academic journey. We have always believed that education has a crucial role to play in reforming society by inculcating values into the minds of the younger generation, alongside academics. The last 50 years of the institution has witnessed the efflorescence of academic exuberance and achievements that stand the test of the time. It is gratifying that the institution has succeeded in augmenting the human resource reservoir of the nation in a spectacular manner and that the alumni of the college adorn innumerable illustrious positions across the globe.

I exhort all the members of the Arts and Science college family to rededicate themselves to their academic endeavours.

BOARD OF TRUSTEES

JB. T.K. SHAHAL HASSAN MUSALIAR	PRESIDENT
JB. T. KAMALUDDIN MUSALIAR	SECRETARY
JB. T.K. JALALUDDIN MUSALIAR	TREASURER
JB. T.K. USMAN MUSALIAR	MEMBER
JB. T.K. ABDUL KARIM MUSALIAR	MEMBER
JB. T.K. AKBAR HYDER MUSALIAR	MEMBER
JB. T.K. JAMALUDDIN MUSALIAR	MEMBER
JB. T.K. BADARUDDIN MUSALIAR	MEMBER
JB. SADIQ S. THAHA	MEMBER
JB. M.A. MAHABOOB	MEMBER
JB. KHALID H. MUSALIAR	MEMBER
JB. TARIQ S. MUSALIAR	MEMBER
JB. MOHAMED HAROON	MEMBER
JB. AFSAL MUSALIAR.J	MEMBER
JB. MOHAMMED ANWAR MUSALIAR	MEMBER



Vision

Pursue excellence in academic and non – academic avenues, with a sense of civic consciousness and social commitment

Mission

- *Promote holistic education that enhances employability and life skill development
- *Cultivate a spirit of intellectual creativity and inquisitiveness
- *Nurture philanthropic attitude among the various stake holders of the institution
- *Develop the institution into an academic centre catering to diverse socio-cultural groups, especially the marginalised sections.



T.K.M. College of Arts & Science

T.K.M. College of Arts and Sciences is focused on meeting their diverse needs. It was established in 1965 by the Founder Late.

Janab A. Thangal Kunju Musaliar, is an The core values upheld by us are honest, unacclaimed citadel of learning in the city of Kollam. Re-accredited by NAAC in 2013 for the fellow beings, faith in the Sun with an 'A' Grade, which bears testimony to the preme and above all, a relentless pursuit to its potential for excellence, the institution of academic excellence through dedication today commands an unparalleled education and hard work. Learning, sharing, prestige in the academic community and caring are our watchwords. The college aims at the creation of a community of students empowered and

Right from her inception, the Arts and Science College has earned a renowned reputation for discipline and academic eminence. The college is equipped with knowledge, skills and values, who would contribute effectively to nation building. Utmost care is taken to impart quality education. In addition, the college gives paramount importance to character formation and holistic development and progress at different walks of life of the students. The diligence and enthusiasm evinced by the academic fraternity of the college help the students realise their aspirations. The enormous regular aided scheme. There are three number of students who pass through research centres functioning in the portals of this institution. Our various add-on and numerous meritorious positions in life and continuing education programmes give our this testifies to the unique distinction the students adequate exposure to different institution has sculpted out for herself. disciplines and enhance employability.

Life at TKMCAS is a rewarding experience for the student community. The college conducts a wide range of activities every year which are aimed at nurturing the latent talents of students and making them socially responsible citizens. We groom a community of luminaries for a future firmament. The campus has students from all sections of the society and it



Social Service/Extension activity of girl students and socially disadvantaged sections of the society. clubs conduct a wide range of activities every year which are aimed at nurturing the latent talents of students and making them socially responsible citizens.

The institution follows several special practices such as bridge courses and remedial courses to take care of both weak and bright students. Prime importance is given to activities such as peer teaching, group learning, project preparation, seminars and industrial visits to enhance the skills of students at multifarious levels. The institution strictly adheres to the principle of equity and inclusiveness, particularly in taking care of girl students and socially disadvantaged sections of the society.

Today, there are few peers to TK-MCAS, whether it is student discipline or academic excellence. Moreover, the college is proud to be a beacon of hope for the deserving yet socially and economically challenged students, a policy that was envisioned by our beloved Founder Janab Thangal Kunju Musaliar.

The college has already stepped into its glorious 50th year of academic excellence. Passing its golden jubilee, this sitedal of knowledge is still engaged in moulding the posterity.



Dr. Chithra Gopinath

Let me open my words by paying homage to our founder, Janab. Thangal Kunju Musaliar, whose vision and mission continue to inspire us every moment. I am never tired of repeating that the one word that is dearest to us is excellence. Our dream is to reach the acumen of supreme success in academic and non-academic spheres. Along with excellence, we aim at inclusiveness. We have dedicated ourselves to the cause of the socially and economically disadvantaged sections of the society.

We cannot afford to forget what our beloved founder taught us when he envisioned that the institution has to be rooted in the soil of the society from which it has sprung. We think global, but we act local. I am happy that the Arts and Science College family continues to strive to attain the goals of the institution with exemplary dedication and commitment.



CURRENT STATUS OF THE COLLEGE

COURSES / PROGRAMMES OFFERED BY THE COLLEGE

The college offers ten UG and six PG programmes as detailed below. The departments of Chemistry, Physics and English are Kerala University approved research centers. UGC sponsored career oriented courses (Addon-Courses) are conducting for regular students.

UG Programmes

1. B.Sc. Mathematics
2. B.Sc. Physics
3. B.Sc. Chemistry
4. B.Sc. Biochemistry
5. B.Sc. Botany
6. B.Sc. Zoology
7. B.A. English Language & literature
8. B.A. Islamic History
9. B.Com Finance
10. B.Com Computer Application
11. B.A. Economics and mathematics

PG Programmes

1. M.Sc. Mathematics
2. M.Sc. Physics
3. M.Sc. Chemistry
4. M.Sc. Biochemistry
5. M.A. English Language & Literature
6. M.Com (Finance)

Research Centres (PhD programmes)

1. Physics
2. Chemistry
3. English

Recognised Research Guides in the Institution

1. Dr. E. Krishnan Namboothiri (English)
2. Dr. Anne Angeline Abraham (English)
3. Dr. Anej Somaraj (English)
4. Dr. Swapna Gopinath (English)
5. Dr. Harsha Viswanath (English)
6. Dr. S. Sumalekshmy (Chemistry)
7. Dr. S. Anas (Chemistry)
8. Dr. M.A Siyad (Chemistry)
9. Dr. Chithra Gopinadh (Chemistry)
10. Dr. Simimole H. (Chemistry)

11. Dr. Abdul Rahim M.K. (Chemistry)
12. Dr. Bobby.T. Edwin (Botany)
13. Dr. M.J. Sheeba (Botany)
14. Dr. Shehnaz S.R. (Commerce)
15. Dr. Mohammed Salim. M. (Physics)
16. Dr. P.K. Manoj (Physics)
17. Dr. Najitha. S. (Physics)
18. Dr. V. Srikrishna Kumar (Physics)
19. Dr. Indulal C.R. (Physics)

Continuing Education Courses - University /Government

1. Certificate in Library and Information Course (CLISc)
2. PG Diploma in Counselling (PGDC)

Competitive Training Programme

1. Coaching class for UGC/CSIR examination for JRF/Lectureship

Scholarships Offered by the Institution

1. Professor A. Hussain Memorial Scholarship
2. Bini Endowment Scholarship
5. Scholarship by Former Students Associations.
4. Alumni Scholarship
5. Management Scholarship
6. Prof.P.L.Mariam Retirement Memorial Endowment.

7. Prof. Ancil Francis Retirement Memorial Endowment
8. Prof. E. Mathew Retirement Memorial Endowment
9. Prof. S.P. Yusuf Rawther Retirement Memorial Endowment
10. Prof. K. Velayudhan Nair Retirement Memorial Endowment Scholarship.

11. Prof. K. Mukundan Retirement Endowment Scholarship

12. Prof. H.M. Kassim Sait Memorial Endowment Scholarship

13. Janab T.A. Sayed Muhammed Memorial Endowment

Facilities in the College

1. Modern buildings with excellent class rooms
2. State of art library with above 6000 e journals
3. Access to N-LIST of infolibnet and wide range of online databases
4. Online book renewal system
5. Online document delivery service (ODDS)
6. Mobile public access catalogue (MO-PAC)
7. ICT enabled class rooms
8. Optical Fiber Technology
9. golden jubilee Civil service coaching center





10. Campus Wi-Fi enabled with free connectivity
11. Olympic standard swimming pool
12. Vibrant training and placement cell
13. A college with campus recruitment - MRF, Federal Bank, Infosys, TCS and Wipro Employability Centre under Government of Kerala conduct mega job fair in the college
14. The college has two computer labs with 50 computers in addition to computation lab facility in Mathematics and Physics department. Browsing centre and internet facility are available in the college.
15. Optical fiber connectivity and Wi-Fi facilities have been enabled in our campus since 2015.

16. Power transformer and power generator were installed in the campus for uninterrupted power supply

Tie-Up and Collaboration

1. College has tie-up with Higher Education Department, Govt of Kerala for imparting skill development.
2. College has tie-up with Continuing Education, Government of Kerala for job-oriented courses
3. College has tie-up with CACEE, University of Kerala for conducting continuing education courses

Parents Teachers Association (PTA)

The college has an active Parents Teachers Association (PTA) that provides remarkable support to the routine functioning of the college. The PTA assists the overall development of the students by extending financial and other supports to the curricular, co-curricular and extracurricular activities of the students. There are six executive committee members with the principal as the ex officio president. While a faculty member is selected to serve as the secretary, one of the parents is elected as the vice president.

The first general body meeting is held at the commencement of the academic year and the members of the executive committee are selected in this meeting. In addition to the general body meeting, class PTA meetings are also organized to discuss the progression and other allied affairs of the students concerned.

In order to enhance the academic ambience of the college, PTA organizes Merit Day in which scholarships are distributed to the students in view of both merit and need. Seminars, workshops, etc. conducted by IQAC are funded by PTA. Moreover, PTA extends aid for the beautification of the campus. The aims and objectives of the PTA include:

*Promoting good / positive relationships between teachers, students, staff and parents/guardians.

*To ensure quality academic standards and the smooth working of the college.

*To ensure required infrastructural facilities.

*The PTA meetings create a general awareness about the overall performance of the students, statuses of developmental activities of the college, etc.

*To inculcate the members with a keen interest for the smooth working of the college including the maintenance of discipline and high academic standards

*To collect voluntary subscriptions, donations, gifts, etc., from members, non-members and other institutions for furthering the developmental activities.

*To organize scholarships, prizes, medals, etc. to benefit extraordinary students.

Office Bearers



Dr. Chithra Gopinath
President



Prof. Imthias Ahamed T. P.
Vice President



Nisamudeen Ashique P.K.
Secretary



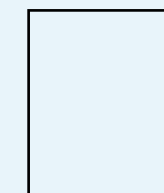
Dr. Abdul Rahim M.K.
Tressurer



Niyas S.M.
Executive member



Muhamad Shafi
Executive member



Noorjahan Jaleel
Executive member



Rank Holders



Sruthy V (First rank, MA English, Kerala University)



Sansiya Yesudasan (First rank, Msc Biochemistry Kerala University)



Haritha Mohan S. (Second rank, Msc Biochemistry- Kerala University)

INTERNAL QUALITY ASSURANCE CELL (IQAC)

The IQAC, established in 2004, plays a pivotal role in maintaining and monitoring the academic, extra-curricular and administrative aspects of the college, with the exclusive purpose of quality improvement. The IQAC provides crucial support for the management and the Principal in the process of decision-making and implementation of quality enhancement policies.

Objectives and Functions of the IQAC

The IQAC stays abreast of the various developments in the higher education sector, specifically focusing on the UGC and NAAC guidelines which undergo constant updations. The IQAC is tasked with the mission of disseminating these guidelines among the teaching and student community of the college thereby ensuring a dynamic and vibrant atmosphere within the institution.

IQAC facilitates the creation of a learner-centric atmosphere in the college which makes use of various innovative and participatory teaching as well as learning techniques.

Another crucial task undertaken by the IQAC is the documentation and analysis of feedback from the various stakeholders in the teaching-learning process.

The IQAC provides support for the various departments and extension clubs in the conduct of academic and extra-curricular seminars, workshops and lectures.

Another important and strategically important mission of the IQAC is the consolidation of documents with regard to student and faculty profiles, result analysis, curricular and co-curricular events organised by the college, financial and academic audit, infrastructure development etc.

Specifically, over the past couple of years, the IQAC has made great strides in improving the ICT and IT facilities in the college, energizing the various academic and administrative functions of the college.

The IQAC functions in the role of point person, in the adoption, implementation and monitoring of Learning Management System (LMS) as well as Management Information System (MIS) as part of the quality enhancement initiatives of the college.

The IQAC prepares the Annual Quality Assurance Report (AQAR) as well as Self Study Report for submission before NAAC.

The IQAC helms the process of applying for National Institutional Ranking Framework (NIRF).

One of the main ways in which IQAC ensures the dissemination of information with regard to the latest developments in the higher education sector, is through the organization of workshops/training programmes for Teaching and Non-Teaching Staff.

The IQAC plays a key role in facilitating the various aspects related to the Career Advancement Scheme (CAS) of the teaching and non-teaching staff



Dr. Shahal Hassan Musaliar
Patron President, T.K.M. College Trust



Dr. Chithra Gopinath
Principal, Chair person



Dr. Sumalekshmy. S
Co-Ordinator



Dr. Finser. K. Muhammed
Teacher Representative



Dr. Ansil. P.N
Teacher Representative



Dr Sulfiya S. Santhosh
Teacher Representative



Safir T.K.
Teacher Representative



Dr. Aswathy M.R.
Teacher Representative



Niza N.
Teacher Representative



Dr. Abdul Rahim M.K.
Teacher Representative



Dr. P.K. Manoj
Teacher Representative



Abdul Majeed
Teacher Representative



Dr Shehnaz S.R.
Teacher Representative



Dr. M. Haroon
Alumni



T.K Jalaluddin Musaliar
Industrialist



Shareefa Beevi I.
Alumni



Radhika G.S.
Student Representative



Virtual Lab Nodal Centre



Virtual Labs provides a fully interactive simulation environment to perform experiments, view animations, collect materials and protocols related to experiments, and answer questions to assess the understanding of the knowledge acquired. Virtual Labs Nodal Centre Program is an initiative of National Mission on Education through ICT, MHRD, Govt. of India. T. K. M. College of Arts and Science have been selected as a Nodal Centre of Virtual Lab since from September 10th, 2020. Faculties and students from the departments of Biochemistry, Botany, Chemistry, Physics and Zoology are the major beneficiaries of virtual lab. All the above stakeholders are provided with a unique login ID to access the virtual lab. In order to enhance the benefits of virtual labs to the students and faculty members, workshop/training programmes are regularly conducted in association with Amrita Virtual Lab team, one of the major participating institute of Virtual Labs, MHRD, Govt. of India.

Nodal Coordinators

Dr. Ansil P. N.

Assistant Professor in Biochemistry
E-mail: vlab@tkmcas.ac.in

Dr. Mohammed Salim M.

Assistant Professor in Physics

Indian Institute of Remote Sensing (IIRS)



Indian Institute of Remote Sensing (IIRS), which comes under the Indian Space Research Organisation, Department of Space, Government of India conducts outreach E-Learning Education Programmes in the field of Remote Sensing, Geoinformatics and GNSS technology for natural resources, environmental and disaster management. As part of the distance learning programme of IIRS, TKM College of Arts and Science, Kollam has been selected as its network institute in 2020. The students of the college were offered various certificate courses in Remote Sensing of Land Degradation and Global Navigation Satellite System. Dr. Mohammed Salim. M, Assistant Professor, Department of Physics has been selected as the coordinator of the programme.

Students listed in the following table successfully completed various courses offered by IIRS

Sl. No	Student Name	Programme	IIRS Course
1	Ms. Devi R Krishna	B.Sc. Physics	Global Navigation Satellite System
2	Ms. Sreelakshmi K.V	B.Sc. Physics	Global Navigation Satellite System
3	Ms. Aliya Thasnim H	B.Sc. Physics	Global Navigation Satellite System
4	Ms. Ganga. N. R	M.Sc. Physics	Remote Sensing of Land Degradation



Streaming Quality Management: Training Program on Cloud Based Accreditation Software



A two day Faculty Training Program was organized by IQAC on the 9th and 10th of March 2021. The main objective of the Training Program was to enhance the educational process using software applications like LMS, Office Automation Systems and Campus Technology. The resource persons Akshate Dhavleghar, Associate Consultant, Campus Technology, Bengaluru, and Ankit Kumar Jha, Campus Technology, Bengaluru, talked about the Information Communication Technology

(ICT) and its integration in education in developing and developed countries, as well as about how services like e-governance, e-health and e-business could be extended on a wider scale. As the thrust area of the program was on Quality Management, the resource persons focused more on interactive e-Learning Management System and Office Automation Systems. The faculty were introduced to the new learning techniques by Akshate Dhavleghar who shared his experience on his journey as a mentor. He invited the members to take on responsibilities and groom themselves as academic leaders. Learning Management System, popularly known as LMS, is fully automated web-based software that companies and institutions use to develop, deliver and track training for their employees, clients and partners. It enables one to create, manage and deliver eLearning courses and training programs. It consists of two parts:

An Admin Interface, where the training manager performs the core

back-office tasks to organize learning programs. This is where he creates, manage and deliver courses, add learners, analyse reports, automate notifications, etc.

A User Interface that which runs inside one's browser (G Mail or Facebook). This is what the learners see when they enrol in a course. LMS used for all kinds of learning activities enables the learners to study the material online at their own pace, helps the learners gain knowledge through training and above all to cut down on employees training costs.

With remote learning gaining more emphasis during the COVID-19 pandemic, teachers trained in LMS could make learning more collaborative and interesting by providing easily reachable classrooms, readily accessible study material and setting up congenial atmosphere preferable for productive learning. Campus Technology resources provide access to course materials and information and help maintain a well-connected campus community.

As part of e-governance the members of the office staff were also given training on using Office Automation Systems (OAS) to help increase the productivity of clerical workers and enhance adminis

trative communication in the workplace. The primary purpose of this training was to facilitate oral and written communication by using such set of tools that gather, process, store, retrieve and disseminate information among workers both inside and outside the organization.

44 faculty members attended the program. The program ended with the motivating words of Ankit Kumar Jha who reiterated that it just took committed work and right attitude to have a greater career.



Akshate Dhavleghar and Ankit Kumar Jha with the Principal and the IQAC Co-ordinator of the College



Faculty members of the college attending the programme



Contemplative Practices in Social Science Research



The speaker gave an intuitive and insightful lecture on contemplative research. He emphasized that the contemplative based inquiry is unique in recognizing the deep oneness of humanity, since it requires embodied awareness as well as openness to the transpersonal dimensions of the human experience. Rather he pointed that only a contemplative vision that pushes the boundaries between disciplines and culture can extend and broaden the social and human sciences.

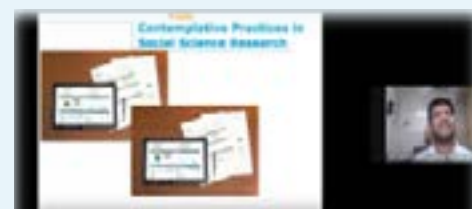
The programme drew to an end at 12:30 pm with a formal vote of thanks by Dr. Finser, Assistant Professor, Department of Islamic History, T.K.M.Col-

lege conducted a one day Faculty Training Programme via Google Meet on 18 September 2020. The training on 'Contemplative Practices in Social Science Research' propelled the participants to be aware of the applications of contemplative research and practice.

The research person of the programme was Dr Sameer Babu M, Assistant Professor in Education, University of Kerala, Thiruvananthapuram. The programme was inaugurated by the principal of the college, Dr. Chithra Gopinath followed by an introductory speech by S. Shajida, HOD, Department of Islamic History. The programme started at 10:30 am and around 8 participants joined the meeting.



Dr. Sameer Babu in the webinar



Screenshots of the programme on "Contemplative Practices in Social Science Research"



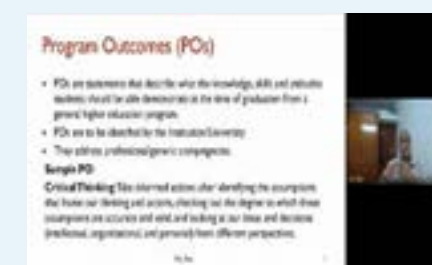
Two-Day FDP on Outcome Based Education



Commerce, Thanseena Bai, Assistant Professor, Department of Commerce.

The resource person of this programme was Prof. N. J. RAO retired professor at Indian Institute of Science, Bangalore, also a member of Core committees that defined the present NBA Accreditation process, and the new Accreditation processes of NAAC. His present research interests include higher education, pedagogy and education technologies, particularly assessment and metacognition. A Two day online technical session was conducted. Which was an effective training session to get an understanding about the programme outcome, programme specific outcome, course outcome. This was a interactive session to clarify the doubts and enrich the academic experience of the faculties. The participants rated the program and gave positive feedback about the session.

The Department of Commerce in Association with IQAC organized Faculty Development Programme on the topic Outcome Based Education. This program was conducted with a view to make a change in on-going education practices and upgrades ourselves to outcome-based education. The faculty members of our college were the participants of this programme. Welcome Address, Presidential Address, Inaugural Address, felicitation and vote of thanks were done by ,Ruksana Sulthana A H, Head and Assistant Professor in Commerce, Dr. Chitra Gopinath, Principal, T.K.M College of Arts and Science, Dr. Shahal Hassan Musaliar, President, T.K.M College Trust, Dr. Sumalekshmi, IQAC, Coordinator,, Kollam, Kerala, Dr. Shehnaz S.R. Assistant Professor, Department of





Screenshots of the Two-Day FDP on "Outcome Based Education"



Virtual Labs Nodal Centre Program is an initiative of National Mission on Education through ICT, MHRD, Govt. of India. Virtual Labs provides a fully interactive simulation environment to perform experiments, collect data, and answer questions to assess the understanding of the knowledge acquired. The Nodal Centre Program is an exciting venture which allows people to follow the progress of VALUE Virtual Labs

(Amrita Virtual Lab) and provides a platform for everyone to contribute towards the future development of Virtual Labs and experiments.

The Expression of Interest (EOI) to establish a Nodal Centre of Virtual Lab at T. K. M. College of Arts and Science was forwarded to Amrita Virtual Lab on 03/09/2020. Dr. Ansil P. N. Assistant Professor in Biochemistry and Dr. Mohammed Salim M., Assistant Professor in Physics were proposed as the first and second Nodal Coordinators respectively for the Virtual Lab of the TKMCAS. On September 10th, 2020, we received an official intimation from the Amrita Virtual Lab about the selection of our College for Virtual Lab Nodal Centre Programme.

For getting unique login IDs for accessing virtual lab it was necessary to furnish the details of students and faculties in the prescribed format. For collecting the same the HoDs of the department of Biochemistry, Botany, Chemistry, Physics and Zoology were requested to circulate the Google form created for the purpose and do the necessary follow up to ensure the completion of the data collection. The request for receiving the unique login IDs for accessing virtual lab was forwarded on 22nd, September 2020 in the prescribed format. The details of faculties and students (II year M.Sc., III and II year B.Sc.) from the above departments are submitted for the unique login ID request. The unique login ID for the students and faculties were received on 26th, September 2020.



On 27th, September 2020, a request was forwarded by the Nodal coordinator, Dr. Ansil P. N. for an online workshop/training program for enhancing the benefits of virtual labs to the students and faculty members. 345 students and 20 faculties registered for the programme scheduled to be conducted on 03/10/2020, Saturday at 3.00 PM. The notification and brochure registration forms were circulated in student's social media groups of the participating departments.

a 10 minutes question and answer session and a feedback was collected from all the participants. We have recorded the training session for future reference, as we couldn't able to accommodate all the registered participants due to the restriction of the Google Meet platform, not to allow more than 250 participants at a time. Dr. Mohammed Salim M., Nodal Co- coordinator, proposed the vote of thanks and the programme concluded by 4.30 PM.

The online workshop was conducted on Google Meet platform. The programme started at 3.00pm with the welcome speech of Dr. Ansil P. N. He also introduced the Resource person Mr. Saneesh P. F., Project Manager, Amrita Virtual Labs, Amrita Vishwa Vidyapeetham, Kollam. Mr Saneesh is the Technical Lead of Physical Sciences Virtual labs, Amrita Vishwa Vidyapeetham. He is also the supervisor of virtual lab deployment classes and a specialist in quality control of physical sciences simulations. He has co-coordinated national and international conferences at Amritapuri campus. He has several international journal publications in field of educational technologies.

He described the various features of the Virtual lab platform and demonstrated one experiment each from Physical, Chemical and Biological Sciences. He also explained about simulators, animation, self-evaluation and feedback facility of virtual lab portal. There was



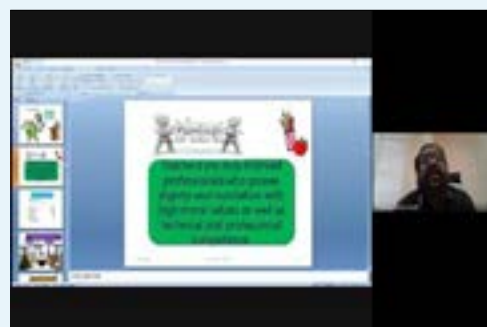


Exploring the Dimensions of Quality Research and Teaching



The Faculty Development programme was organized by Department of Chemistry in association with Internal Quality Assurance Cell, T. K. M. College. The programme was conducted on Wednesday, 23 September 2020 under the title 'Exploring the Dimensions of Quality Research and Teaching'. The programme was conducted on Google Meet platform. The programme started at 04.00 pm with the welcome speech of Dr. Anas S, HoD, Department of Chemistry. Dr Chithra Gopinath, Principal of T.K.M College of Arts & Science, Kollam, did the Presidential address. Sherifa Rahim, webinar coordinator (Faculty of Chemistry), introduced the resources person.

Prof. Kuruvilla Joseph mainly focused on the subject Research productivity and effective Teaching. He explained how to become a good Researcher and what will be the contributions of a Researcher to Science and Society. He also explained the various steps involved in a Research process. This helped a lot to those who are beginners in Research. It was said that a certain amount of Irreverence is essential for the creative pursuit in Science. He also conveyed the qualities of a Dedicated Teacher. According to the participant's feedback, the session was very simple, lucid, informative, interactive and relevant. 113 people participated in the webinar. The participants included faculty members, doctors, research scholars and students of various PG and UG courses. There was a 15 minutes Q & A session after the presentation by the resource person. E- Certificates were provided to all the participants who successfully attended the session and submitted the feedback form. Dr Sumalekshmy S, (IQAC Coordinator), Assistant Professor, Department of Chemistry proposed the vote of thanks and the programme concluded by 5:45pm.



Combating COVID with Ayurveda & Yoga: Indigenous Defense against the Global Pandemic



A faculty Training Programme on the Covid-19 pandemic situation was organized by the **Department of Biochemistry** in association with **Internal Quality Assurance Cell**. The Faculty Training Programme was conducted on Thursday, 17th, September 2020 under the title '**Combating COVID with Ayurveda & Yoga: Indigenous Defence against the Global Pandemic**'. The programme's notification and online registration forms were circulated in various

academic social media groups. 175 people including 21 faculty members registered for the programme. The programme was conducted on Google Meet platform. The programme started at 02.00 pm with the welcome speech of Dr. Latha B. HoD, Department of Biochemistry. Dr. Ansil P. N., webinar coordinator, introduced the resource persons:

1. **Dr. Premjith P R**, Medical Officer (Ayurveda), Institute for Communicative and Cognitive Neuro Sciences [ICCONS], Shoranur, Palakkad.

2. **Dr. P. I. Muhammed Safeer**, MD (Ayu.), Assistant Professor, Department of PG studies in Swasthavritta & Yoga, VPSV Ayurveda College, Kottakkal.

Dr. Premjith P. R. explained the basic concepts of Ayurveda and the Ayurvedic perceptions about the pandemics. He conveyed the message that Ayurveda is a way of life and that the management of diseases according to Ayurveda includes physical and emotional wellbeing. Dr. P. I. Muhammed Safeer. Started his session at 2.45 pm after the end of session. He added the





importance of Yoga in disease management and demonstrated some simple Yoga techniques which are useful for the management of COVID. In addition, he explained about the immune boosting herbs and foods and their use in daily life. According to the participants feedback the session was very simple, lucid, informative, interactive and relevant especially during this pandemic period. 151 people across the state participated in the webinar. The participants included faculty members, doctors, research scholars, and students of various PG and UG courses. There was a 30 minutes Q & A session after the presentation by the resource persons. E- Certificates were provided to all the participants who successfully attended the session and submitted the feedback form. Ms. Ajinza A., Assistant Professor, Department of Biochemistry proposed the vote of thanks and the programme concluded by 04.15 pm.



Screenshot of the Programme on 'Combating COVID with Ayurveda & Yoga: Indigenous Defense against the Global Pandemic'



COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques and Future Directions



The webinar notification and on-line registration forms were circulated in various academic social media groups. A total of 222 people registered for the programme.

The webinar was conducted on Google Meet platform. The programme started at 10.30 am with the welcome speech of Dr. Latha. B. HoD, Department of Biochemistry. Dr. Chithra Gopinath, Principal, TKMCAS, inaugurated the function. The guest of the day **Dr. Joshy Joseph, Principal Scientist & Associate Professor of AcSIR, CSIR-NIIST, Thiruvananthapuram**, was introduced by the webinar coordinator Dr. Ansil P. N. Dr. Joshy Joseph explained the current mortality and transmission rates of COVID 19 and the various diagnostic tools for the detection of viral RNA present in the human body such as antigen test, antibody test, RT- PCR, RT-LAMP, True Nat test etc. According to the participants feedback the session was very informative, interactive and relevant especially during this pandemic period. Many participants suggested conducting more these kind of informative sessions as it would benefit a larger scientific community. 182 people participated in the webinar including the participants from USA

The Department of Biochemistry in collaboration with IQAC organized a faculty training programme on Covid 19 diagnosis. Dr. Ansil P. N., Assistant Professor, Department of Biochemistry was nominated as the coordinator of the webinar. The webinar was conducted on Saturday, 12th, September 2020 under the title '**COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions.**'



and Australia. The participants included faculty members, doctors, and research scholars, students of various PG and UG courses across the globe. There was a 20 minutes Q & A session after the presentation by the resource person. E- Certificates were provided to all the participants who successfully attended the session and submitted the feedback form. Ms.Soumya S., Assistant Professor, Department of Bio-chemistry proposed the vote of thanks and the programme concluded by 12.15 pm.

One-Day Workshop on Budget Documentation and Preparation of Audit Statement



The Internal Quality Assurance Cell of the college conducted a one-day Workshop on Budget Documentation and Preparation of Audit Statement for the non- teaching staff on 21/08/2020. Limseer Ali P.A., Assistant Professor in Political Science, M.E.S.College, Pon-nani, led the Workshop. The aim of the workshop was to devise budgets that examine the institution's priorities and produce accurate and balanced budgets that will help maintain control over its finances.

The session after the lunch break was



Limseer Ali P.A. during the workshop

chiefly devoted to documentation activities where all members took special attention in improving their styles of presentation. The writing session helped the finance and accounts'staffs develop an understanding of the categories of budget and budget documentation, the different approaches to it, and to familiarize the types of audit, timelines and essentials of audit reports in a great measure. Instructions were provided to staff on the correct classification of government vs. non-government transactions. The resource person introduced spread sheets and samples of budget to the newly appointed staff members. This workshop helped to identify and assign primary responsibilities to the members in the financial management section and to assign backups for these responsibilities.

The workshop was truly a beneficial one as it helped the financial professionals gain significant skills in standard accounting.



Shifting Paradigms in Higher Education and Quality Assessment: Keeping up with the Changes



Internal Quality Assurance Cell (IQAC) of TKM college organized a two day workshop on 'Shifting Paradigms in Higher Education and Quality Assessment: Keeping up with the changes' on 20 and 21 August 2020. The resource person was Limseer Ali P. A., Assistant Professor in Political Science, MES College, Ponnani. The programme was inaugurated by the principal of the college Prof. Najeem. E. He gave an introductory talk followed by the presentation given by the resource person. He stressed on the importance of higher education and the recent shifts in the same. Higer



education today has become very complex with STEM, skills, simulation, flipped classroom and multimedia learning, we now have moved to a teaching space that requires the ability to capture the student's attention in an online mode. The lecture was followed by the discussions and the programme ended with a vote of thanks at 2 pm.



Limseer Ali P.A. addressing the audience at the two-day workshop on "Shifting Paradigms in Higher Education and Quality Assessment: Keeping up with the Changes"



FDP on Examination Reforms: Towards Online Assessment



Department of Commerce conducted a two-day workshop on Examination Reforms: Towards Online Assessment as a Faculty Development programme on 6th July 2020 to 7th July 2020. The event was inaugurated by the Principal of the college E.Najeem. Dr. Achuthsankar S. Nair, Professor, Department of Computational Biology and Bioinformatics, University of Kerala, was the resource person. He conversed on the examination reforms require to be implemented in the higher education sector especially in the context of Covid-19. The second day of the workshop focused on online assessment and evaluation. The webinar was in a discussion mode, and a number of teachers raised their queries on online valuation,

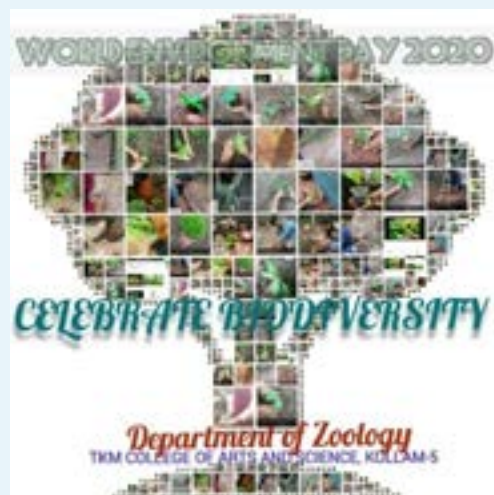


Prof. Achuthsankar S. Nair delivering the key note address

and the resource person logically presented his views on all those queries. IQAC coordinator Dr.Sumalakshmi S., Ruksana Sulthana A.H., HOD, Commerce and Dr. Sulfiya Samad, Convenor of the programme addressed the virtual meet.



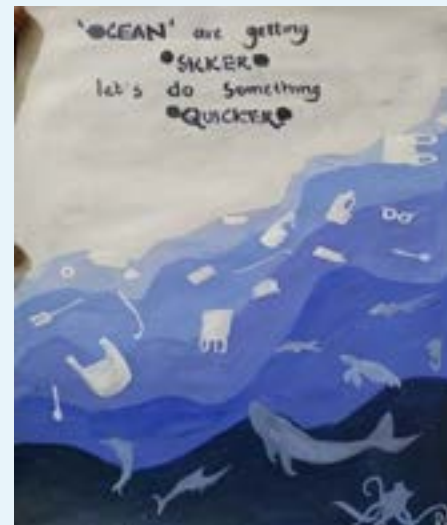
UN World Environment Day



Department of Zoology observed UN World Environment Day, 2020 on 05th June by planting trees across the district and taking pledge to be nature conservationists. Being lockdown due to COVID pandemic, each participant planted fruit and shade tree saplings in the premises of home and took pledge him/herself. They took time stamped photographs of their conservatory efforts of planting saplings as well as facilitating microhabitats for supporting many biota in their surroundings.

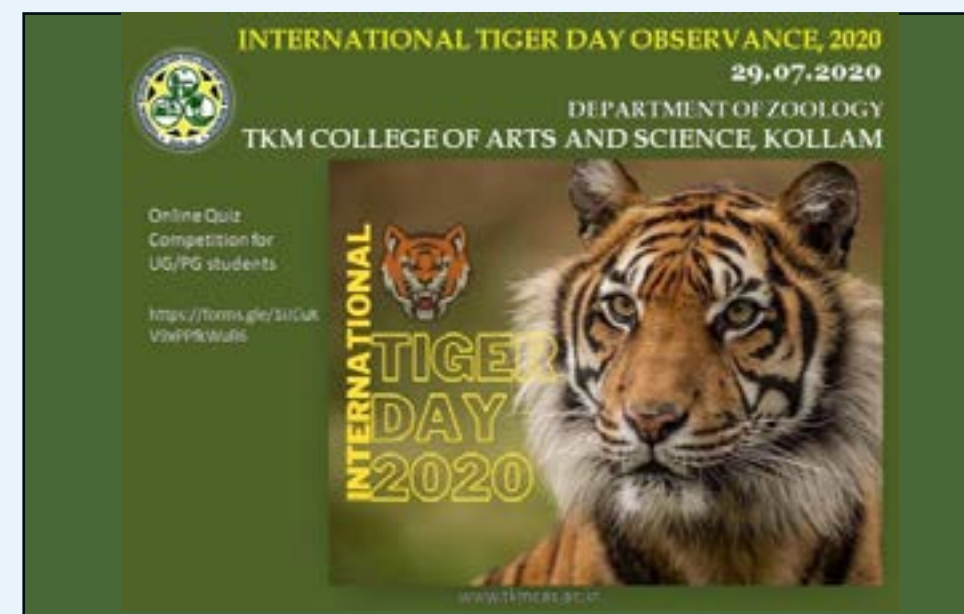


Un World Oceans Day Observance - 08 June 2020



Department of Zoology organized an online UG level poster competition on 08th June in connection with the observance of UN World Oceans Day, 2020. Lockdown restrictions due to COVID pandemic made it mandatory to conduct the programme online. The theme of the World Oceans Day, 2020 was 'Innovation for a sustainable Ocean'. Participants from various colleges registered for the programme and submitted their pieces of art on the theme via Google form.

International Tiger Day Observance - 29 July 2020



Department of Zoology organized an online quiz competition on 29th July in connection with the observance of International Tiger Day, 2020. On-line platform opted due to the lockdown restrictions in the covid scenario attracted a plethora of participants. The entries submitted via Google form were assessed and certificates were distributed to those who scored above 80%.





World Animal Day Observance And Wildlife Week Celebration - 05 October 2020

Department of Zoology organized a webinar on 05th October in connection with the observance of World Animal Day, 2020 (04 October) and Wildlife Week Celebration, 2020 (02-08 October). The programme was organized to raise awareness among student community to stand for the welfare of animals across the globe. Mr. Renjan Mathew Varghese, the State Director of WWF-India was the key-note speaker of the programme. He stirred up the thoughts and feelings of the participants for the protection, conservation and well-being of animals in and out of the wild.



Renjan Mathew Varghese addressing the online gathering



World Wildlife Day Observance - 03 March 2021



News paper reports of the event

Department of Zoology observed World Wildlife Day 2021 on 03rd March by conducting a webinar on the theme 'Forests and Livelihoods: Sustaining People and Planet'. Mr. I. Siddique IFS, Conservator of Forest, Social Forestry, Southern Region, Kollam inaugurated the programme.

Prof. Sreehari Raman, Assistant Professor, Dept. of Wildlife Science, College of Forestry, Thrissur (Kerala Agricultural University) delivered the key note address. Mr. Dinesh. S (Assistant Forest Conservator, Social Forestry Extension Unit, Kollam) felicitated the programme.

Earn While You Learn: One Day Training and Workshop on Earning from Pets



Shahida Kamal during her inaugural address



Department of Zoology observed International Day of Happiness, 2021 (20 March) by organizing a programme entitled 'Earn While You Learn: One day training and workshop on earning from pets' with the motto 'Joy and Income from Pets' in association with Kerala government Livestock Management and Training Centre (LMTC), Kottiyam



on 19.03.2021. Kerala Women's Commission member Mrs. Shahida Kamal inaugurated the workshop. Persian cats, puppies, exotic parrots, guinea pigs, fighting cockerels, ornamental pigeons, ornamental fishes, and the world's smallest puppies excelled at the event. The method of keeping a variety of parrots, puppies and fishes were described in detail and pamphlets on how to care for them were distributed.

One Day Hands On Training on Ras (Recirculatory Aquaculture System) and Vegetable Cultivation - 26 March 2021



Tilapia fingerlings pond



Tilapia seeds are released



Water quality monitoring - pH

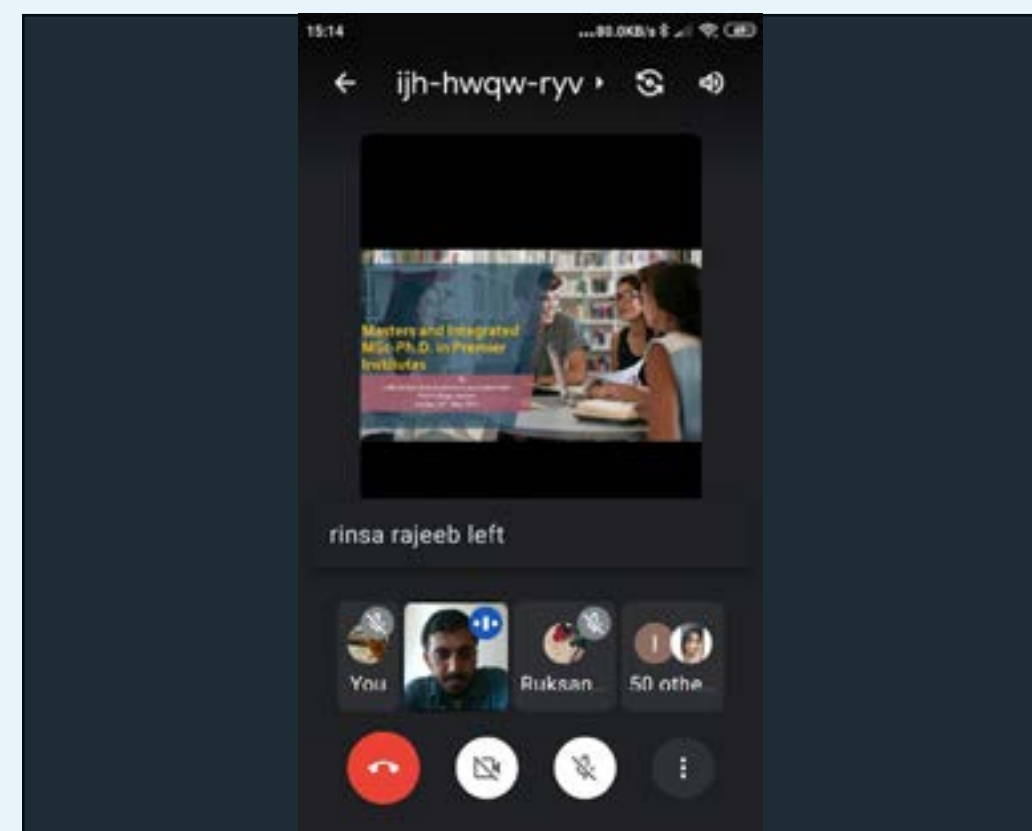


Water quality monitoring - NH₃ and Nitrate



Department of Zoology in association with the Entrepreneurship Development Club of the college conducted a visit to a food safety unit and RAS unit at Aakolil, Eravipuram, Kollam on 26th March 2021. Technical session was conducted by Dr. Troy (Fisheries and Department officer, Kochi) and Dr. D. Shine Kumar (Asst. Director, LMTC, Kottiyam, Kollam). The session was meant to familiarize RAS farming system for Tilapia breeding and seed production techniques.

Webinar on Competitive Examinations



Mr. Muhasin K during his talk

Department of Zoology organized a career/exam orientation webinar on 30th May in collaboration with e-Bio, an institute for the coaching for competitive examinations for higher education in premier institutes like IIT, IISER, IISc etc. Mr. Muhasin K, the Director of e-Bio addressed the students and detailed the steps to prepare for the entrance examinations for PG and research degrees in higher institutes.



World Environment Day - 05 June 2021



Dr. S. Chithra IAS during her inaugural address

Department of Zoology in association with the Environmental Club & IQAC observed UN World Environment Day on 05th June 2021 via Google Meet & YouTube Live. Dr. S. Chithra IAS (Labour Commissioner & Former Director, Environment & Climate change) inaugurated the programme and delivered an awareness talk on 'Ecosystem Restoration'.

Ecosystem Restoration Programme - 18 August 2021



Sreelekha R. IPS during her inaugural address



A long term Social Extension programme - 'Ecosystem restoration' was initiated by the Department of Zoology in association with the Environmental Club and Nature Club of the college and joining hands with Nanma Maram Global Foundation. 250 fruits tree saplings were procured to develop a nursery in the college in collaboration with the Chungath Group of Jewellers. Kerala's First Woman DGP, **R. Sreelekha IPS** inaugurated the programme. TKM Trust Treasurer, **Janab. Jalaludin Musaliar** inaugurated the distribution of fruit tree saplings to the public by handing over the saplings to Mrs. Sheeja Sajeew. (Kottamkara Grama Panchayat Member)



Fruit tree sapling distribution



TKM Trust member and Treasurer Jalaludin Musaliar honouring Sreelekha IPS



Making of Cleansing Agents - 16 August 2021

Department of Zoology, Entrepreneurship Club and IQAC of the college jointly organized a workshop on 'Making of Cleansing Agents' in association with the Kerala Sasthra Sahithya Parishath on 16th September 2021 as part of the 'Earn while you Learn' programme initiated by the department. The aim of this programme was to train students on making cleansing agents. Dr. Bineesh, CEO, Censci Chemicals, Mumbai inaugurated the workshop.



Value Added Products from the Water Hyacinth - Hands on Training Programme - 16 August 2021



Department of Zoology, Entrepreneurship Development club & IQAC of the college jointly organized a Hands on training programme on 'Value Added Products from Water Hyacinth' as part of the programme 'Earn while you Learn' on 16th September 2021 Via Google Meet. The aim of this programme was to train

students on making value added products from Water Hyacinth. Dr. G. Nagendra Prabhu (Assistant Professor, P. G. Department of Zoology and Principal Investigator, Centre for Research on Aquatic Resources, SD College, Alappuzha) inaugurated and handled the training session.



Importance of First Aid In Saving a Life - Awareness Talk - 21 September 2021



Department of Zoology & Department of Biochemistry of the college jointly organized an awareness talk on 'Importance of First Aid in saving a Life'. **Dr. Ahmed Shaheel Sultan (Trauma and Joint - Replacement Surgeon and Faculty, Govt. TD College, Alappuzha)** delivered the awareness talk.



Ecosystem Restoration on Gandhijayanthi Day

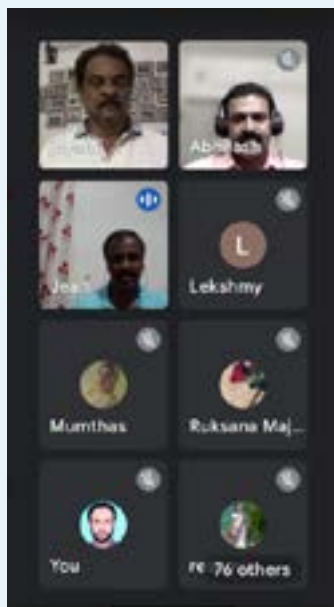
Department of Zoology coordinated an awareness programme on environment protection by planting trees in association with TKM Centenary Public School and Nanma Maram Global Foundation on 02 October 2021. TKM Trust Treasurer Jb. TK Jalaludin Musaliar delivered the presidential address. Kundara assembly **MLA Mr. P.C. Vishnunath** inaugurated the programme by planting a tree on the campus and handed over 153 tree saplings provided by Nanma Maram to TKM Centenary Public School.



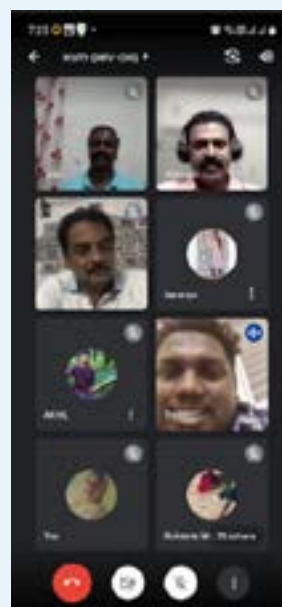
P.C. Vishnunath MLA during his inaugural address

Nanma Maram Kerala State Coordinator Mr. Jacob S. talked on the importance of green campus. Dr. Chitra Gopinath, College Principal, Mrs. Saboor Beegum, Principal of TKM Centenary Public School, Dr Jasin Rahman, HOD of Zoology and Lt. Liby KS, NCC Officer spoke at the meeting.

Wildlife Week Celebration - 06 October 2021



Department of Zoology and Birds Club International Unit of the college organized an online photo exhibition, 'Online Nature Walk' in association with the BCI units of St. Gregorios College, Kottarakara, Baby John Memorial Government College, Chavara and Mannam Memorial NSS College, Kottiyam. Mr. Jayaraj (Film Director & Founder, Birds Club International) inaugurated the programme. Photographer and Nature observer, Shri. Jithu Radhamony exhibited his photos.



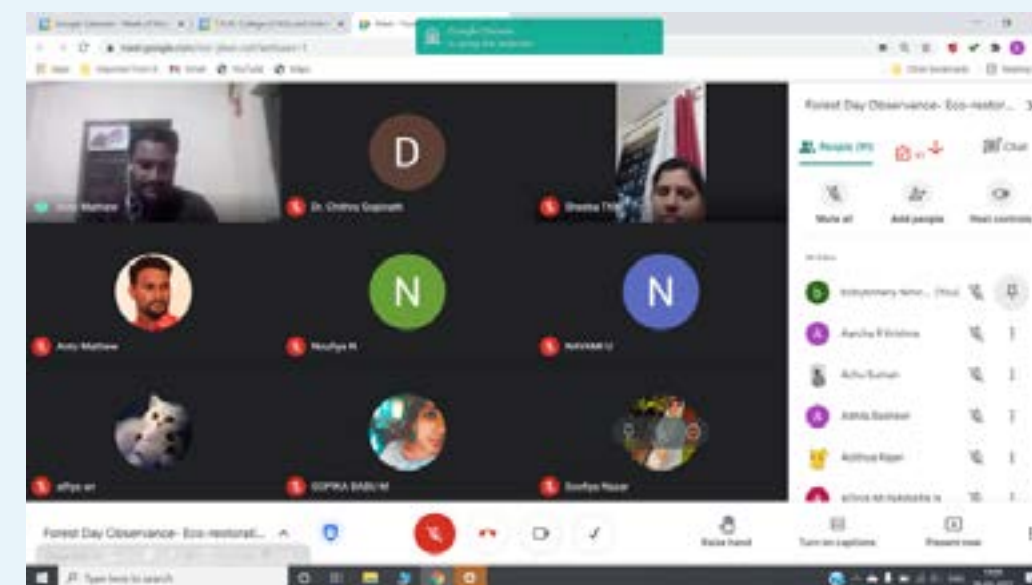
World Coconut Day Observance, September 2, 2020



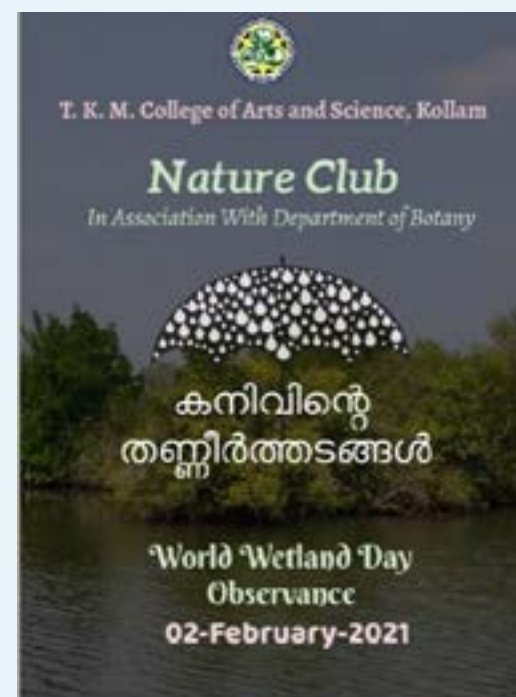
As part of the World Coconut day observance 2020, Nature club in association with department of Botany organized an online craft making programme. In this programme students sent the photos of their crafts which were made using various parts of coconuts. The objective of the programme was not only to galvanize their artistic talent but to encourage them to create

eco-friendly products. Students from various colleges across Kerala participated in this programme. Certificates of appreciation were given to all participants.

Forest Day Observance



Department of Botany in association with the nature club of our college conducted an online lecture on 20/03/2021 as part of its forest day observance. The talk was delivered by **Dr Anto Mathew, Assistant Professor of Bishop Moore College, Mavelikkara**. The speech was on the topic **Biodiversity Conservation and Ecosystem Restoration**. The program was inaugurated by Dr. Chithra Gopinath, Principal of TKM college of Arts and Science. Almost 100 students from the departments of Botany, Zoology and Nature club attended the programme.



Flying Over Pandemic: World Wetland Day Observance, 2 February 2021

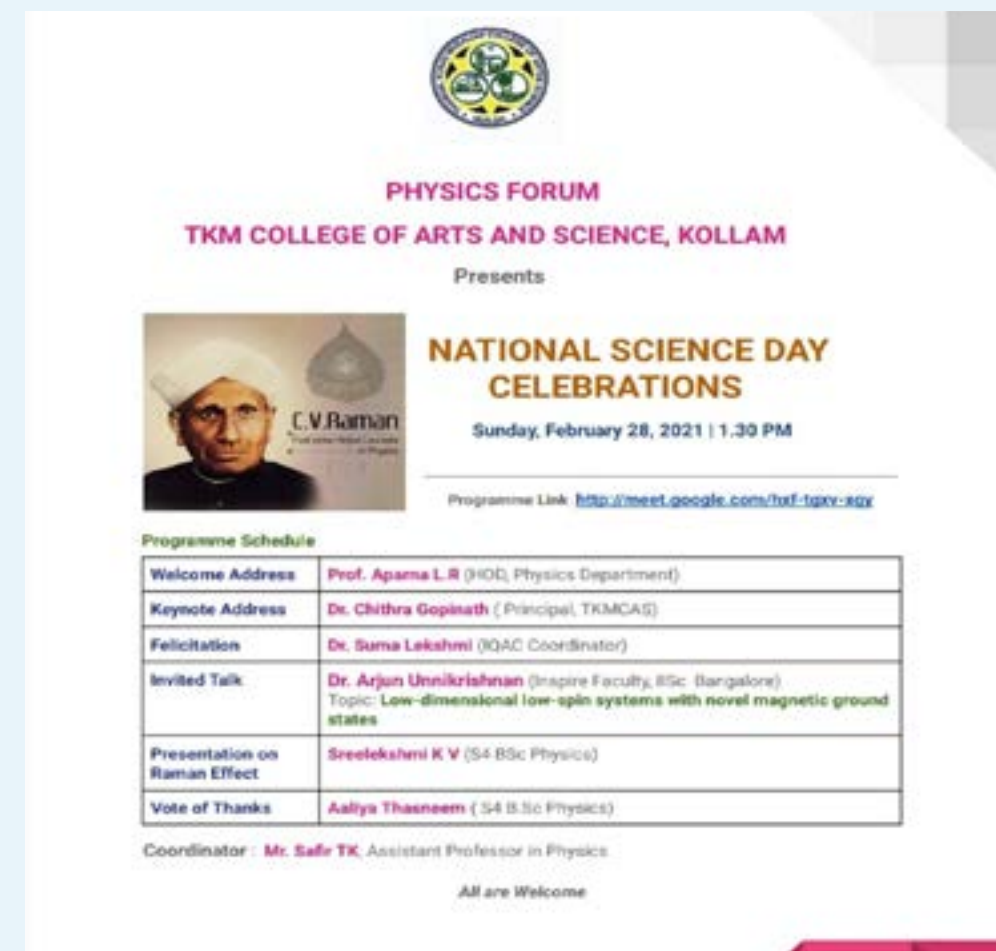
The online programme World Wetland Day Observance was jointly organized by nature club and department of Botany. An online magazine entitled Kanivinte Thanneerthadangal was prepared by students. The creative thinking of students and their passion towards nature were evident from their writings, drawings, poems, and photographs. The link to access the magazine is given below

<https://online.fliphtml5.com/dkavg/fmyn/>

International Webinar on Low Dimensional Low Spin Systems with Novel Magnetic Ground State



The Department of Physics and Physics Forum of the college organized, as part of science day celebration, an International webinar entitled **Low Dimensional Low Spin Systems with Novel Magnetic Ground State** on 28th February 2021 at 1.30 pm. The webinar started with a welcome speech rendered by Aparna L R, HOD department of Physics. Dr. Sumalekshmi S., IQAC Coordinator of the college inaugurated the webinar. **Dr. Arjun Unnikrishnan** gave a very informative and effective presentation on the topic of discussion.



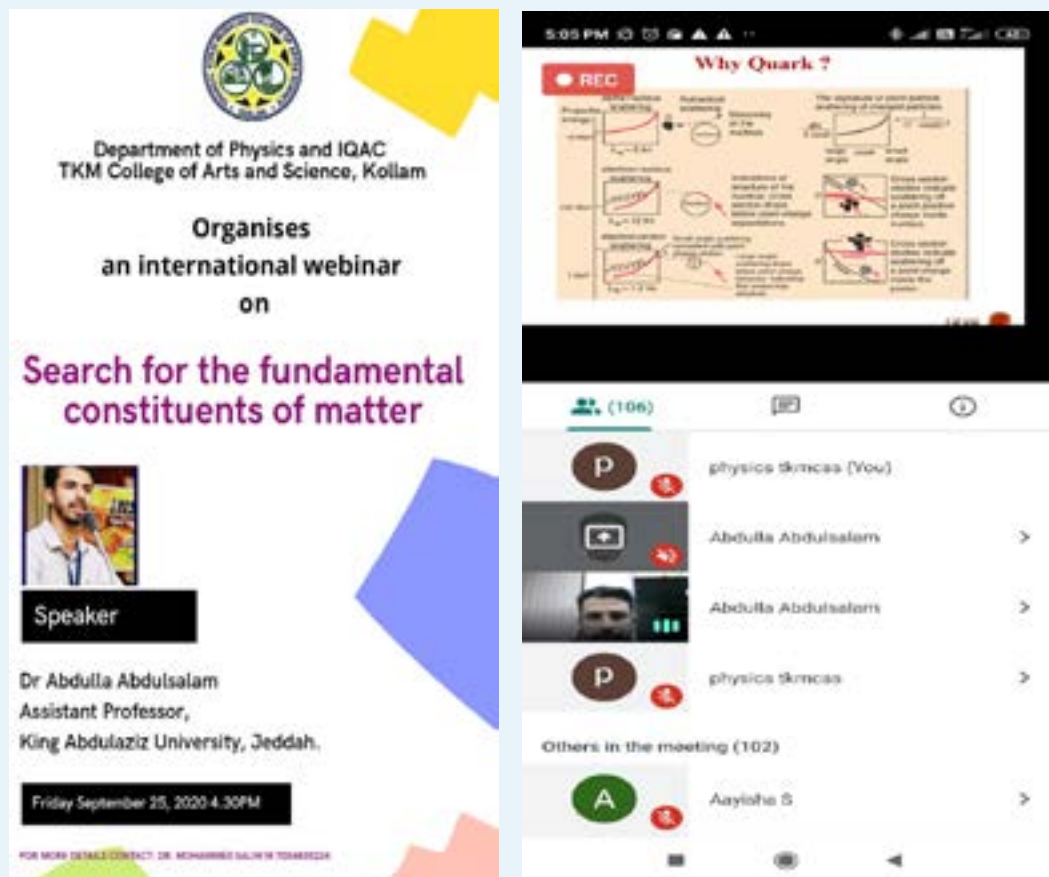
Dr. Arjun Unnikrishnan in the webinar

cluded the session. There were more than 65 participants in the webinar.

In his speech, he elaborately described on the basics of magnetism, different types of magnetic materials, methods of synthesis and characterization of magnetic materials. Safir T.K., Assistant Professor of Physics concluded the session.



International Webinar on Search for the Fundamental Constituents of Matter



The Department of Physics in association with IQAC, organized an International webinar entitled **Search for the Fundamental Constituents of Matter** on 25th September 2020 at 4.30 pm. The webinar started with the welcome speech rendered by Dr. Mohammed Salim, Coordinator of the program. Dr.Chithra Gopinath, Principal of the college inaugurated the webinar. The resource person **Dr. Abdulla Abdulsalam, Assistant Professor, King Abdul Azeez University Jeddah**, delivered the key note address. In his speech, he comprehensively dealt with the fundamental constituents of matter and different interactions. He started with the different atom model and explained the eight fold model, quark model, standard model, etc. Safir T.K., Assistant Professor, Department of Physics delivered vote of thanks. There were more than hundred participants in the webinar.



Teacher's Day Celebrations 2020



As part of world space week celebrations on 4-10 October 2020, Department of Physics and Physics Forum of the college jointly organized four intercollegiate competitions. They were **Virtual Space Quiz** and **Poster Making Competition**, Short Poem Writing Competition and You as a Teacher (make five-minute video class in any topic on Physics using chalk & board or pen& paper). Many students participated in the competitions. The list of winners is given below.

Virtual Space Quiz

1. First Prize
Nehala Sherin P, CKG Memorial Govt. College, Perambra

Salma Salim, S3 BSc Physics, TKM College of Arts and Science

2. Second prize
M.S. Alshyma, S5 BSc mathethematics, TKM College of Arts and Science

3. Third prize
Achumon Vikraman, S3 MSc Physics, SN College, Cherthala

2. Second prize
Devika Rani M., TKM College of Arts and Science

3. Third prize
Bhavya Sree, CKG Memorial Govt. College, Perambra

Poster Making Competition

1. First prize
Gopikrishnan, TKM College of Arts and Science

The winners were awarded e certificates and prizes.

Short Poem Writing Competition

1. First Prize

You as a Teacher

1. First prize
Aliya Thasnim, S3 BSc physics, TKM College of Arts and Science

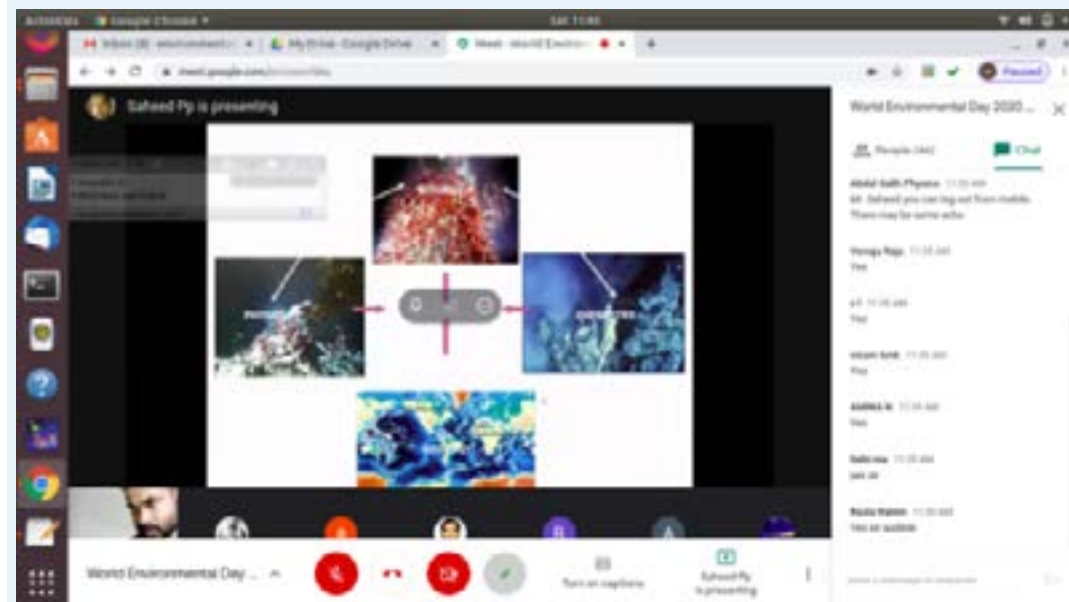
2. Second prize
Devi R Krishna, S3 Bsc Physics, TKM College of Arts and Science.



Webinar on Weather and Climate: The Changing World



This webinar held on 6th June 2020 was conducted as part of World Environment day observance under the title **Weather and Climate: The Changing World** in association with the Department of Physics. A total of seventy participants registered for the programme. Welcome speech was delivered by Dr. Mohammed Salim, Co-ordinator of Environmental



Dr.Saheed P.P. addressing the online gathering

club, T.K.M. College of Arts and Science, Kollam. Ms. Thezneem Shajahan, student representative of Environmental Club, introduced the resource person **Dr.Saheed P.P. Scientist, National Centre for Medium Range Weather Forecasting**, Noida, delivered the key note address in which he focused on the factors that contribute to climate change. E-Certificates were provided to all the participants who successfully attended the session and submitted the feedback form. Mr. Hareesh H., student representative of Environmental Club, proposed the vote of thanks and the programme concluded by 12.30 pm.



Webinar on Ozone Layer Depletion and its Preservation

As part of World Ozone Day Observance, the **Environmental Club** in association with the **Department of Biochemistry** organized a webinar under the title **Ozone Layer Depletion and Its Preservation** on 16 September 2020. A total of seventy five students registered for the programme. The webinar was conducted on Google Meet platform. The programme started at 2.30 pm. Welcome address was delivered by Ms. Soumya S., Co-ordinator of Environmental club. **Dr.Jaya D.S.**, Professor



and Dean The webinar was conducted on Google Meet platform. The programme started at 2.30 pm. Welcome address was delivered by Ms. Soumya S., Co-ordinator of Environmental club. **Dr.Jaya D.S.**, Professor and Dean, Department. of Applied Sciences and Technology, University of Kerala, was the Resource Person.

Dr.Jaya D.S. making presentation



In her conversation, she focused on the theme of world ozone day 2020 **Ozone for Life**. According to feedbacks, the session was very simple and informative. Sixty two students attended webinar. The

participants included faculty members and students of various PG and UG courses. E- Certificates were provided to all the participants who successfully attended the session and submitted the feedback form. Mr.Hareesh H., student representative of Environmental Club, proposed vote of thanks, and the programme concluded by 04 pm.



Haritha Campus Workshop

Haritha Campus, a Haritha Keralam Mission initiative was jointly organized by **Environmental club, NSS unit, Nature club and the Department of Botany** on 12.2.2021 at 10am at college auditorium. Welcome speech was delivered by Dr. Latha B., N.S.S. Programme officer. The programme was inaugurated by the Principal of the college Dr.Chithra Gopinath. **Kavya K.S. and Keerthana**, resource persons of Haritha Kerala Mission gave awareness class on organic farming, waste management, rainwater harvesting, maintenance of pen booth, use of biodegradable pads etc. Soumya S., Environmental club co-ordinator, gave felicitation. Dr. Siyad M.A., N.S.S. Programme officer, proposed vote of thanks, and the programme concluded by 12 pm. After the workshop, students were directed to collect waste from in and around the campus and separate them as biodegradable and non biodegradable squander to dispose them properly.



Dr. Chithra Gopinath during her inaugural address



Resource persons addressing the audience



Organic Farming

In connection with **Haritha Campus Programme, Environmental club** in association with **N.S.S unit** of the college initiated organic farming on 12 March 2021. Preparation of land for farming was done prior to one month of farming. Dr.Chithra Gopinath, Principal of the college, inaugurated the event by planting the sapling. Soumya S., Co-ordinator of Environmental club and student representatives, sowed seeds on



Harvesting the hardwork of organic farming

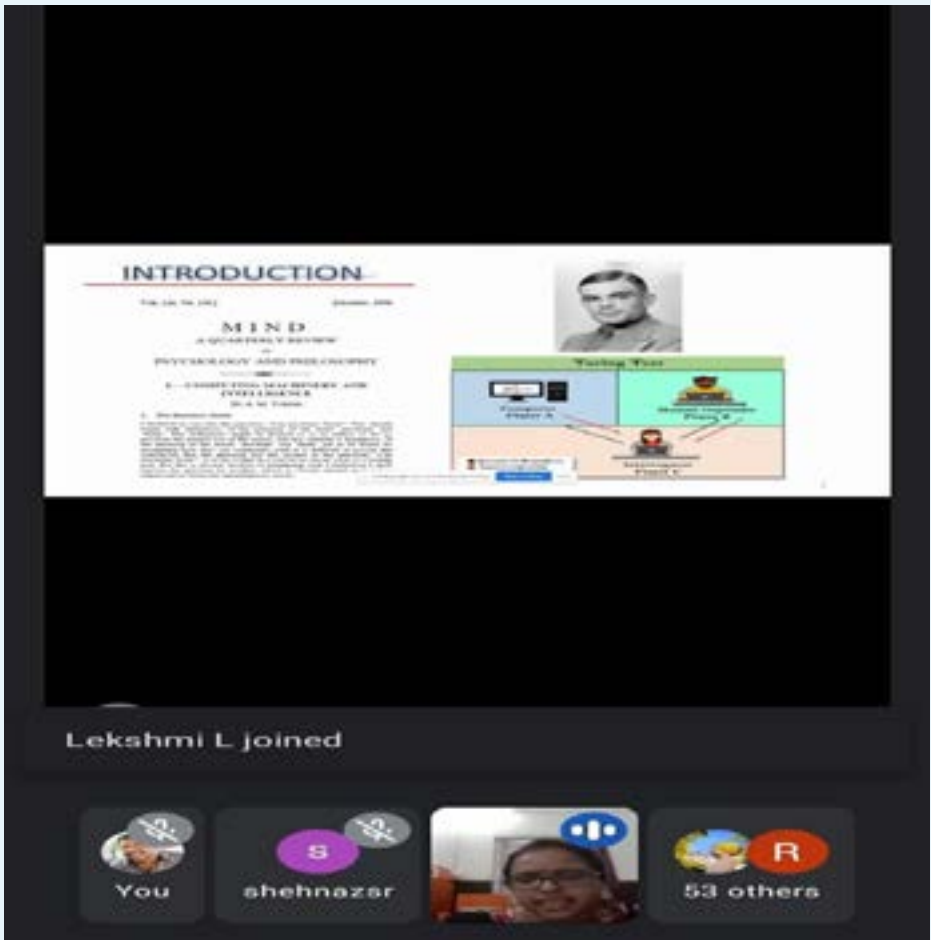


the prepared land. Students arranged grow bags and sowed vegetable seeds like spinach, brinjal, lady's finger, pea, chilli etc. Flower pots were also used for planting. Growth and maintenance of the vegetable saplings were regularly monitored by the club co-ordinator with the help of Kottamkara Gramapanchayath members and Mr.Sunil, Agricultural Assistant of Haritha campus project.





Webinar on Artificial Intelligence



Dr.Aiswarya R. during her presentation

Innovation and Entrepreneurial Development Centre of the college organised a webinar on **Artificial Intelligence and its Significant Contributions** via Google meet on 29 March 2020. **Dr. Aishwarya R.**, Guest Faculty, Department of Physics of the college was the Resource Person. The programme was inaugurated by Dr. Chithra Gopinath, Principal of the college. TKM college of Arts and Science. The webinar has created a better understanding on the diverse applications of artificial intelligence among students, faculty members and research scholars. It helped raise awareness about the enormous potential of artificial intelligence for fundamentally transforming our future, and threw light on how machine learning is changing the fabric of our society.



Hands on Training Program on LED Bulb Recycling



Ashique in the training session

Innovation and Entrepreneurship Development Centre (IEDC), Science Club, Department of Physics and IQAC jointly organized a hands on training program on Recycling of LED Bulbs on 18.09.2020. The training was inaugurated by the College Principal Dr. Chithra Gopinath. In her inaugural address, Principal has emphasized the importance of e-waste management in a sustainable development model. Dr. Shehnaz S.R., IEDC Nodal officer; Dr P.K Manoj, Science club Coordinator and Smt. Aparna L.R. HOD, Department of Physics were present in the session. The Resource person Mr. Ashique, a young entrepreneur led the session and briefed about the methods of e-waste management and different methods which can be adopted for the recycling of damaged LED bulbs. A total of 32 students attended the training program.



Webinar on Crypto Currency and Block Chain

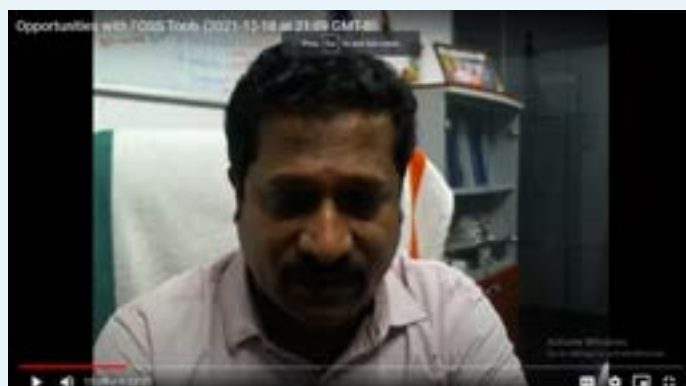
A webinar was organized on 7 October 2021 by the **Innovation and Entrepreneurial Development Centre**, in association with the Department of Commerce on the emerging revolutionary aspects of crypto currency and Block chain. **Dr. Anish Mohammed, Cofounder and CTO, Panther Protocol**, was the resource person.



Dr. Anish Mohammed delivering key note address

The Program was inaugurated by the Principal Dr. Chithra Gopinath. The session was very effective in bringing into attention the purpose and importance of block chain and the applications of crypto currency. Students who were not much aware of these concepts found it extremely useful. IEDC Nodal Officer Dr. Shehnaz S.R. also addressed the gathering

Opportunities with FOSS Tools



Dr. Rajeev R.R. addressing the virtual meet

Innovation and Entrepreneurship Development Centre (IEDC) of the college organized a webinar on **Opportunities with FOSS Tools** on 19.12.2021. The welcome address was given by Dr. Shehnaz S. R., IEDC Nodal officer, TKM Col

lege of Arts and Science. The webinar was inaugurated by the College Principal Dr. Chithra Gopinath. **Dr. Rajeev R R, Program Head, International Centre for Free and Open Source Software (ICFOSS)** was the resource person. The webinar touched upon the diverse potential of free and open source software in entrepreneurial activities among the students of TKM College of Arts and Science. It also helped enhance awareness about the enormous opportunities provided by free and open source software to fundamentally transform our future.



Webinar on Sustainable Entrepreneurship

Innovation and Entrepreneurship Development Centre (IEDC) and Women's Studies Unit, TKM College of Arts and Science jointly organized a webinar on Sustainable Entrepreneurship on 23.12.2021 at 5:00pm. The welcome address was delivered by Ruksana Sulthana A. H., Convenor of Women's Studies Unit. The webinar was inaugurated by the College Principal Dr. Chithra Gopinath. The resource person of the program was **Dr. Chandra Vadhana, Serial Entrepreneur, Founder and Director, Prayaana Labs**. She has shared her valuable insights and views by giving emphasis on the attributes and skills which an entrepreneur needs to be acquired for starting a new venture and tackle the mishaps. There was



Dr. Chandra Vadhana in her presentation

a student interactive session at the end of the program. The session concluded with vote of thanks delivered by Dr. Shehnaz S. R., IEDC Nodal officer of the college.

Tax Frauds in GST



Department of Commerce conducted a webinar on 18th July 2020 on the topic **Tax Frauds in GST**. **Mr. Renn Abraham IRS, Deputy Director at Directorate General of GST Intelligence** was the resource person. The webinar was mainly aimed at students of final year B.Com who were pursuing certificate course in GST (Course offered by the Department). Ninety eight students attended the webinar. It helped the stakeholders understand various career opportunities in the concerned field.

The programme was presided by Ruksana Sulthana A. H., Head of the Commerce Department. Programme Coordinator, Dr. Sulfiya Samad placed welcome speech. Other faculties of the department Dr. Shehnaz S.R., Thanseena Bai R., Firoskhan A., Maheen M. and Jeena R. attended the webinar.



Student Support Programme- Soft Skill

An orientation session titled **Here and Hereafter: Mould Yourself**, designed as a personality development programme for the first year students of 2020-23 batch was conducted on 27th May 2020. **Dr. Divya Iyer IAS**, the Mission Director of MGNREGA, Kerala, led the session. The objective was to reduce the stress of students so as to enable them to face the challenges caused by Covid-19 pandemic. Ninety eight students attended the session via Google meet.



Student Support Webinar Series



Department of Commerce conducted a student support webinar series during the month of June 2020. E Najeem, Principal of the college, inaugurated the session and Dr. Sumalekshmi S., IQAC Coordinator, Ruksana Sulthana A. H., HOD, Department of Commerce, Shiny Salam, Coordinator of the programme addressed the virtual meet.



The webinar series consists of three curriculum oriented webinars. The first session was handled by Sri. Riyas Y (Research scholar -UGC SRF) on the topic Excellence in Doing M.Com. Projects on 12-06-2020. The second webinar of the series held on 15-06-2020 on the topic Career Opportunities for Commerce Graduates in Post Pandemic Period. Maheen M., Assistant Professor, Department of Commerce, was the resource person.



The third session, titled GST at a Glance, was conducted on 18 June 2020. The resource person, Firoskhan A., Assistant Professor, Department of Commerce, TKM College, in his talk, discussed on the nuances of Income Tax ,GST etc.

As the student community all over India was facing much difficulty in knowledge reception due to pandemic situation, the webinar was organized nationally, and was attended by students from outside Kerala as well.

Webinar on Importance of Environmental Consciousness and Susceptibility in Accreditation of Higher Educational Institutions

Department of Biochemistry in association with Internal Quality Assurance Cell (IQAC), organized a one-day national online seminar on **Importance of Environmental Consciousness and Susceptibility in Accreditation of Higher Educational Institutions**



on 29 May 2020. The idea behind such a venture was to equip the teachers in enhancing our intimacy and knowledge on the environment around us and its preservation in the post pandemic context of virtual classrooms. **Prof. Priya Josson Akkara**, Professor of Biochemistry, Department of Life Sciences, Kristu Jayanti College, Bengaluru was the resource person. She explicated in detail the necessity of environmental consciousness, vermi composting, green audit, and the requisite of ramp on campuses. Principal of the college, E.Najeem inaugurated the webinar. Dr. Latha B., HOD, Biochemistry also spoke on the occasion.

Career Guidance Programmes

Seminar on Training and Career Placement



Inaugural ceremony of the event

Training and Placement Cell of the college, in association with TKM International Centre for Training and Placement (TKMICTP) and Kerala Institute of Tourism and Travel Studies (KITTS), conducted a seminar on Logistics and Airport Operations. The event was held on 5 March 2021. Dr. Chithra Gopinath, Principal of the college, inaugurated the programme, and Prof. Hashimudeen A., former Principal of the college spoke on the importance of the session.

Two technical sessions were held, one for B. Com & B A students and the second session for B. Sc students. The technical sessions were handled by Mr. Balakrishnan, Senior Faculty, KITTS, Mr. M. M. Varghese, Academic Head, KITTS, and Mr. Binu Raj, Director, Xtream Multimedia. The resource persons explained the career prospects and opportunities to the degree students in the area of Logistics and Airport Operations. The various sessions were coordinated by Nizamudeen Ashique P.K. and JeenaR., Placement Cell Coordinators of the college. Dr. Anzil P. N., IQAC Member of the college delivered vote of thanks.

Biobeats



Girija Shivaram addressing the students

Department of Biochemistry organized a career guidance programme entitled Biobeats on 11.03.2021 for B.Sc Biochemistry students. Smt. Girija Shivaram, HSST, Shivaram Higher Secondary School, Karicodu, handled the session. She elaborately listed and explained the important courses that students can pursue after graduation.

Career Guidance in Chemistry



Participants and faculties with Dr. Manohar Mullaseri

As part of National Science Day Observance 2021, a career orientation programme for Chemistry students was conducted on 29th March 2021. Dr. Manohar Mullaseri, Associate Professor, Department of Chemistry, Fathima College, Kollam, was the resource person. In the ensuing talk, he detailed the opportunities of Chemistry in India and abroad.



G.S.T and Career Opportunities

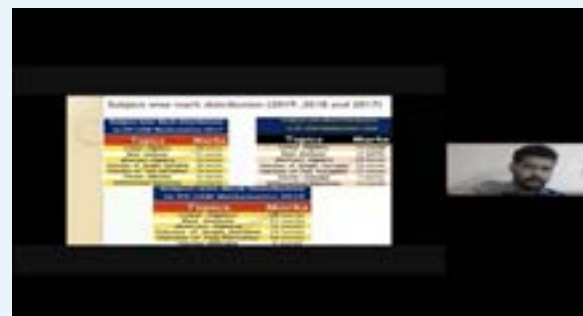


Shibu Gopi during his talk

Department of Commerce conducted a career guidance programme titled G.S.T and Career Opportunities. Sri. Shibu Gopi C.M.A. was the resource person. The programme, held on 2 February 2021 was meant for students of Under Graduate and Post Graduate programmes in Commerce.

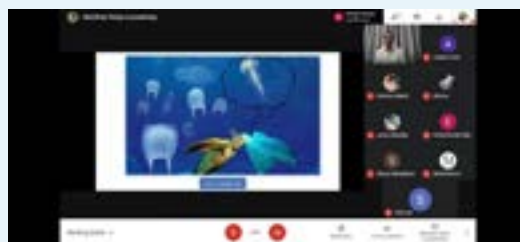
How to Crack JAM

Department of Mathematics organized a career guidance program named How to crack JAM on 24 August 2020. Basil Paul, Guest Lecturer, Maharajas College, Ernakulam, was the resource person. He pointed out several systematic methods that should be adopted to unlock the doors of JAM examinations.



Basil Paul making presentation

Career Opportunities in Marine Science



The Department of Zoology in association with the Environmental Club of the college organized an online talk on career opportunities in marine science. The programme was held on 12 June 2021. Dr. Jean Jose J., Assistant Professor, Department of Zoology, St. Gregorios College, Kottarakara, inaugurated the programme and gave an awareness talk on Coastal Research: Multidisciplinary Approach. He also demystified the job and research opportunities in marine research across India and abroad. The virtual seminar was attended by students, researchers and faculties from host institute and other colleges.



Career after Botany



Dr.S.Sekharan in the virtual meet

Department of Botany for giving awareness to students regarding future opportunities of Botany graduates, organized an online lecture on the topic **Career after Botany**. The awareness programme was handled by Dr S. Sekaran, Associate Professor of Botany, S.N. College for Women, Kollam and Senate Member, University of Kerala. His talk covered the future study opportunities and job opportunities with regard to Botany graduates. The speech was followed by interaction that lasted for more than one hour. The talk was an eye opener to the students, and sixty students from the department of Botany attended the programme.

Career in Ocean Physics

The department of physics organised a career awareness talk titled Career in Ocean Physics on 18 June 2021 via google meet platform. The guest speaker was Dr. Mohammed Salim P, Senior Ocean Modeler, University of Plymouth, UK. Principal of the college Dr.Chithra Gopinath inaugurated the event. The resource person explained the different methods that are used to study the ocean with equations and computer models. He emphasized how the understanding of physical oceanography plays a key the role in explaining global climate and climate changes.



Career Orientation in Media



Screenshot of the virtual meet

The Career Orientation programme of the Department of English for the academic year 2020-21 was organised as an online event on the background of the pandemic. The programme was held on 8 March 2021 from 3.00 pm to 5.00 pm on Google Meet platform. The session was lead by Sheethal J. Raj, a prominent figure in the visual media, and the current Senior Broadcast Journalist of the Asianet News Communications Ltd in Kerala. The online session was inaugurated by Dr. Chithra Gopinath, the Principal of the college, and presided over by Sherin Aslam, the Head of the Department of English. The event was attended by 65 students of the final year UG and PG batches, as well as the faculty members of the Department of English.

Journalism and Digital Media

An online lecture on “Journalism and Digital Media: Changing Trends and Opportunities” was organized by the Media Club on 17th April 2021. Ms. Sharanya Hrishikesh, News Editor at Brut India was the resource person and the online platform chosen for the event was Google Meet. The event commenced at 11 AM and the resource person and participants were welcomed by Ms. Shafana Shaffi, Convenor of the Media Club and Assistant Professor, Department of English. Dr. Chithra Gopinath, Principal, TKM College of Arts and Science, delivered the Inaugural address and spoke in brief about the challenging role that media plays in the



Dr. Chithra Gopinath, Principal, TKM College of Arts and Science, delivered the Inaugural address and spoke in brief about the challenging role that media plays in the present scenario. The talk was attended by 65 participants that included Media Club members of the college, students from UG and PG batches of the Department of English, faculty members of the college and participants from other colleges and universities.



Screenshot of the webinar

The lecture had as its target audience the Media Club members and students from the Department of English who has an interest in and an inclination to pursue a career in journalism. It is to provide these students an insight into the finer aspects of journalism, especially digital media, that this event was mainly organized. Sharanya Hrishikesh talked about her vast experience in journalism and talked about her stint at Reuters and Huffington Post and as to how digital media has transformed over the past decade or so as editorial decisions regarding newsworthiness. The students responded enthusiastically to the lecture and the general feedback was that more such resource persons should be brought for interaction.



DEPARTMENT OF ZOOLOGY

HISTORY OF THE DEPARTMENT

Ever since its establishment in 1981, the department of Zoology has been striving for excellence in academic and research activities in diverse areas of Zoology. Various sorts of instruction for theory and laboratory classes have been implemented for reaching up to each and every student. Besides providing offline and online classes, department prepares ready-to-refer audio and video classes and question banks. The major activities and achievements of the department during the 2020-21 are given below.

FACULTY PROFILE

Dr.Jasin Rahman. V.K, Assistant Professor and Head
Rohini Krishna. M.V, Assistant Professor
Aseeb. A.K, Assistant Professor (Resigned on 12.10.2020 to join Govt. College)

Dr.Mumthas Yahiya, Guest Lecturer

POSITION HELD BY FACULTY

Dr.Jasin Rahman. V.K
Faculty advisor of B.Sc 2018-21 batch
Member of Staff and Academic Council of the college
Department coordinator of IQAC and NAAC
Rohini Krishna. M.V
Faculty advisor of B.Sc 2019-22 batch
Faculty in charge of Department library
Department coordinator of certificate course
Department coordinator of virtual lab

WORKSHOPS/SEMINARS/PROGRAMMES ATTENDED

1.Rohini Krishna. M.V attended online induction programme by UGC HRDC-Kerala University from 02.11.2020 to 01.12.2020



PROGRAMMES CONDUCTED

Sl. No	Title of the programme	Date	Event/day observed	Theme	Resource person
1	Creating green refuge for the conservation of biodiversity in the residential areas	05.06.2020	UN World Environment Day	Celebrate Biodiversity	Nil
2	Online UG level poster competition	08.06.2020	UN World Oceans Day	Innovation for a sustainable Ocean	Nil
3	Online quiz competition	29.07.2020	International Tiger Day	Their Survival is in our Hands	Nil
4	Webinar on Many species, one planet and common future	05.10.2020	World Animal Day (04 October) and Wildlife Week Celebration (02-08 October)	Man and Dog (World Animal Day) Roar (Roar and Revive) – Exploring Human-Animal Relationships (Wildlife Week Celebration)	Mr. Renjan Mathew Varghese , State Director of WWF-India
5	Webinar on 'Biodiversity conservation and Challenges'	03.03.2021	World Wildlife Day	Forests and Livelihoods: Sustaining People and Plane	Dr.Sreehari Raman , Asst. Professor, Dept. of Wildlife Science, College of Forestry, Thrissur (Kerala Agricultural University) I Sidhee IFS , Conservator of Forests, Social Forestry,



					Southern Region, Kollam S. Dinesh , ACE, Social Forestry Extension Unit, Kollam
6	Earn While You Learn: One day training and workshop on earning from pets	19.03.2021	UN International Day of Happiness (20 march)	Keep Calm, Stay Wise, Be Kind	Dr. D. Shine Kumar , Assistant Director, Livestock Management Training Centre, Kottiyam Mrs. Shahida Kamal , Member, Kerala Women's commission Ms. U. Pavithra , Health and Education standing committee chairperson, Kollam corporation
7	One day hands on training in RAS (Recirculatory Aquaculture System) and vegetable cultivation	26.03.2021	-	-	Dr Troy (Fisheries and Department officer, Kochi) with Dr. D. Shine Kumar (Asst. Director, LMTC, Kottiyam, Kollam)



8	Workshop on career orientation	30.05.2021	-	-	yam, Kollam) Mr. Muhasin K. , Director, e-Bio, Chennai
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RESEARCH PAPERS PUBLISHED

Dr. Jasin Rahman. V. K

1. **Rahman, V.J.**, Babu, A. 2021. Herbivore-Induced Plant Volatiles from Red Spider Mite, *Oligonychus coffeae* Infested Tea Plants as Attractant Cues for the Predatory Mite, *Neoseiulus longispinosus*. In: S. Anas (Ed) Proceedings of International Conference on Energy and Environment, 2019. Materials Today: Proceedings 41(3): 613-617
2. **Nishad, R.**, Ahmed, T., Rahman, V.J. and Kareem, A. 2020. Modulation of Plant Defense System in Response to Microbial Interactions. Frontiers in Microbiology 11:1298. doi: 10.3389/fmicb.2020.01298



POST GRADUATE AND RESEARCH DEPARTMENT OF ENGLISH

About the Department

Started right from the inception of the college, the Department of English became a PG department in 1999. The department has grown to include 9 well-qualified members, one Associate Professor and 8 Assistant Professors. Three of the faculties are doctorate degree holders. The areas of expertise of the faculty range from comparative literature to modern literary trends and the media. The varied interests and talents of the staff put them in the lead when it comes to co-curricular activities also. The department is an approved research centre under the University of Kerala.

Faculty Profile

Sherin Aslam
Position held:

Assistant Professor
and HOD

Gayatry S.
Position held:

Assistant Professor
Certificate Course Co-ordinator

Lt. Liby K.S.
Positions held:

Assistant Professor
ANO, Nine Kerala Battalion NCC Girls



Dr. Sumithra Devi S.
Position held:

Assistant Professor
Convenor, Debate Club

Niyas S.M.
Positions held:

Assistant Professor
Convenor, Annual Report Committee
Faculty Advisor, B.A. English (2019 batch)
Faculty in charge of college calendar
Admission coordinator
Staff Editor, college magazine
Convenor, Literary Club

Shafana Shaffi
Positions held:

Assistant Professor
Convenor, Media Club
Faculty in charge of Language Lab
Faculty Advisor, MA English (2019-2021 Batch)

Anil Jose
Position held:

Assistant Professor (Guest Faculty)

Dr. Sulfia S. Santhosh
Positions held:

Assistant Professor
Member, IQAC
Faculty advisor (S6 B.A.)

Muhammed Roshan B.
Positions held:

Assistant Professor
Faculty advisor, S1.B.A. English
Departmental Coordinator, NAAC

Aayisha Humayoon Kabeer
Position held:

Assistant Professor
(Guest Faculty)

Gayathri N.R.
Position held:

Assistant Professor
(Guest Faculty)

Deepa Ramachandran
Position held:

Assistant Professor
(Guest Faculty)

Mousoomi Aslam A.
Position held:

Assistant Professor (Guest Faculty)

**Faculty Achievements**

Dr. Sumithra Devi S.

Participated in Short Term Course on Research Methodology conducted by UGC-HRDC, Kerala University, from 19-2-2020 to 25-2-2020

Published poetry anthology titled Between Silence and Voice(Publisher: Zorba Books ISBN 978-93-90011-08-7)

Niyas S.M.

Sl.No	Event (Seminar/ Workshop/ Conference, Symposia)	Level (State/ National/International)	Programme Title	Organizer	Date	Role (Participation/ Resource person)	Hyperlink to the document
1	Webinar	National	Reinventing Quality Assurance: A Post pandemic Guide to Teachers	TKM College of Arts and Science	19, 20. May 2020	Participant	
2	Webinar	State	Weather and Climate:The Changing World	TKM College of Arts and Science	June 6, 2020	Participant	



3	Webinar	National	A Step Beyond Post colonialism	St. Stephen's College, Pathanapuram	17. July 2020	Participant	
4	Webinar	National	Literary Currents of Today and Tomorrow	St. Aloysius College, Edathua	21. July 2020	Participant	
5	Webinar	State	Importance of Environmental Consciousness and Sustainability in Accreditation of Higher Educational Institutions	TKM College of Arts and Science	29. May 2020	Participant	
6	Webinar	State	Impact of Covid on Higher Education	St. Mary's College, Manarcad	31 May 2020	Participant	
7	Webinar	International	Language of Photography	MES College, Pon-nani&K-SHEC	25 July 2020	Participant	
8	Webinar	State	Discourse on Post Theory	MES College, Marampally	10 June 2020	Participant	
9	Webinar	State FDP	Examination Reforms: Towards Online Assessment	TKM College of Arts and Science	7 July 2020	Participant	

**Shafana Shaffi**

Published article titled “Travel and Writing in the Period of 'High Imperialism': Hajj Pilgrimage Narratives by the Begums of Bhopal” on Rupkatha Journal on Interdisciplinary Studies in Humanities

Published article titled “Re-defining Religion and Self Through Travel and Narrative: A Study of Post 9/11 Narratives on Hajj Pilgrimage Indian Travel Narratives: New Perspectives” on Pencraft International, New Delhi

Edited Volume (Prescribed textbook for S4 UG BA/BSc/BCom) titled Global Voices and Cultures

Dr.Sulfia S. Santhosh

ONE-DAY WEBINAR	NATIONAL	BETWEEN 'ONCE UPON A TIME' AND 'HAPPILY EVER AFTER': GENDER IN FAIRY TALES	MARTHOMA COLLEGE FOR WOMEN, PERUMBAVOOR DEPARTMENT OF ENGLISH AND IQAC	16-11-2020	PARTICIPANT
THREE-DAY ONLINE WORKSHOP	INTERNATIONAL	SELLING STORIES - THE AESTHETICS, BUSINESS AND CRAFT OF TELLING STORIES	GOVERNMENT COLLEGE, DAMAN DEPARTMENT OF ENGLISH AND IQAC	12-08-2020	RESOURCE PERSON
THREE-DAY WEB CONFERENCE	NATIONAL	ENGLISH STUDIES IN INDIA - CHALLENGES, POLICIES AND POSSIBILITIES	HM PATEL ENGLISH STUDIES CENTRE, CVM UNIVERSITY, VALLABH VIDYA NAGAR, GUJARAT AND	19-21, 2020	PAPER PRESENTER



			the GLOBAL ASSOCIATION OF ENGLISH STUDIES		
ONE-WEEK E-WORKSHOP	INTERNATIONAL	LANGUAGE TRANSLATION SKILLS	NATIONAL TRANSLATION MISSION AND HIGHER EDUCATION DEPARTMENT, JAMMU AND KASHMIR	08-08-2020 TO 12-08-2020	PARTICIPANT
WEBINAR	NATIONAL	CULTURAL DIALOGUE IN SOUTH ASIA AND BEYOND: NARRATIVES, IMAGES AND COMMUNITY	JESUS AND MARY COLLEGE, UNIVERSITY OF DELHI	30-06-2020	PARTICIPANT
ONE-DAY WEBINAR	NATIONAL	CONTEMPORARY FEMINISM: POLITICS AND PRIORITIES	HHMSPBNSS COLLEGE FOR WOMEN, NEERAMAN-KARA, THIRUVANANTHAPURAM, KERALA	22-07-2020	PARTICIPANT
TWO-DAY ONLINE SEMINAR	NATIONAL	RE-INVENTING QUALITY ASSURANCE: A POST PANDEMIC GUIDE FOR TEACHERS	TKM COLLEGE OF ARTS AND SCIENCE, KOLLAM	19TH AND 20TH MAY 2020	PARTICIPANT



POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

About the Department

Year of establishment: **1978**

• Faculty profile

Name	Designation	Specialization
Dr. S. Anas	Asst. Professor & Head of the Dept.	Materials Chemistry, Physical Chemistry
Dr.Sum-alekshmy S.	Asst. Professor & Head of the Dept.	Organic Chemistry, Photo-chemistry
Dr.Siyad M. A.	Asst. Professor & Head of the Dept.	Polymer chemistry, Organic chemistry
Dr.Chithra-Gopinath	Asst. Professor & Head of the Dept.	Organic Chemistry
Mrs. Sherifa Rahim	Asst. Professor & Head of the Dept.	Organic Chemistry, Photo-chemistry
Dr. Abdul Rahim	Asst. Professor & Head of the Dept.	Organic Chemistry, Photo-chemistry
Dr.Tharun A. Rauf	Asst. Professor & Head of the Dept.	Functional Polymers & Physical Chemistry
Dr.Simimole H.	Asst. Professor & Head of the Dept.	Organic Chemistry
Mrs. Ajmala R	Assistant Professor (On Contract)	Organic Chemistry

Achievements by teachers and students (Rank, PhD, Sports, Arts etc. including participation in University level Youth Festival)

Achievements by Students (2020-2021)

- 1.Muhammed Ijas M of B.Sc. 2018-21 Batch Qualified the GATE 2021 and JAM 2021 Exams and got admission at IIT Madras for M.Sc.
- 2.Nanditha of M.Sc. 2018-20 Batch got First Rank in M.Sc. Chemistry.
- 3.Lekshmi Mohan of M.Sc. 2018-20 Batch got placement in Gulf Bio Analytical Pvt. Ltd.
- 4.Suhana of 2018-21 Batch got placement in Baijus App Pvt. Ltd. and Femina got placed in TCS.
- 5.Omar ZakriaHisham of M.Sc. 2019-21 batch got the First place in Stringed Instruments-Guitar in the Kerala University Youth Festival.
- 6.Omar ZakriaHisham of M.Sc. 2019-21 batch has been selected for a 3 months Internship in JNTGBRI with Dr. K. B. Rameshkumar.
- 7.Research poster presented by Omar ZakriaHisham of M.Sc. 2019-21 batch got the Best Poster

Award under Life Science at the 33rd Kerala State Congress held on 25-30 January, 2021.

Achievements of Faculty Members

Dr. S. Anas

- 1.Head, Dept. of Chemistry
- 2.DST-FIST and Research Extension Coordinator
- 3.Faculty Advisor- M.Sc. 2019-21 Batch
- 4.Research Committee Convener
- 5.RUSA- Teacher Representative
- 6.Guest Editor of Materials Today Proceedings: Elsevier- 2021
- 7.Guest Editor of AIP Conference Proceedings-2020
- 8.Reviewer of the International Research Journals: RSC Advances (2021), Journal of Physics and Chemistry of Solids (2021 & 2020), Optik (2021 & 2020), Environmental Science and Pollution Research (2021).
- 9.Participated in the National Science Day Lecture 2021 at TKM College of Arts and Science, Kollam on 28th February, 2021.
- 10.Attended the RSC Desktop seminar series- Materials Horizons and Nanoscale Horizons on December 3, 2020.Appli



11. Participated in the FDP on Outcome Based Education and Blooms Taxonomy by T. K. M. College of Arts and Science, Kollam on 7 & 8 October 2020.
12. Participated in the FDP on Instrumental Methods of Analysis by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi & Bishop Moore College, Mavelikara from 7th to 13th October 2020.
13. Participated in the National webinar on Frontiers in Chemistry: From Fundamentals to 13. Applications, conducted by Presidency University, Kolkata 25, 26 and 28 September 2020.
14. Participated in the FDP on Research Ethics and Characterisation Techniques in Materials Science, by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi & Bishop Moore College, Mavelikara from 09 to 15 September 2020.

Paper presentation in conferences

- J. Amala, M.J. Reshma, M. I. Irfana, R. V. Mangalaraja, S. Anas*, Tartaric Acid Mediated Microwave Assisted Synthesis

Of S, N And C Doped Zno And Their Exceptional Photocatalytic Performance Under Solar Light Illuminations, "World Nano Congress on Advanced Science and Technology" (WNCST-2021) organised by the Centre for Nanotechnology Research (CNR) at Vellore Institute of Technology, Vellore, India, on March 8-13, 2021 (Poster presentation).

- Reshma M. J, Gopakumar G, Amala J, Dhanasree P. R, P. Shajesh, S. Anas, Facile Bio-mimetic Conversion of Zinc Oxide Nanoparticle Derived Hydrophobic Surfaces to Methyltrimethoxysilane (MTMS) Based Polymer Modified Superhydrophobic Surfaces, National conference on Recent Trends in material Science and Technology jointly organized by IIST and the Society for polymer Science, India Trivandrum Chapters. NCMST-2020 from 7 – 9 December, 2020. (Oral presentation).



Publications

1.S. Anas*, M.J. Reshma, P.R. Dhanasree, N. Fathima, E. Soumya, "Recent advances on regiocentric homo-epitaxial approaches in bio-mimetically derived artificial non-wettable surfaces", Materials Today: Proceedings, Elsevier, 41 (2021) 717-722.

RekhachandranPrasanna Ramachandran, ArchanaValliyamma, NithaNellithanathu Thomas, MangalarajaRamalingaViswanathan, BobbyTheophilofe Edwin, AnasShereef*, "Light Mediated, Switchable, Antibacterial Activity of Cerium Dioxide Nanoparticles on Gram Positive and Gram Negative Bacteria", AIP Conference Proceedings, 2287 (2020) 020009-1-8.

Dr.Sumalekshmy S.

1. IQAC Coordinator and RUSA BoG member
2. DST-FIST Committee member
3. Research Committee Member
4. IT Cell Member
5. Website Committee Member
6. Completed two courses: Re

agents in Organic Synthesis and Pericyclic Reactions and Organic Photochemistry through NPTEL swayam platform

7. Participated in faculty development programmes on Advanced Pedagogical Techniques by Teaching Learning Centre, Ramanujan College University of Delhi and Capacity building in drafting proposals for funded research by Guru Angad Dev TLC and St. Teresa's College Ernakulam.

8. Participated in Short term Faculty Development Programme on "ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies" organized by SNC Kollam in collaboration with KSHEC

9. Guided two students for their M. Sc. projects Chemically Modified Bio-adsorbent for the Removal of Organic Toxic Pollutants, Swathy S. Pillai and Synthesis and Photo physical Properties of a Thiophene based Donor Acceptor System, Aneesha S.

**Dr. M. A. Siyad**

National Service Scheme (NSS)
Programme Officer

2. Faculty Advisor B.Sc. (2020-'23) and M.Sc. (2018-'20)

3. Guest Editor of AIP Conference Proceedings-2020

4. Attended the online Refresher course in Material Science from 15.10.2020 to 28.10.2020 conducted by UGC-HRDC, Kerala University.

5. Attended the Online Short Term Course in Gender Sensitization from 11.08.2021 to 17.08.2021 conducted by UGC-HRDC, Kerala University.

Dr. Chithra Gopinath
Principal, TKM College of Arts and Science

Ms. Sherifa Rahim

1. Faculty Advisor - M.Sc 2020-2022 Batch

2. WWS - Internal Mentor

3. SSP- Internal Mentor

4. Antiragging Cell Extension Activity Convenor

5. Participated in the Online Induction Programme organized by UGC- HRDC , Kerala University from 01-03-2021 to 30-03-2021.

6. Participated in the Online FDP Course organized by NP-TEL-AICTE on Reagents in Organic Synthesis 04/09/2020 to 09-12-2020.

7. Coordinator of the Online Webinar on Exploring the Dimensions of Quality Research and Teaching on 23rd September 2020 organized by the Department of Chemistry in association with IQAC of T.K.M College of Arts & Science, Kollam.

8. Participated in the Online Workshop organized by TUM-KUR University on Creation of Digital and Educational posters on 20th September 2020.

9. Participated in the Online webinar on Covid -19 Diagnosis-Fundamentals, Current Diagnostic Techniques and Future Directions organized by department of Biochemistry in association with.

IQAC, T.K.M College of Arts & Science, Kollam

Dr. Abdul Rahim M. K.

1. IQAC member

2. University examination co-ordinator from 06/03/2020 to 07/09/2021

3. Website maintenance committee member

4. Member- Exam grievance Cell, University Examination

5. Member- Feedback committee

1. Participated in the **webinar** on "Weather and Climate: The changing world" Organized jointly by Environmental Club and Department of Physics, TKM College of Arts and Science on **June 6, 2020**.

2. Participated in Webinar on Relevance of Photo excitation organized by Dept. of Chemistry, M. E. S. College, Nedumkandam on **July 17, 2020**.

3. Participated in a webinar on Exploring the Dimensions of Quality Research and Teaching" jointly organized by the Department of

Chemistry and Internal Quality Assurance Cell on **23/09/2020**.

4. Attended Online Refresher Course in Materials Science from **15.10.2020 to 28.10.2020** at **UGC-HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC), UNIVERSITY OF KERALA**

Dr. Simimole H.

1. Faculty Advisor - B.Sc 2018-2021 Batch

2. **Question paper** setter for First Semester Post Graduate Examinations (Organic Chemistry) February 2021, CMS College, Kottayam (Autonomous)

3. Participated in the Online Induction Programme organized by UGC- HRDC , Kerala University from 28-09-2020 to 27-10-2020.

4. Participated in the webinar on "NMR: Theory, Instrumentation and Application" organized by KSCSTE during 20-23 August 2020

5. Completed two courses: Reagents in Organic Synthesis and





Pericyclic Reactions and Organic Photo chemistry through NPTEL swayam platform

6.Dept level Coordinator- Certificate Course

7.Dept level Coordinator- NAAC

Publications

1.Prasad L. Polavarapu, Ernesto Santoro, Cody L. Covington, Jordan L. Johnson, Andrew R. Puente, Nathan D. Schley, ZabeeraKallingathodi, Prasanth C. Prakasan, **SimimoleHaleema**, Annu Anna Thomas, Ibrahim Ibnusaud, How important are the intermolecular hydrogen bonding interactions in methanol solvent for interpreting the chiroptical properties? SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy, **2021**, 247, 119094

1. DeenammaHabel.; Divya S. Nair.; ZabeeraKallingathodi.; Chithra Mohan.; Sarath M. Pillai.; Rani R. Nair.; Grace Thomas.; **SimimoleHaleema.**; ChithraGopinath.; Rinshad V.; Abdul,Matthew Fritz.; Andrew R. Puente.; Jordan L. Johnson.; Prasad L. Polavarapu.; and Ibrahim Ibnusaud, Natural

Product-Derived Chiral Pyrrolidine-2,5-diones, Their Molecular Structures and Conversion to Pharmacologically Important Skeletons. Journal of Natural Products, **2020**, 83, 7, 2178-2190

2. Details of research guides in the Department, number of research scholars, and number of PhD produced

Sl. No.	Name of the guides	University
1.	Dr.Sumalekshmy S.	Kerala
2.	Dr. S. Anas	Kerala
3.	Dr. Abdul Rahim M.K.	Kerala
4.	Dr.ChithraGopinath	Kerala
5.	Dr.Siyad M. A.	Kerala
6.	Dr.Simimole H.	Kerala

Research Students

- 1.Lekshmi C L (Dr.Sumalekshmy S)
- 2.RekhaChandran P. R. (Dr. S. Anas)
- 3.Sherifa Rahim (Dr.Sumalekshmy S)
- 4.Swathy U S (Dr.Sumalekshmy S)
- 5.Reshma M J (Dr. S. Anas)
- 6.Gopakumar G (Dr. S. Anas)

7.Sughandhi (Dr. Abdul Rahim M K)
Sumi R (Technical University Kerala, Co-Guide-Dr. S. Anas)

UNDERGOING MAJOR AND MINOR PROJECTS

Dr. S. Anas

1. UGC minor research project on 'Superhydrophobicity of solvothermally synthesized hierarchically organized nanostructured photocatalysts' 2014 - 16 -2 Lakhs- [Project Final Report send on 2017].
2. KSCSTE Student Project- 2019 - FathimaYusra S, 'Synthesis and characterization of cerium oxide nanoparticles and studying their effects on the early growth stages of commercially important pisumsativum', Order No. 910/SPS63/2018/KSCSTE, **under the guidance of Dr. S. Anas**, Department of Chemistry, TKMCAS, Kollam. [Project Final Report send on 2020].
3. Soumya. E, 'Studies on the superhydrophobicity of hydrothermally developed, homo epitaxially

grown nanostructured ZnO surfaces', Order No. 1463/2016/KSCSTE, **under the guidance of Dr. S. Anas**, Department of Chemistry, TKMCAS, Kollam. [Project Final Report send on 2017].

Dr.Sumalekshmy S.

KSCSTE Student Project- 2019, **KeerthyVijayan, Molecular logic gates based on naturally derived molecules for the detection of pesticides**, KSCSTE File No. 909/SPS63/2018/KSCSTE, Rs.10,000, **Dr.Sumalekshmy S.**

Dr. Abdul Rahim M. K.

KSCSTE Student Project- 2019, Title: Co-Sensitization of Nanocrystalline Tio2 Films using organic sensitizers, Student Investigator: Ms. Aleesha Salim, Funding Agency: KSCSTE, Trivandrum and Duration: 1 Year

Dr.Simimole H.

KSCSTE Student Project- 2019: Arsh S. Raj.; Synthetic modification and photophysical studies of water soluble xanthone based flu





orescent molecules derived from naturally occurring α -mangostin;
KSCSTE, Order No No.913/SPS63/2018/KSCSTE

DETAILS OF CONSULTANCY SERVICES PROVIDED BY THE DEPARTMENT

The major research instrumentation facilities of our research centre, like UV-VIS-NIR spectrophotometer, FTIR Spectrometer, were extended to the internal and external students' communities, scholars and faculties, for the research consultancy, extension and outreach programmes. It mainly aims to nurture potential collaboration among educational institutions, research centres, R&D labs and industries. Records of the stakeholders are maintained in the department through official registry entry.



DEPARTMENT OF BOTANY

About the Department

The first degree course introduced in the college was Botany back in 1977. Today, the department is a full –fledged one. The botanical garden, (the in situ conserved biodiversity area) is the pride of the department, and is home to many rare plant species. The flora of the entire campus has been surveyed and identified jointly by the staff and students of the department. The flora of adventure park Kollam is surveyed by the students and staff , identified and listed out.

Faculty profile

Dr. Boby T.Edwin ,M. Sc ,Ph.D

Assistant Professor

Dr. M.J. Sheeba M.Sc,B.Ed,M.Phil,Ph.D

Assistant Professor

Ms.Jisha M.S, M.Sc

Assistant Professor

Ms.Nayana Vayalil

Assistant Professor
(Ad Hoc)

Positions held by faculties

Dr. Boby T.Edwin- HOD, Research guide, Staff advisor, CLMC co-ordinator

Dr. M.J. Sheeba-Extension activity co-ordinator, IQAC criterion chief, SSP co-ordinator, Final year faculty advisor.

Ms.Jisha M.S- Faculty advisor, WWS internal mentor, SSP resource person. IQAC sub-committee member,Nature club co-ordinator



Ms.Nayana Vayalil -Complementary batch advisor
Dr.Sangeetha- faculty advisor

LOCKDOWN WITH MICROGREENS

The lockdown imposed due to the Covid-19 pandemic encouraged the students to engage in different hobbies. The members of nature club and Students from Botany department were turned to nature and became microgreen farmers. Microgreens are easy to grow and quick to harvest, can be cultivated in our kitchen space by placing a few seeds on wet tissue paper. Students were actively participated in the farming activities and sent their micro greens photo. Members who cultivated their own greens said that learning their cultivation, uses and having the opportunity to taste the fresh greens.



POST GRADUATE DEPARTMENT OF MATHEMATICS

About the Department

Department of Mathematics established in the year 1980 has glorious history of 37 years, and has been upgraded to post graduate department in the year 1982. The main objective of the department is to provide quality education in Mathematics so as to bring the department as one of the best centres of mathematics in Kerala.

Following are the major activities and other details witnessed by the department during the academic year 2020-2021

Following programmes are organized by the department during the academic year 2020-2021

Estrellas

In spite of the COVID situation, Department of Mathematics celebrated PI Day titled Estrellas 2021 in a befitting manner. The presentation and quiz competitions were conducted via online mode on 22nd March 2021, As part of Estrellas 2021, we conducted some offline mathematical games and it was restricted to TKM CAS students due to COVID. All the faculties and students in the college actively participated in this event and it was a grand success.

Meet the Scholar

Department of mathematics organized Meet the scholar programme. In this programme renowned scholars delivered talk and students got an opportunity to interact with scholars. The third session of Meet the



Scholar Programme was organized on 05.08.2020. Dr. Manil T. Mohan from IIT Roorkee handled a session on 'Introduction to optimal control theory' and was followed by an interactive session with the students. The interactive session was informative and the students participated with enthusiasm.

• Quester

Sin of Cos, the math forum of TKM College of Arts and Science conducted the second and final phase of Quester 2020, "The quizzing phase" on 14th Oct 2020 at 10am via google meet. There were around 30 members including the student members of Sin of Cos, teacher coordinators, faculties of other departments and the finalist who reached there after crossing the first hurdle. The screening phase was held on 12th Oct 2020. The program started at 10 am by the quiz Monitor R.Sreelekshmi, 2nd year sin of Cos coordinator welcoming the finalist.

• Math forum'

Regular activities of the Math forum includes meeting on every Thursday via google meet. Apart from this Math forum took initiative to conduct various departmental activities including Pi-day celebration.

Certificate Course

Department of mathematics offered four different certificate courses namely Automata, Fascination of Groups, Geogebra and Mathematical thinking

ACHIEVEMENTS BY FACULTIES

• ADERSH V. K.

WORKSHOP/SEMINAR ATTENDED DURING 2020-2021 ACADEMIC YEAR

* Delivered a talk on Mathematical Analysis-Visualization and Applications at St. John's College, Anchal on 22nd August 2020

Attended one day workshop on "quality in higher education -New trends" organized by IQAC, TKM College of Arts and Science, Kollam on 19 May 2020.



Position Held

* Head of the Department
* Coordinator, Math forum
* Member, College service Cell

*Dr Aswathy M.R.

WORKSHOP/SEMINAR ATTENDED DURING 2020-2021 ACADEMIC YEAR

*Attended one day workshop on "quality in higher education -New trends" organized by IQAC, TKM College of Arts and Science, Kollam on 19 May 2020.

Positions Held

Internal Examination, In Charge

Faculty Advisor, Second year M.Sc

Criterion Chief, NAAC Member, IQAC

Faculty Advisor, First year BA Economics and Mathematics
Co-ordinator, F-Talk

*Nisamudeen Ashique P.K.

WORKSHOP/SEMINAR ATTENDED DURING 2020-2021 ACADEMIC YEAR

*Attended one day workshop on "quality in higher education -New trends" organized by IQAC, TKM College of Arts and Science, Kollam on 19 May 2020.

Positions Held

*Secretary, PTA

*Training and placement officer
*Tutor, III Year BSc Mathematics
*Rissana T.A.

WORKSHOP/SEMINAR ATTENDED DURING 2020-2021 ACADEMIC YEAR

*Attended one day workshop on "quality in higher education -New trends" organized by IQAC, TKM College of Arts and Science, Kollam on 19 May 2020.

Positions Held

*Tutor, First year BSc Mathematics
Department certificate course

***Niza N.**

WORKSHOP/SEMINAR ATTENDED DURING 2020-2021 ACADEMIC YEAR

*Attended one day workshop on “quality in higher education –New trends” organized by IQAC,TKM College of Arts and Science,Kollam on 19 May 2020.

*Attended online National workshop on INTRICACIES OF NAAC ASSESSMENT FOR BETTER SCORING organized by St Francis de Sales college ,Nagpur from 27-07-2020 to 31-07-2020

*Attended Faculty Induction Programme organized by UGC HRDC MANUU from 19-10-2020 to 17-11-2020

*Attended refresher course in data analytics and machine learning organized by UGC-HRDC University of Kerala from 23-.2-2021 to 08-.3-2021

Positions Held

*NAAC –Criterion Head

*IQAC Member

*Convenor SC/ST Committee

*Budget committee member

*Screening coordinator ,QUESTER 2020

*Department Librarian

***Harilal N. Thazhikkattuseril**

WORKSHOP/SEMINAR ATTENDED DURING 2020-2021 ACADEMIC YEAR

*Attended National webinar on Re-inventing Quality assurance: A postpandemic guide for teachers trends” conducted by IQAC,TKM on 19 May 2020

*Attended a national webinar on digital classroom conducted by ICT Academy of kerala on 20 June 2020

*Attended a national webinar on tools of E-learning conducted by ICT Academy of kerala on 27 June 2020

*Delivered a talk on complex analysis at KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE, Sasthamcotta on 05 October 2020

*Attended a national Seminar on Astronomy and Astrophysics organised by Mar Ivanios College, Trivandram on 25 July 2020

*Attended 4-Week Induction/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education from 1- 09-2020 to 30-09-2020

Positions Held

*Nodal Officer, YIP

*Nodal officer ICT Academy of Kerala

*College open course coordinator

*Member, Website committee

*Department NAAC coordinator

*Member, NAAC Criterion-1

ACHIEVEMENTS BY STUDENTS

Name of the student	Class	Achievement	Organizer	Date of the programme
Gokul Krishnan R	Bsc Mathematics 2019-2022	Excellent performance at Keralappiravi run challenge	Health Club, TKMCAS	
Thasneem M	Bsc Mathematics 2019-2022	First prize in Quiz	Math forum TKMCAS	23March 2021
Sree Lekshmi	Bsc Mathematics 2019-2022	First prize in Quiz	Math forum TKMCAS	23March 2021





Amrutha J	Bsc Mathematics 2019-2022	Attended international webinar on special functions	Department of mathematics, University of Kerala	02 to 05 Aug 2020
Amrutha J	Bsc Mathematics 2019-2022	First prize in drawing	Don Bosco college, Kottiyam	14 May 2020
Amrutha J	Bsc Mathematics 2019-2022	Participation in Quiz	Chikkanna Govt Arts College, Tirupur	
Anamika A	Bsc Mathematics 2020-2023	Got selection in OFCM	MTTS	
Fathima N	Bsc Mathematics 2020-2023	Got selection in OFCM	MTTS	
Hashma Shajahan	Bsc Mathematics 2018-2021	First prize in Quiz	Department of Mathematics	12 October 2020



POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

About the Department

Department of Physics started in the year 1980, offering post graduate course from 1998 onwards and is a leading research department in the college. University had recognized it as a research Centre in 2013.

Following are the major activities and other details witnessed by department during the academic year.

Faculty Profile

Name	Designation	Specialization	Role
Prof. L .R Aparna	Assistant Professor	Nuclear Physics	HoD, Faculty Adviser 1st& 2nd MSc, DST-FIST committee member, Disciplinary Committee member, Coordinator TLC, TKMCAS, IQAC Department Coordinator. Member IEDC Club
Dr. P. K. Manoj	Assistant Professor & Research guide	Thin Films	DST-FIST committee member, Research committee member, Research journal convener Faculty Advisor 1st DC Coordinator- Virtual lab sessions, IQAC member
Dr. Mohammed Salim M	Assistant Professor & Research guide	Particle Physics, High Energy Physics	Coordinator, Infinity Lecture Series Faculty Adviser 2nd DC, Website committee coordinator, SSP mentor, Coordinator -Certificate courses conducted by Department of Physics, Member IEDC Club



Prof. Safir T K	Assistant Professor	Quantum Gravity	Faculty Adviser 3rd DC, Co-ordinator of Physics Forum, IQAC member, College level University Exam cell member
Dr.Sher-gina Beegum	Guest Faculty	Computational Spectroscopy -	
Dr. Aiswarya R (From November)	Guest Faculty	Material Science	
Nandu C Mohanan	Guest Faculty	Astrophysics	
Sruthy T J	Assistant Professor & Research guide	Material Science	

PROGRAMMES CONDUCTED BY THE DEPARTMENT

*The Department of Physics & Physics Forum, TKM college of arts and science, Kollam organized an International webinar entitled "**Low dimensional low spin systems with novel magnetic ground state**" on 28th February 2021 at 1.30 pm as part of National science day celebrations. The resource person was **Dr. Arjun Unnikrishnan**, Inspire fellow, IISc Bangalore.

*The Physics Forum, Department of Physics, TKM College of Arts and Science, Kollam organized an open discussion on "**NOBEL PRIZE IN PHYSICS-2020**" on 14 October 2020 from 3.00pm to 4.00pm using Google meet platform. DR. FAIROOSE.C, Lecturer, Farook college, Kozhikode was the guest speaker. The programme was attended by UG students, PG students and Faculties in Physics

*As part of the Teacher's day celebrations, 2020 Department of Phys



ics and Physics Forum TKM College of Arts and Science, organized two intercollegiate competitions. They were (1) Short poem writing competition-write a short poem in Malayalam about your teachers. (2) You as a teacher-make five-minute video class in any physics topic using chalk & board or pen & paper. The entries are to be uploaded before 6th September. Many students participated in the competitions.*The Department of Physics in association with IQAC, TKM college of arts and science, Kollam organized an International webinar entitled "**Search for the fundamental constituents of matter**" on 25th September 2020 at 4.30 pm. The speaker was **Dr. Abdulla Abdulsalam**, Assistant Professor, King Abdulaziz University Jeddah.

*Physics Forum Department of Physics, TKM College of Arts and Science conducted two competitions to celebrate World Space Week (4-10 October 2020). The competitions were Virtual space Quiz and Poster making competition (make a digital poster on the theme 'satellites improve life'). 35 students registered for the competitions

OTHER DUTIES ASSIGNED TO FACULTIES

*Aparna L R- Coordinator Day observance Cell, Coordinator TLC, TKM College of Arts & Science
 *Dr. P K Manoj – Coordinator Science Club, Editor
 *Dr. M. Mohammed Salim – Coordinator of certificate courses conducted by Department of Physics, Website Committee Member,
 *Safir T K- Member University Exam cell

Faculty Members in Professional Bodies

*Dr. P K Manoj is a life time member of Optical Society of India and lifetime member of Optical Society of America.
 *Prof. L R Aparna, Dr. P K Manoj and Dr. M. Mohammed Salim are life time member of APTK.

**Research Guideship****Supervisor : Dr. P K Manoj**

Student Name	Title	Part time/ Full time	Date of joining	Registration order
ASWATHY B R	Synthesis of metal oxide based thin films by sol-gel route and its characterization for different applications	Part time	01/01/2018	
Ms JASMIN M Changed Guide	Study of Variation on Characteristics and properties of iodate single Crystals grown in Silica gel due to doping of impurities.	Part time	22/10/2013	No AcE1. B1/36764/2012 dtd 28/10/2013
Nayana D A	Growth and characterization of metal oxide Nano structures for photo catalytic and sensor applications	full time	8.4.2021	Ac E VI 3886/2021/ UOK dt 2.08.2021

Student Name	Title	Part time/ Full time	Date of joining	Registration order
Sreejith S	Synthesis of Fabrication and dosimetric studies in room temperature solid state detectors	Part time	8/02/2021	Ac E VI 1122/2021 dt 26.02.2021

Outside Guides**Supervisor: Dr. Najida, Assistant Professor, Dept. of Physics, BJM college, Chavara**

Student Name	Part time/ Full time		
IGNATIUS J	Part time		
HAIDY IGNI-TIUS	full time		

Supervisor : Dr. Krishnakumar V Assistant Professor, Department of Physics, SG College Kottarakara.

Student Name	Part time/ Full time	Title	Registration order
Rahul Raju	Full time	Particulate matter concentration, Physical characteristics and elemental composition over the Indian monsoon region	Ac. EVI(4)/718/ PHY/17825/2018 Dt 21.02.2019



Priya J S	Full time	Climate pertinent traces of aerosols and clouds	Ac. EVI(4)/718/PHY/18257/2018 Dt 23.02.2019
Asha G	part time		Ac. EVI(4)/115/PHY/12770/2018 Dt 06.07.2015
Devi S Kumar	Full time	The effect of atmospheric pollution on clouds and climate of the south east Monsoon Fall Region	Ac. Evi(4)/719/PHY/21210/2019 Dt.25.02.2020 904/2020/UOK dt. 11.03.2020

Supervisor: Dr. Indulal, Asst. Pfofessor, Dept. of Physics, SG College Kottarakara.

Student Name	Part time/ Full time	Title	Registration order
Ravikumar	Full time		
Biju	Full time		

Research Papers

1.Aswathy B R , Meenakshi L J, P K Manoj , “Effect of annealing temperature on structural and optical properties of nickel oxide thin films by sol-gel dip coating method”AIP Conference Proceedings 2287, 020007 (2020); <https://doi.org/10.1063/5.0029961> Published Online: 09 November 2020

1.Aswathy B R , Meenakshi L J, P K Manoj , “Effect of annealing temperature on structural and optical properties of nickel oxide thin films by sol-gel dip coating method”AIP Conference Proceedings 2287,



020007 (2020); <https://doi.org/10.1063/5.0029961> Published Online: 09 November 2020

Aswathy B R, P K Manoj, Dalia Vishnudasana–“Bio-synthesis and Characterization of ZnO Nanoparticles: Structural, Optical and antimicrobial studies” International Journal of Materials Research , Accepted on Oct 27, 2020

4. Aswathy B R, B Sreelekshmi, S Induja, P P Adarsh, S M Arya, S Aswana, R Haripriya, P K Manoj,Dalia Vishnudasana, Drought stress amelioration in plants using green synthesised iron oxide nanoparticles , Materials Today: Proceedings

sl no	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
1	Tumoricidal Potential of Novel Amino-1,10-phenanthroline Derived Imine Ligands: Chemical Preparation, Structure, and Biological investigations.	Renjith, Kollur Sivaprasad etal	Physics	Molecules	22-Jun-20
2	Indole moiety induced biological potency in Pseudo-peptides derived from 2-amino-2-(1H-indole-2-yl) based acetamide: Chemical synthesis, in vitro anti cancer activity and theoretical studies	Renjith, Kollur Sivaprasad etal	Physics	Journal of Molecular Structure	Oct-20



3	Influence of deposition parameter on the optical properties of ZnO thin films by dip coating method	Aswathy B R a) and P K Manoj	Physics	AIP Conference Proceedings 2244, 110003 (2020);t https://doi.org/10.1063/5.0009213	26-Jun-20
4	Effect of annealing temperature on structural and optical properties of nickel oxide thin films by sol-gel dip coating method	Aswathy B R , Meenakshi L J, P K Manoj	Physics	AIP Conference Proceedings 2287, 020007 (2020); https://doi.org/10.1063/5.0029961	09-Nov-20
5	Bio-synthesis and Characterization of ZnO Nanoparticles: Structural, Optical and antimicrobial studies	Aswathy B R, P K Manoj, Dalia Vishnudas	Physics	International Journal of Materials Research	on Oct 27, 2020
6	Drought stress amelioration in plants using green synthesised iron oxide nanoparticles	4. Aswathy B R, B Sreelekshmi, S Induja, P P Adarsh, S M Arya, S Aswana, R Haripriya, P K Manoj, Dalia Vishnudas,	Physics	Materials Today: Proceedings	



sl no	name of the student	Name Of the Event	Organized by	Position/ Prize received
1	Sreelakshmi.K.V	Encon Club Quiz	BPCL Kochi Refinery in connection with Saksham Oil & Gas Conservation Mass Awareness Campaign	First Prize
2	Sreelakshmi.K.V	PRAGYAN 2021	Department of Physics, CUSAT as part of National Science Day Celebration	Second Prize
3	Sreelakshmi.K.V	National Anveshika Experimental Skill Test	National Anveshika Network Of India & Vigyan Prasar	Consolation
4	Aliya Thasnim H	Encon club Quiz	SN College,Kollam	First Prize
5	Aliya Thasnim H	Women in Science	ST Gregorios college,kottarakara	First Prize
6	Aliya Thasnim H	VALENCY 2K20	TKM College of Arts and Science	second Prize
7	Aliya Thasnim H	ALMANAC	TKM College of Arts and Science	Consolation
8	Aliya Thasnim H	ABHIPRAJNA	IISER ,Tirupati	Consolation
9	Aliya Thasnim H	teachers day celebration	TKM College of Arts and Science	first price
10	Sreelakshmi.K.V	All Kerala Career Quiz	Yes India	Second Prize
11	Sreelakshmi.K.V	QUIISAR	St Joseph's College for Women, Alappuzha	Consolation
12	Sreelakshmi.K.V	Abhiprajna	IISER ,Tirupati	Consolation
13	Gopikrishnan	World Space week	TKM College of Arts and Science	first price



14	Devi R Krishna	Teachers Day Celebration	TKM College of Arts and Science	second Prize
15	Devika Rani	World Space week	TKM College of Arts and Science	Second Prize

Online Courses attended by students

sl no	name of the student	Name of the course	Institution	Duration of the Course
1	Sreelekshmi K V	Global Navigation Satellite System	ISRO/IIRS	10 hrs 30 minute
2	Sreelekshmi K V	Basic English for employability-Beginners Level 1	Skill development mission of Kerala	1 month
3	Aliya Thasnim H	Global Navigation Satellite System	ISRO/IIRS	10 hrs 30 minute
4	Arunima S	Experimental Physics I	NPTEL & IIT Kharagpur	12 weeks
5	Devi R Krishna	Global Navigation Satellite System	ISRO/IIRS	10 hrs 30 minute
6	Devi R Krishna	Basic English for employability-Beginners Level 1	Skill development mission of Kerala	1 month
7	Hridya s Kumar	Experimental Physics I	NPTEL & IIT Kharagpur	12 weeks

8	Navami Vijayan	Geospatial application for disaster risk management-Track 1	ISRO	1 month
9	Sreelekshmi K V	Geospatial application for disaster risk management-Track 2	ISRO	1 month
10	Remya R Pillai	Basic English for employability-Beginners Level 1	Skill development mission of Kerala	1 month
11	Athulya A	Basic English for employability-Beginners Level 1	Skill development mission of Kerala	1 month
12	Binuja B L	Basic English for employability-Beginners Level 1	Skill development mission of Kerala	1 month
13	Athira Mahesh	Basic English for employability-Beginners Level 1	Skill development mission of Kerala	1 month
14	Fathima Shabnam K N	Online Science Course in data science and machine learning	NIELIT	12 weeks



PARTICIPATION IN SEMINARS AND WORKSHOP BY FACULTIES AND STUDENTS

Participation of faculties in Seminars and Workshops

Name of the faculty	event	State/national/tment	Title of the event	Organizer	Date
Aparna L R	Short Term Course	State	A Short Term Course in E-Teaching with Learning Management Systems	AKPCTA	June 2020
Aparna L R	Refresher Course	National	Refresher Course on Astronomy and Astrophysics, 2020	TLC, IUCAA, Pune	11.5.2020-12.5.2020
Aparna L R	seminar	National	"Neutron Diffraction: A Unique Probe to Understand the Magnetism in Magnetic Materials"	Department of Physics, Bishop Moore College, Mavelikara	11.05.2020
Aparna L R	seminar	International	International Webinar on Nano Science 2020	Department of physics, Christian College, Kattakada	03.06.2020-04.06-2020
Aparna L R	seminar	National	Astronomy and Astrophysics	Department of Physics, Mar Ivanios College (Autonomous),	25.07.2020



Aparna L R	seminar	National	"Quantum Magnetism in Honeycomb Lattices"	IQAC and Department of Physics, Mar Thoma College For Women, Perumbavoor	16.06.2020
Aparna L R	seminar	International	Laser Spectroscopy - a powerful tool for the observation of atmospheric traces of pollutants	Laser Spectroscopy - a powerful tool for the observation of atmospheric traces of pollutants	15.08.2020
Aparna L R	seminar	National	Nuclear reactor technology in India- Advances and oppertunities	Departments of ME &bs, Rajagiri College of engineering and technology	04.09.2020
Aparna L R	seminar	National	"ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies "	Department of Physics and IQAC SN College Kollam & KSHEC	17.08.2020-23.08.2020
Aparna L R	seminar	International	CROSS-ROADS 2020	Department of Physics, SN College for Women, Kollam	22.07.2020



Aparna L R	seminar	National	The Webinar on National Education Policy 2020: Towards Athmanirbhar Bharath	Sree Sankara College Kalady	23.09.2020
Aparna L R	seminar	International	'World of 2D Materials and their applications in energy storage'	ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU	19.09.2020
Aparna L R	seminar	State	Webinar on Super heavy elements-Hopes and Challenges	Department of Physics St. Thomas College(Autonomous), Thrissur	01-07-2020
Aparna L R	seminar	National	Nuclear spins in Action: Quantum Computers to MRI Scanners	Department of Physics, St. Thomas College Kozhenchery	09.07.2020
Aparna L R	seminar	International	Particle Physics	Department of Physics, SVR NSS College Vazhoor	15.07.2020
Aparna L R	seminar	National	Many Species, One Planet, Common Future	Department of Zoology, IQAC TK-MCAS & WWF-India	05.10.2020



Aparna L R	seminar	National	Weather and Climate : The changing world"	Environmental Club and Department of Physics, TKMCAS	06.06.2020
Aparna L R	seminar	Nnational	COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions'	Department of Biochemistry and IQAC TKMCAS, Kollam	23.09.2020
Aparna L R	seminar	National	Search for the fundamental constituents of matter	Department of Physics, IQAC, TKM College of Arts & Science, Kollam	25.09.2020
Aparna L R	seminar	National	Two Day Webinar on Intellectual Property Rights: Tuning the Temperament of Innovation	I.P.R. Cell, T. K. M. College of Arts and Science, Kollam	28.10.202 & 30.10.2020
Aparna L R	seminar	National	Overview of Intellectual Property Rights	I.P.R. Cell & IQAC., TK-MCAS	08.03.2021
Aparna L R	seminar	National	Space Weather and its Impact On Earth	Govt. College Timarni , MP	10.3.2021



Aparna L R	seminar	National	Weather and Climate : The changing world"	Environmental Club and Department of Physics, TKMCAS	06.06.2020
Aparna L R	seminar	Nnational	COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions'	Department of Biochemistry and IQAC TKM-CAS, Kollam	23.09.2020
Aparna L R	seminar	National	Search for the fundamental constituents of matter	Department of Physics, IQAC, TKM College of Arts & Science, Kollam	25.09.2020
Aparna L R	seminar	National	Two Day Webinar on Intellectual Property Rights: Tuning the Temperament of Innovation	I.P.R. Cell, T. K. M. College of Arts and Science, Kollam	28.10.202 & 30.10.2020
Aparna L R	seminar	National	Overview of Intellectual Property Rights	I.P.R. Cell & IQAC., TK-MCAS	08.03.2021
Aparna L R	seminar	National	Space Weather and its Impact On Earth	Govt. College Timarni , MP	10.3.2021



Safir T K	seminar	National	Re- Inventing Quality Assurance: A Post Pandemic Guide for Teachers	IQAC,TKM-CAS	19 & 20 , 2020
Safir T K	Workshop	State	Make & Edit Video Classes	Department of Physics NSS College Manjeri	01- 05 May 2020
Safir T K	FDP	State	Pedagogical and E-Learning Tools for Teaching	KSHEC and SD College Allapuzha	04-10 August 20202020
Safir T K	Short Term Course	National	LibreOffice Suite	St. Peters College, Kolenchery, Spoken Tutorial Project, IIT Bombay	14-18 September 2020
Safir T K	seminar	National	Weather and Climate :The changing World	Enivironment Club, TKMCAS	June 6, 2020
Safir T K	seminar	National	NAAC :QUALITY eNHANCEMENT sTRATEGIES AND pREPARATION OF ssr	iqac, mALA-BAR COL-LEGE OF ADVANCED STUDIES, VENGARA iqac, mALA-BAR COL-LEGE OF ADVANCED STUDIES, VENGARA	27-06-2020



Safir T K	seminar	National	Search for the fundamental constituents of matter	Department of Physics, TKMCAS Kollam	19 & 20, 2020
Safir T K	FDP	National	ICT Tools for Teaching Learning Process-Post Pandemic Educational Strategies	IQAC SN College Kollam	17-23 August 2020
Safir T K	FDP	State	Implementation of Information and Communication Technology in Teaching	School of Legal Studies, CUSAT and KSHEC	18-24, July 2020
Dr. P K Manoj	FDP	National	Research Ethics and Characterisation Techniques in Materials Science	PMMMNTT	9.9.20 -15.9. 2020
Dr. P K Manoj	seminar	International	Religion and Society in Ancient and Medieval India	Dept of History, Krishna Chandra College, Birbhum	Oct, 4, 2020
Dr. P K Manoj	workshop	National	Artificial Intelligence	Four Step Training Solutions and Kongunadu College & Technology	19.5.20-5.6.20



Dr. P K Manoj	seminar	International	VCAN 2020	CNR, VIT University	17.6.20-19.6. 2020
Dr. P K Manoj	Seminar	National	Astronomy and Astrophysics	Department of Physics, Mar Ivanios College (Autonomous),	25.07.2020
Dr. P K Manoj	Seminar	National	National Education Policy 2020	Nirmala College Muvattupuzha	08 Aug 2020
Dr. P K Manoj	workshop	National	RESEARCH: PROPOSALS, PUBLICATIONS AND PATENTS	MES Kev-eeyam College and IPRICK, KSCSTE	28.9.2020-1.10.2020
Dr. P K Manoj	seminar	National	Laser Spectroscopy a Powerful tool for the observation of Atmospheric-trace pollutants	NSS College Manjeri	15.08.2020
Dr. P K Manoj	seminar	National	How to file Patent, Copyright and Trademark	Research Circle	04.10. 2020
Dr. P K Manoj	seminar	International	CROSS-ROADS 2020	Sree Narayana College for women	22.07 2020



Dr. P K Manoj	seminar	International	Solar and Wind Energies	Sona College of Arts and Science	18.08 2020
Dr. P K Manoj	Seminar	National	COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions	TKM College of Arts and Science Kollam	12 Sept 2020
Dr. P K Manoj	Seminar	National	Two Day Webinar on Intellectual Property Rights: Tuning the Temperament of Innovation	TKM College of Arts and Science Kollam	28.10.2020 & 30.10 2020
Dr. P K Manoj	Seminar	National	Search for the fundamental constituents of matter	TKM College of Arts and Science, Kollam	25/09/2020
Dr. Mohammed Salim	FDP	International	Managing Online classes and cocreating MOOCS 3.0	TLC, Rammanujan College, University of Delhi And MHRD	25-07-2020 - 10/08/ 2020
Dr. Shargina Beegum	Seminar	National	International Webinar on Raman Spectroscopy	Department of Physics and IQAC, T.K.M.M.C., Nangiarkulangara	01/06/ 2020



Dr. Shargina Beegum	seminar	National	Lecture Series on Spectroscopy and Its Perspectives	Department of Physics, Sacred Heart College, Thirupattur	05/06/ 2020
Dr. Shargina Beegum	Seminar	National	Creative Writing Of Research Proposals & Articles	Department of Physics, Adikavi Nanayana University, Rajamahendravaram	04/06/ 2020
Dr. Shargina Beegum	Seminar	National	International Webinar on NANOSCI-	Department of Physics, Christian College Kattakkada	08 Aug 2020
Dr. Shargina Beegum	workshop	National	Digital Signal Processing	PG Department of Physics, Dr.Palpu College of Arts and Science	25/06/ 2020
Dr. Shargina Beegum	seminar	International	International Webinar on Basics of IR and Raman Spectroscopy	Department of Physics, Avinashilingam Institute for Home Science and Higher Education for women, Coimbatore	24/06/2020



Dr. Shargina Beegum	seminar	International	Examination Reforms: Towards Online Assessment	PG Department of Commerce & IQAC, TKM-CAS, Kollam	06/07/2020-07/07/2020
Dr. Shargina Beegum	FDP	State	International webinar on "Advances in Functional Materials"	TKM College of Arts and Science Kollam	12 Sept 2020
Dr. Shargina Beegum	Seminar	state	Examination Reforms: Towards online assessment	TKM College of Arts and Science Kollam	6-7-2020 to 7-7-2020
Dr. Aiswaryar	Seminar	State	DBT star lecture series on characterization techniques in materials science	Bishop Moore College, Mavelikara	11-7-2020
Dr. Aiswaryar	Seminar	State	DBT Star lecture series on Emerging Solar Cell Technologies	Bishop Moore College, Mavelikara	28-7-2020
Dr. Aiswaryar	Seminar	International	International webinar on particle physics	SVRNSS college, Vazhoor, Kerala	15-7-2020
Dr. Aiswaryar	Seminar	International	International webinar on Quantum cryptography	Government College kariatattom	1-8-2020



Dr. Aiswaryar	seminar	State	Emerging trends in higher education	Bishop Moore College & KSHEC	10-7-2020
Dr. Aiswaryar	Seminar	International	Crossroads 2020	SN college for women, kollam	22-7-2020
Dr. Aiswaryar	workshop	National	Material characterization techniques	Chitkara university, Punjab	20-7-2020 to 22-7-2020
Dr. Aiswaryar	short term course	State	A short term course in E-teaching with learning management systems	AKPCTA	June 2020
Dr. Aiswaryar	Seminar	State	Nanomaterials for photocatalytic applications	Fatima Mata National College, Kollam	7-7-2020



DEPARTMENT OF ISLAMIC HISTORY

About the Department

Department of Islamic History of T. K. M College of Arts and Science was established in 1980-81 academic year. The department offers B.A Islamic History Degree Programme under choice based credits and semester system (CBCSS) with a maximum intake of 60 students. The department presently has positions of two permanent faculties and three guest faculties.

The following consists as faculty members of the department.

1. Shajitha S. M.A, B.Ed, M.Phil, UGC-NET

Assistant Professor and Head

2. Dr. Finser K. Muhammed M.A, B.Ed, Ph.D, UGC-NET

Assistant Professor

3. Dr. Thanveer T. M.A, Ph.D. UGC-NET/JRF

Guest Lecturer in Islamic History

Following are the major events conducted by the department during the academic year 2020-2021

Faculty Development Programme

Organised a faculty development programme on 'Contemplative Practices in Social Science Research' on 18th September 2020. Dr. Sameer Babu M., Assistant Professor in Education, University of Kerala, Thiruvananthapuram, was the resource.

*Reading Day Observance

The Department of Islamic History observed Reading Day on June 19, 2020. This day was commemorated on behalf of Sri. P. N. Panicker, Father of the Library Movement in the Indian state of Kerala. A reading competition was held through online platform in this regard. The function was formally inaugurated and the announcing of the winners was done by Hon. Principal, Dr. Chithra Gopinath. Prof. Shajitha S. Head of the Department had address welcome speech, and Dr. Finser K Muhammed, Principal, Dr. Chithra Gopinath. Prof. Shajitha S. Head of the Department had address welcome speech, and Dr. Finser K Muhammed, Assistant Professor in Islamic History had given felicitation address. Safiyya Thasleem of S6 Islamic History Batch delivered vote of thanks for the programme.

Duties Assigned

Shajitha S.

*Member of Senate, University of Kerala

*Member of Board of Studies, University of Kerala

*Head of the Department

*Hostel warden



*Coordinator, Kerala State Resource Centre

*Coordinator, Centre for Gandhian Studies.

*Coordinator, Women's Cell

*Coordinator, Continuing Education

*Coordinator, Community Service Cell

*Faculty Advisor, 1st and 2nd Semester

Dr. Finser K. Muhammed

*Coordinator, Unnat Bharat Abhiyan (UBA)

*Member, IQAC.

*Question Paper Setter in Maharaja's College, Ernakulam (Autonomous)

*Member of Board of Studies (UG), University of Calicut

*Member Expert Committee, PG Syllabus Restructuring, MG University.

*Faculty Advisor, 5th and 6th Semester.

Dr. Thanveer T.

*Faculty Advisor, 3rd and 4th Semester.



POST-GRADUATE DEPARTMENT OF COMMERCE

ABOUT THE DEPARTMENT

The Department of Commerce established in the year 1965 has been one of the departments established at the inception of college. The department had the privilege to start offering B.Com Degree in Finance and Taxation in the year 1979 and was one of the first departments to start Post Graduate programme of M. Com Degree way back in 1981. In the year 2014, the department had become the first ever department in the college offering two Under Graduate Programmes which had been accomplished by the commencement of B.Com Computer Application, besides the existing UG Programme offered ever since 1979 viz., B.Com Finance.

Currently the department is manned by 8 permanent faculties and 4 Guest lecturers. The current intake for choice based credit and semester programme for first degree and semester based Post Graduate programmes are

1. B. Com Finance:	67
2. B. Com Computer Application	55
3. M. Com	25



PERMANENT FACULTIES

sl no	Name	Qualification	Designation
1	Ruksana Sulthana. A. H	M Com	Assistant Professor
2	Shiny Salam	M Com, MBA	Assistant Professor
3	Dr.Shehnaz. S.R	M Com, Ph.D, B Ed	Assistant Professor
4	ThanseenaBai. R	M Com, B Ed	Assistant Professor
5	Firoskhan A	M Com, M Phil	Assistant Professor
6	Maheen M	M Com, CA Inter	Assistant Professor
7	Dr.SulfiyaSa-mad	M Com, B Ed,Ph.D	Assistant Professor
8	Jeena R	M Com, B Ed	Assistant Professor
9	Akhil Mohan	M Com, CMA	Adhoc Faculty
10	Devipriya.	MCom,B Ed	Adhoc Faculty
11	Sruthy	MCom	Adhoc Faculty

Details of Faculty, participation/contribution of teachers to the academic activities including teaching, consultancy and research, Workshop and faculty development programmes attended, achievements and awards during the period June 2020 to May 2021

1.RUKSANA SULTHANA A H , M Com.

Head of the Department,

Assistant Professor

Convener of Extension Activity: Women's Studies Unit,

Member of pass board meeting, University

Member of college council

Member of Discipline committee

Member of Ethics committee

Coordinator, IEDC

Broad Area of Specialization:

Consumer Behaviour, e-Business, Digital Marketing

Research

Broad area of interest is e-commerce, specifically in consumer behaviour through online, digital marketing.



**Achievements and Awards:**

Member of the Fostering Linkages in Academic and Research (FLAIR) programme from 2013 onwards.

2.SHINY SALAM, M Com, MBA

Assistant Professor

Coordinator of Health Club,TKMCAS

Member of Indian Accounting Association

Member of Fostering Linkages in Academic and Research (FLAIR) programme since 2013.

Co-ordinator-WWS Programme ,TKMCAS

Nominated Faculty /College level Coordinator of NISP

Coordinator of Student Assessment Cell,TKMCAS

Research Area

Working on the topics:

oProspects of Forest Tourism in Kerala- Research area for Ph.D

o“Corporate Social Responsibility practices of Public Limited Companies of Kerala”- Minor research project already submitted

PARTICIPATIONS IN FACULTY DEVELOPMENT PROGRAMMES ATTENDED ONLINE

1.05-07-2020,One day ,Impact of GST on Indian Financial Market

2.06-07-2020 and 07-07-2020,Two days ,Examination Reforms: Towards online assessment



3.26-05-2020 to 02-06-2020,8 days, Risk Management using Derivatives.

4.17-06-2020 to 24-07-2020, 8 days, Inclusive Research Methods

5.04-07-2020 ,one day, SEBI as a Regulator , Investor oriented measures.

6.20-05-2020 and 21-05-2020, two days, Innovative Teaching and Learning Methods

Seminars, Conferences and Workshops:

Sl.No.	Event (Seminar/ Workshop/ Conference, Symposia)	Level (State/ National/International)	Programme Title	Organizer	Date	Role (Participation/ Resource person)
1	webinar	National	Hypothesis in Research: Panic to Pivot	Department of Commerce, Christ Nagar College, Thvm	June 18th, 2020	Participated
2	webinar	National	Re-inventing Quality Assurance: A Post Pandemic Guide for Teachers	Department of Commerce, TKM-CAS, Kollam	19th and 20th, May 2020	Participated
3	webinar	National	Creation of Instructional videos and Recording	IQA-C,NSS College, Pandalam	May 13th & 14th 2020	Participated



4	Webinar	National	Fine tuning your Research papers: Publication in SCOPUS, Web of science Indexed and ABDC rated Journals	Department of Commerce, Bharata Mata College	27-05-2020	Participated
5	webinar	National	Advanced Web search strategies for Social Science	Department of Commerce, KSMD College, Sasthamcotta Kollam	May 13, 2020	Participated

3.DR. SHEHNAZ S.R., M Com, B Ed, Ph.D

Assistant Professor

Faculty Advisor of S1 B.Com Finance

Member of Indian Accounting Association

Member of IQAC, T.K.M College of Arts & Science

Member of Research Committee of the college

Member of Editorial Committee of College Research Journal (TI-JMR)

Member, Academic Committee UG Programme, Sree Narayana Guru Open

University, Kollam

Nodal Officer, IEDC

Convenor, IPR Cell

Convener of Extension Activity: Entrepreneurship Development Club

Research

Recognised Research Guide under University of Kerala

Publications

Pervasiveness and Predictors of Stress among Healthcare Workers in managing Covid-19 pandemic, Commerce & Business Researcher, Vol 14, Issue-1, January-March 2021, ISSN No.0976-4097, pp40-53

Layman's Perspective of Financial Return Predictions - The Enthralling Power of Market Index - An Empirical Test of Single Index Model, ECOMMAT,2020, ISBN-978-81-947715-7-9, pp207-224

A Study on Customer Preference Towards Food Delivery Applications, International Journal of Advance and Innovative Research, Volume 7, Issue 3(III), July-September 2020, ISSN 2394-7780,pp29-34

Taking a day to Learn or Lifetime to Master – Empirical evaluation of marketing efforts of Women Micro Enterprises under Family Prosperity, Mukta Shabd Journal Volume IX Issue V, MAY/2020, pp 1028- 1038 available at:<http://shabdbooks.com/gallery/108-may-2020.pdf>

The Predators Assuage to the Prey – The Effectiveness of CSR Initiatives of Companies in Kerala, Mukta Shabd Journal Volume - IX Issue - IV, April 2020, pp 1 -9 available at:<http://shabdbooks.com/gallery/1-april%20spe,%202020af.pdf>



Green Banking – An Initiative for Sustainable Development, Mukta Shabd Journal Volume - IX Issue – IV(S), April 2020-5, pp171-178, DOI:09.0014.MSJ.2020.V9I4(s).0086781.1726

Participations in Seminars, Workshops and Faculty Development Programmes

Sl.No.	Event (Seminar/Workshop/Conference, Symposia)	Level (State/National/International)	Programme Title	Organizer	Date	Role (Participation/Resource person)
1	webinar		The Structure of GST in India	Post Graduate Department of Commerce, Government Arts and Science College Santhanpara, Idukki	24.12.2020	Participation
2	webinar	National	Intellectual Property Rights and Protection	IQAC, All Saint's College in academic collaboration with Kerala State Higher Education Council	20.11.2020	Participation



3	webinar	National	Statistical Analysis and Interpretation Using SPSS and AMOS	Post Graduate Department of Commerce and Research Centre, Mahatma Gandhi College	12.11.2020-15.11.2020	Participation
4	webinar	National	Intellectual Property Rights	Post Graduate and Research Department of Commerce, The Cochin College	29.09.2020	Participation
4	E- workshop	National	Research Methodology	Department of Zoology and Department of Commerce, Government Lahiri P.G. College, Chirimiri, Koriya (C.G.)	8.9.2020-14.9.2020	Participation



5	E-workshop	National	Research Methodology	Department of Zoology and Department of Commerce, Government Lahiri P.G. College, Chirimiri, Koriya (C.G.)	8.9.2020 14.9.2020	Participation
6	Conference		International E-Conference	SAS-MIRA's Institute of Commerce & Science	08.08.2020	Participation
7	Conference	International	Pandemic Effect and Global Economy: Unseen Challenges & Opportunities Post Covid-19 Diagnosis (IC 2020)	Amity University, Patna	31.07.2020-01.08.2020	Presentation
8	Webinar	National	Classroom Management Tools	Department of Commerce, SCMS School of Technology and Management	23.07.2020	Participation



9	Online Faculty Development Programme		Derivatives - Options and Swaps	Department of Commerce, Bishop Moore College, Mavelikara	11.07.2020	Participation
10	Faculty Development Program		Examination Reforms: Towards Online Assessment	Post Graduate Department of Commerce, TKM College of Arts and Science, Kollam	6.07.2020-7.07.2020	Participation
11	Webinar	International	How do you write a High Impact Factor Paper	Post Graduate and Research Department of Commerce, Mahatma Gandhi College	07.06.2020	Presentation
12	Webinar	International	Conquering Chaos	Post Graduate & Research	29.05.2020	Presentation



				Department of Commerce, Bharathidasan College of Arts and Science, Erode		
13	Seminar	National	Re-inventing Quality Assurance: A Post Pandemic Guide for Teachers	TKM College of Arts & Science, Kollam	19.5 2020-20.5 2020	Participation
14	FDP	National	Moodle Learning Management System	V P Institute of Management Studies and Research, Sangli in association with Spoken-Tutorial IIT Bombay	12.5 2020-17.5 2020	Presentation
15	Webinar	National	Financial Aftermaths of the Pandemic on Indian Economy	Post Graduate and Research Department of Commerce	15 2020	Presentation



16	FDP	National	Emerging Business Issues	Department of Commerce, School of Management Sciences, Tezpur University, Assam	11.5 2020-15.5 2020	Participation
17	Webinar	National	Research in Accounting	Post Graduate Department of Commerce, Government College Tripunithura	10.5 2020	Participation
18	Webinar	National	Covid-19 and Commerce	Department of Commerce, St.Teresa's College (Autonomous) Ernakulam, Kochi	9.5 2020	Participation
19	Workshop	National	Tally for Beginners	PG Department of Commerce,	7.5 2020-9.5 2020	Participation



				Nalla-muthu Gounder Mahalingam College, Pollachi and AXN Infotech		
20	webinar	National	Impact of Lock-down on the Economy	Department of Economics, St. Xavier's College for Women, Aluva	05.05.2020	Participation

4. THANSEENA BAI. R, M Com, B Ed

Assistant professor

Faculty Advisor of S6 Bcom Finance (2017-2020)

convener of student support cell

Convener of performing arts and cultural club

Internal mentor student support programme

Area of specialization

Finance And Management



Research

Doing Ph.D in Commerce under University of Kerala on the topic Impact of power shortage on the functioning of industries In Kerala.

5. FIROSKHAN A. M Com, M Phil

Assistant Professor

Member, Discipline Committee

Member, Ethics Committee

Secretary, Credit Cooperative Society

Treasurer, Alumni Association

Faculty Advisor, B.Com (Finance), S6 (2018-2021)

Convenor, Malpractice Prevention Squad, University of Kerala (22/01/2021 to 06/03/2021)

Research

Doing Research on Financial Inclusion among Migrant Construction Workers in Kerala as a part time researcher in University of Kerala

WORKSHOPS AND FACULTY DEVELOPMENT PROGRAMMES ATTENDED



Event (Seminar/ Workshop/ Orientation/ Refresher/ FDP[online/ face-to- face])	Level (State/ National/Inter- national)	Programme Title	Organizer	Duration (from – to) (DD- MM- YYYY)	Role (Par- ticipation/ Resource person)
Nationala Webinar on IOT and Smart De- vices	National	Nationala Webi- nar on IOT and Smart Devices	Department of Commerce, M.S.M. Col- lege, Kayam- kulam	19/05/ 2020	Participa- tion
FDP (on- line)	State	Short term coursein E teaching with learning Man- agement System	All Kerala Private Col- lege Teachers' Association	June 2020	Participa- tion
FDP (on- line)	State	One Day Facul- ty Development Programme on DFderivative- Optionas and Swaps	Bishop Moore College, Mavelikkara	11th July 2020	Participa- tion
FDP (on- line)	State	Two Day Facul- ty Development Programme on Outcome Based Education and Blooms Taxon- omy	Post Graduate Department of Commerce, TKM Col- lege of Arts and Science, Kollam	07/10/ 2020 to 08/10/ 2020	Participa- tion
FDP (on- line)	State	Ten DaysOnline International Skill Devopment Programme on Social Media Digital Market- ing	School of Commerce, Bharathiar University	16.12. 2020 to 28.12. 2020	Participa- tion

6. MAHEEN M. M. Com, CA (Inter/PCC/IPCC)

Assistant Professor

Public Information Officer appointed under Right to Information Act, 2005

Faculty Advisor of S2 B.Com Computer Application

Member, College website team and Look campus adherence team
Treasurer, Staff Club

Research:

Broad Area: Accounting and Finance

Specially interested in the performance of financial market institu-
tions and its impact on the Macro economic variables, Asset Pricing,
International Financial Reporting and its convergence, Volatility of
market, Financial modelling, International taxation.

7. DR. SULFIYA SAMAD. M.Com, B.Ed, Ph.D

Assistant Professor

Faculty Advisor, B.Com Computer Application 20-23 Batch

Co-ordinator, Certificate Course, Department of Commerce

Co-ordinator, Ek Bharath Shresht Bharath (EBSB)

Coordinator, Human Rights Forum

Internal Mentor WWS



**Research**

Awarded Ph.D on “ Effect of Liberalisation on Fish Processing Industries in Kerala: A Study on Micro and Small Units in Kerala”.

SEMINARS, WORKSHOPS AND CONFERENCES ATTENDED

Refresher Course on “Education and teaching Methods”, 03-08-2020, UGC-Human resource development Centre, University of Kerala.

Orientation Programme, 16-10-2019- 05-11-2019, UGC- Human Resource Development Development Centre, University of Kerala.

One day national Webinar On Derivatives, Options and Swaps, organized by department of Commerce, Bishop Moore College, Mavelikara, on 11-07-2020

Two day FDP on Outcome Based Education and Blooms Taxonomy, Organized by Department of Commerce in association with IQAC, T-KM college of Arts and Science on 7-8 October 2020

Short term Training Programme on Women Entrepreneurs in Plastic Up Cycling Organised by SCMS (AICTE sponsored) on 24-29 August 2020

Two day training Programme on Effective Course Delivery using MOODLE, organised by ICT academy of Kerala on 5-6 May 2017

Publications

PRODUCTIVITY AND GROWTH IN FISH PROCESSING SECTOR: THE KERALA SCENARIO” Vol.9 Issue 5, May 2020 ISSN 2347-3150



TRINITY OF ECONOMIC THEORIES: SIMILARITY STUDY OF JC KUMARAPPA, SEN AND ISLAMIC ECONOMIC, JAC : A JOURNAL OF COMPOSITION THEORY Volume XIII, Issue VI, Page No: 399, June 2020, ISSN 0731-6755

Bootstrapping financing Model applicability among Fish Processing Units in Kerala Dr. Sulfiya Samad Commerce and Business Researcher March 2021 ISSN 0976-4097. Peer Review

8. JEENA R., M Com, B Ed

Assistant Professor

Faculty Advisor B.Com 2019-22 Batch

Department IQAC Coordinator

Co-ordinator Planning Forum

Convenor Training & Placement cell of the College

Internal Mentor Walk With the Scholar

Internal Mentor Scholar Support Programme

Member of MalPractice Prevention Squad, University of Kerala during June-July 2020

Member of Indian Accounting Association

Areas of specialisation:

Business Management, Banking and Finance, Business Laws

**Research**

Areas of interest are Banking and Finance in general and Financial Inclusion in particular. Thrust areas are Inclusive Banking and Financial Literacy.

Seminar, Workshops and Conference

WEBINAR	National	DATA MEASUREMENT SCALES AND SAMPLE ESTIMATION	JOINTLY BY DEPT OF ECONOMICS, ST.MICHAELS COLLEGE & S N COLLEGE, CHERTHALA	3RD, DEC, 2020	Participation
CONFERENCE	International	INTERNATIONAL VIRTUAL CONFERENCE ON BANKING & FINANCIAL TECHNOLOGY 2020	DEPT OF BANKING TECHNOLOGY, SCHOOL OF MANAGEMENT, PONDICHERRY UNIVERSITY	13TH AND 14TH AUGUST, 2020	Paper presentation
Workshop	International	SEM & CFA USING AMOS	INSTITUTE OF STATISTICS AND ANALYTICAL RESEARCH, CHENNAI	3RD-5TH JULY, 2020	PARTICIPATED
Workshop	National	STATISTICAL DATA ANALYSIS & INTERPRETATION USING SPS	INSTITUTE OF STATISTICS AND ANALYTICAL RESEARCH, CHENNAI	11TH-14TH JULY, 2020	PARTICIPATION



WEBINAR	National	RE-INVENTING QUALITY ASSURANCE: A POST PANDEMIC GUIDE FOR TEACHERS	IQAC, TKM COLLEGE OF ARTS & SCIENCE, KOLLAM	19TH-20TH, MAY, 2020	Participation
Webinar	National	IMPACT OF BANKING & FINANCIAL SECTOR IN THE POST COVID 19 CONOMY	DEPT OF COMMERCE, (PG), KRISTU JAYANTI COLLEGE (AUTONOMOUS), BENGALURU	19TH MAY, 2020	PARTICIPATION
Webinar	International	CLOUD AND BIG DATA	DEPT OF COMPUTER APPLICATION, MES COLLEGE, MARAMPALLY ALUVA	16TH MAY, 2020	PARTICIPATION
Workshop	National	ONLINE HANDS-ON WORKSHOP ON USING GOOGLE CLASSROOM: EFFECTIVE TEACHING TECHNIQUES	ST GREGORIOS COLLEGE, KOTTARAKARA, KERALA	27 TH APRIL to 1 MAY, 2020	PARTICIPATION
Orientation course	National	UGC sponsored Online Induction Programme	UGC-HRDC, University of Kerala, Kariyavattom, Trivandrum	28/9/2020-27/10/2020	PARTICIPATION



Two week FDP (on-line)	National	Managing On-line Classes and Co-Creating MOOCS	TLC, Rammanujan College, New Delhi	Apr 20-May 6th, 2020	Participation
Online Faculty Development Programme	NATIONAL	Data Analysis using Spreadsheet	Department of Management (BBA), Kristu Jayanti College (Autonomous), Bengaluru	May 19, 2020 to May 22, 2020	Paper presentation
7-Day International Level Faculty Development Programme (FDP)	International	Methodology of Research in Social Sciences : Latest Innovations	Department of Education in association with the Internal Quality Assurance Cell, Mrinalini Datta Mahavidyapith, Kolkata, in collaboration with the Faculty Development Centre, Mizoram University, Aizawl and Department of Education, Jadavpur University, Kolkata	25.07. 2020 to 31.07. 2020	PARTICIPATED



ACHIEVEMENTS OF STUDENTS

Competitive Exams

- 1.M. Swathi, B.Com Finance (2018-21), qualified Common Management Admission Test (CMAT)-2021 and KMAT KERALA 2021
- 2.Safidha S., B.Com Finance (2018-21), qualified KMAT KERALA 2021
- 3.Nesrin S.,B.Com Finance (2018-21), qualified KMAT KERALA 2021
- 4.Salmath S.,B.Com Finance (2018-21), qualified KMAT KERALA 2021
- 5.Nandu B.B.Com Finance (2018-21), qualified KMAT KERALA 2021
- 6.Soja R john BCom CA (2018-21)qualified KMAT KERALA 2021
- 7.Bheema S BCom CA (2018-21)qualified KMAT KERALA 2021
- 8.Shefna Shahudeen BCom CA (2018-21)qualified KMAT KERALA 2021

UNIVERSITY LEVEL COMPETITIONS

- 1.Fathiha Sulfiya, B.Com Finance (2018-21), has been selected for placement through campus recruitment in Wipro as People Ambassador which will be in career band Trainee-Group A of the organisation



The University results of B Com final year students are given below.
The pass

ACADEMIC ACTIVITIES OF THE DEPARTMENT

1. Student Support Webinar Series
2. FDP in Examination Reforms: Towards Online Assessment
3. Tax Fraud in GST: A Web Talk
4. Two Day FDP on Outcome Based Education
5. Personality Training Programme

POST-GRADUATE DEPARTMENT OF BIOCHEMISTRY

About the Department

The Department of Biochemistry was established in 2001 offering undergraduate programme in B.Sc. Biochemistry and later upgraded as a Post Graduate department in the year 2013. The B.Sc. Biochemistry Programme offered by the department comes under Choice Based Credits and Semester System (CBCSS) with Botany and Chemistry as complementary subjects. Department also offer Open Course in Lifestyle Diseases and Certificate Courses in First Aid, Nutrition & Food Safety, Lifestyle Disorders & Management and Nanoscience & Nanotechnology.

The department has over 140 members including 4 permanent faculties, 2 guest faculties, 1 lab assistant, more than 30 Post Graduate students and over 95 B.Sc. students. The department lab is equipped with facilities for Biochemistry, Enzymology, Microbiology, Immunology and Molecular Biology experiments. The department initiated a series of lectures under the title "ARETE" to discuss the recent challenges and advancements in the field.

The Department can claim the expertise and service of highly qualified teachers/academicians who are actively involved in research in different areas of Biochemistry. The areas of research focus include Phytochemistry, Pharmacognosy, Antioxidant studies, antimicrobial studies and Molecular Biology. It has been consistently producing rank holders in the university examinations. Following are the major activities and other details regarding the department during 2020-2021.

**Faculty Members**

Sl. No.	Name	Designation
1	Dr. Latha B.	HOD, Assistant Professor
2	Ajinza A.	Assistant Professor
3	Soumya S	Assistant Professor
4	Dr. Ansil P.N.	Assistant Professor
5	Dr. Sumayya A.S.	Guest Faculty
6	Dr. Harisankar H.S.	Guest Faculty

Programs Organized by the Department

*Webinar on 'Combating COVID with Ayurveda & Yoga: Indigenous Defense Against the Global Pandemic' jointly organized by the Department of Biochemistry and Internal Quality Assurance Cell on 17/09/2020.

*Webinar on "Ozone Layer Depletion and its Preservation" jointly organized by Environmental club and Dept. of Biochemistry in connection with world ozone day observance on 16/9/2020.

* Webinar on 'COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions' jointly organized by the Department of Biochemistry and Internal Quality Assurance Cell on 12/09/2020

*Intercollegiate Online Quiz Competition jointly organized by the NSS Unit and Department of Biochemistry in connection with the World Hepatitis Day Observance on 28/07/2020

*Organised an online yoga practice on 21st June 2020, the International Yoga Day in association with NSS unit TKM college of Arts and Science.

*National webinar on 'Importance of Environment Consciousness and Sustainability in Accreditation of Higher Educational Institutions' organized by T.K.M. College of Arts and Science, Kollam on 29/05/2020. Programmes organised by the department

1.Webinar on 'Combating COVID with Ayurveda & Yoga: Indigenous Defense Against the Global Pandemic'

2.Webinar on "Ozone Layer Depletion and its Preservation"

3.Webinar on 'COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions'

4.Intercollegiate Online Quiz Competition in connection with the World Hepatitis Day Observance on 28/07/2020.

An Intercollegiate Online Quiz Competition in association with World Hepatitis Day observance on 28th July 2020 was decided to jointly organize by the NSS unit of TKM College of Arts and Science and the Department of Biochemistry. Dr. Latha B., NSS co-ordinator and Head of the Department of Biochemistry and Dr. Ansil P. N., Assistant Professor, Department of Biochemistry were nominated as the joint coordinators of the quiz competition.

The notification and online registration forms of the Intercollegiate Online Quiz Competition were circulated in various academic social media groups, students' groups and NSS program coordinators groups. A total of 157 under graduate and post graduate students from various institutions across Kerala were registered for





the programme. A WhatsApp group of the registered participants were created for the smooth conduct of the program and also for the timely communication of participants and organizers. The online quiz competition was conducted through Google forms and the link for the same were circulated for the participants at 4. 00 PM. Participants were directed to submit the Google form containing 50 objective and multiple-choice questions within 30 minutes of time. Dr. Ansil P. N., proposed the vote of thanks and the quiz competition-concluded by 04.35 pm.



Out of 157 registered participants 83 students were attempted the quiz. Soft copy of the certificates was issued through Certify'em to all the participants who successfully completed the quiz at least by securing 50% marks. Certificate of Appreciation were also distributed to the participants who secured first, second and third position as listed below:

Sl. No.	Name	Course	Institution	Position
1	Aiswarya S	B. Sc. Botany & Biotechnology	S N College, Kollam	First
2	Parvathy Krishnan S	B. Sc. Biochemistry	T.K.M. College of Arts and Science, Kollam	Second
3	Gopika Murali	M. Sc. Biochemistry	A. J. College of Science and Technology, Trivandrum	Second
4	Maria Rosheel L	B. Sc. Biotechnology	Presentation College of Applied Sciences, Puthenvelikara, Ernakulam	Second
5	Akhila K	B. Sc. Biotechnology	Presentation College of Applied Sciences, Puthenvelikara, Ernakulam	Third





Students' Achievements

Rank Holders



News Paper Clips

Other Achievements

*Muhsina A -

B.Sc. Biochemistry got Certificate of Achievement on Online quiz by NSS, Nirmalagiri College (16/5/2020)

*Sruthy Unnikrishnan -

B.Sc. Biochemistry, successfully completed the NPTEL online course on 'Functional genomics' with a consolidated score of 80%.

*Jissy Anna George -

B.Sc. Biochemistry, successfully completed an Online Internship program on 'Biotechnology and its Applications in Medicine, Food and Forensic Sciences' conducted by Centre for Bioscience and Nanoscience Research (Affiliated to Bharathiar University), Coimbatore. 03-08-2020 - 21-08-2020.

*Sruthy Unnikrishnan -

B.Sc. Biochemistry, successfully completed an Online Internship program on 'Biotechnology and its Applications in Medicine, Food and Forensic Sciences' conducted by Centre for Bioscience and Nanoscience Research (Affiliated to Bharathiar University), Coimbatore. 03-08-2020 - 21-08-2020.

*Ajas Jose -

B.Sc. Biochemistry, successfully completed an Online Internship program on 'Biotechnology and its Applications in Medicine, Food and Forensic Sciences' conducted by Centre for Bioscience and Nanoscience Research (Affiliated to Bharathiar University), Coimbatore. 03-08-2020 - 21-08-2020.



Achievements of Faculty Members

1. Dr. LATHA B

Positions Held

*Head of the Department

*NSS Programme Officer

*Haritha campus coordinator

*Faculty Advisor I year BSc

*Chairman – II and IV semester M.Sc. Biochemistry, University of Kerala

*Member, IQAC - Criteria 3

*Coordinator- students' grievances and redressal cell of college

*Member, College Discipline Committee

*Convener, Student support and progression

*One of the editors of TKM arts college international journal for multidisciplinary research

*Peer reviewer, Materials today proceedings



Other Achievements

1. Appointed as question paper setter in Biochemistry for Kerala Public Service Commission dated 10-12-2020.

2. Appointed as question paper setter in S4 BSc Biochemistry of Kannur University

3. Appointed as convener Malpractice Prevention Squad (Kollam district) of Kerala university examinations for a period from 27-11-2020 to 10-01-2021.

Research Publication

1. Published a paper entitled "Hepatoprotective efficacy of methanolic extract of Monochoria vaginalis in acetaminophen induced toxicity in hep G2 cell lines in Materials Today: Proceedings 41(2021) p.600-605

Refresher /FDP/Short-Term Course

1. Refresher Course- UGC sponsored live Online Refresher Course in Life Sciences- UGC HRDC- University of Kerala. 12/08/2020-25/08/2020.

2. FDP on Role of teachers in Quality enhancement and accreditation organized by Krist Jayanthi College, Bangalore, 11-18, May, 2020

3. Short-Term Course in E-Teaching with Learning Management Systems organized by The All-Kerala Private College Teachers' Association - 1-10, June 2020



4.FDP on Online Education in Higher Education – KSHEC – 13/07/2020 -17/07/2020.

5.One Week Online Short-Term Faculty Development Programme on

“PEDAGOGICAL AND E-LEARNING TOOLS FOR TEACHING”,

organised by Sanatana Dharma College, Alappuzha in collaboration with The Kerala State Higher Education Council from 04th -10th August 2020.

6.Short-term training programme(online) for NSS programme officers organised by the National Service Scheme, University of Kerala from 15 to 20 November 2020.

Paper presentation

1.Presented a paper on ‘Science Education and the New education policy-a critical analysis,’ a three-day National webinar on New Education Policy in India (2020) challenges and possibilities organized by Dept. of History, School of Distant education, University of Kerala on 24-26 February 2021.

Webinars Attended

1.Two Day National Online Seminar on “Re - inventing Quality Assurance: A Post Pandemic Guide for Teachers organized by T.K.M. College of Arts and Science, Kollam, 19-20, May 2020

2.Participated in the two-day Faculty Development Programme on ‘Outcome Based Education and Blooms Taxonomy’ organized by Post Graduate Department of Commerce in association with IQAC, T. K. M.College of Arts and Science, Kollam-5 on 7th and 8th October2020.



3.Participated in the webinar on teaching-learning rebooted: classroom ICT in pandemic times organized by dept. of English, Kuria-kose Elias college, Mannanam on 20th June 2020.

4.Webinar on “Ozone Layer Depletion and its Preservation” jointly organized by Environmental club and Dept. of Biochemistry in connection with world ozone day observance on 16/9/2020.

2.AJINZA A.

Positions held

*Tutor – II M.Sc. Biochemistry

*Tutor- I M.Sc.Biochemistry

*Certificate Course Coordinator

*Training Assistant -Science Enrichment Residential Camp, Shastrapadham

Paper presentation

1.Paper presentation – Two Day Virtual International conference on Energy, Environment and Health, 11th and 12th September 2020.

Webinars/Seminars Attended

*Workshop on Video content Creation organized by IQAC, Marian College, Kuttikanam, 15-17, April, 2020

*Two Day National Online Seminar on “Re - inventing Quality Assurance: A Post Pandemic Guide for Teachers organized by T.K.M. College of Arts and Science, Kollam, 19-20, May 2020



*Two Day National Online Seminar on “Re - inventing Quality Assurance: A Post Pandemic Guide for Teachers organized by T.K.M. College of Arts and Science, Kollam, 19-20, May 2020

*Online webinar on Importance of Environment Consciousness and Sustainability in Accreditation of Higher Educational Institutions organized by T.K.M. College of Arts and Science, Kollam on 29.05.2020.

*Webinar on ‘COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions’ jointly organized by the Department of Biochemistry and Internal Quality Assurance Cell on 12/09/2020.

3.SOUMYA S.

Positionsheld

*Tutor – II B.Sc. Biochemistry

*Certificate Course Coordinator

*Coordinator, Environmental club

Refresher /FDP/Short-Term Course

1. “A Short-Term Course in E-Teaching with Learning Management Systems”conducted by The All-Kerala Private College Teachers from 30.5.2020-

2.10.6. 2020.



3.FDP on ‘Online Education in Higher Education Institutions’ conducted by KSHEC from 13 July to 17 July 2020.

4.UGC sponsored live online refresher course in Life Sciences from 12/8/2020-25/8/2020 conducted by UGC HRDC, University of Kerala.

5.UGC Sponsored Live Online Short-Term Course in MOOC, E-Content Development and Open Educational Resources” conducted by UGC HRDC, University of Kerala from 23/9/2020 – 29/9/2020.

6.Online short-term FDP in ‘Digital Learning- New Normal Mode’ – organized by DB college, Thalayolaparambu from September 4-10, 2020.

Webinars/Seminars Attended

1.Webinar on “Importance of Environment Consciousness and Sustainability in Accreditation of Higher Educational Institutions” organized by the Internal Quality Assurance Cell in association with Department of Biochemistry, on May 29, 2020

2.Two Day Online Seminar on “Re - inventing Quality Assurance: A Post Pandemic Guide for Teachers” organized by the Internal Quality Assurance Cell of the college on 19 and 20 May 2020.

3. ‘Two Day Faculty Development Programme on Examination Reforms: Towards Online Assessment’ organized by PG Department of Commerce in association with IQAC, TKMCAS, Kollam on 6th and 7th July 2020.

4.Webinar on “Coronavirus Disease 2019: All You Need To Know” jointly organized by Department of Biochemistry & IQAC on 23.07.2020.



5. Webinar on “HYPERTENSION BIOCHEMISTRY OF A SILENT KILLER” conducted by Dept of Biochemistry and Industrial Microbiology Sree Ayyappa college Eramallikara, Chengannur on 25/7/2020.

6. Webinar on “Online Teaching - A New Approach” organized by Internal Quality Assurance Cell, St. Xavier’s College for Women, Aluva on 31-07-2020.

7. International Webinar on “Autoimmunity and Antimicrobial Response Factors” organised by the Department of Biochemistry and Industrial Microbiology in association with IQAC, Sree Narayana College for Women, Kollam on 27th July 2020.

8. Webinar on 'COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions' jointly organized by the Department of Biochemistry and Internal Quality Assurance Cell on 12/09/2020.

9. Webinar on “Ozone Layer Depletion and its Preservation” jointly organized by Environmental club and Dept. of Biochemistry in connection with world ozone day observance on 16/9/2020.

10. Webinar on 'Combating COVID with Ayurveda & Yoga: Indigenous Defense Against the Global Pandemic' jointly organized by the Department of Biochemistry and Internal Quality Assurance Cell on 17/09/2020.

11. International Virtual Seminar on “Biological Models in Modern Research” held on 18th, 19th and 22nd September, 2020.
Webinar on 'Many Species, One Planet, Common Future' jointly organized by the Department of Zoology and IQAC in collaboration with WWF-India on 05/10/2020 in connection with the ‘World Animal Day’ (October 04) and ‘World Wildlife Week celebration’ (October 02-08) 2020



Paper Presentation

1. Presented a poster in 33rd Kerala Science Congress on the topic entitled “Ameliorative Effect of Menthol on Oxidative Stress in Streptozotocin Induced Diabetic Encephalopathic Rats” on 26/1/2021.

2. Presented a paper in connection with the international seminar on ‘Recent Biochemical Approaches in Therapeutics (RBAT-VII)-2021 on the topic entitled ‘Menthol Ameliorates Cognitive Impairment by Alleviating Acetylcholinesterase activity in Streptozotocin Induced Diabetic Encephalopathic Rats from 9/2/2021-11/2/2021.

4. Dr. ANSIL P. N.

Positions held

*Member, IQAC, TKMCAS

*Nodal Coordinator – Amrita Virtual Lab (MHRD, Govt. of India) TKMCAS Nodal Centre.

*SPOC – NPTEL Local Chapter

*Course Coordinator – Certificate course on ‘Nutrition & Food Safety’

Orientation/Faculty Induction Program attended

1. UGC Sponsored Online Faculty Induction Programme, UGC-HRDC-Aligarh Muslim University, Aligarh, UP. (23, September - 31 October 2020).

**Programs Organized**

1. Two Day National Online Seminar on “Re - inventing Quality Assurance: A Post Pandemic Guide for Teachers” (19-20, May 2020).
2. Webinar on ‘Importance of Environment Consciousness and Sustainability in Accreditation of Higher Educational Institutions’ (29, May. 2020).
3. Coordinated ‘A Short-Term Course in E-Teaching with Learning Management Systems’ organized by The All-Kerala Private College Teachers’ Association (20-30, June 2020).
4. World Hepatitis Day Observance - Intercollegiate Online Quiz (28, July 2020).
5. Webinar on ‘COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions’ (12, September 2020).
6. Webinar on ‘Combating COVID with Ayurveda & Yoga: Indigenous Defence Against the Global Pandemic’ (17, September 2020).
7. Global Handwashing Day Observance, Intercollegiate Photography Contest (15, October 2020).

FDP/Short Term Course

1. 5 Days Online National Level Faculty Development Programme ‘Moodle - Learning Management System’ organized by the Department of Computer Applications, MES College, Marampally, in association with Spoken Tutorial, IIT Bombay. (19-23, May 2020).



2. ‘A Short-Term Course in E-Teaching with Learning Management Systems’ organized by The All-Kerala Private College Teachers’ Association. (1-10, June 2020).

3. Two Day Faculty Development Programme on ‘Examination Reforms: Towards Online Assessment’ organized by T.K.M. College of Arts and Science, Kollam. (6-7, July 2020).

4. Online Short-Term FDP ‘Implementation of Information and Communication Technology in Teaching’ organized by School of Legal Studies, CUSAT & KSHEC. (18-24, July).

5. FDP on ‘Outcome Based Education and Blooms Taxonomy’ organized by T.K.M. College of Arts and Science, Kollam. (07 - 08, October 2020).

6. FDP in Biochemistry organized by IIT, Kharagpur (SWAYAM – NPTEL online course) (Jan-Apr, 2020).

Workshop/Seminar/Webinar attended

1. ‘Blended Online Workshop on Transition to Online Facilitation’, Organized by NPTEL, IIT Madras. (06 May - 03 June 2020).
2. National Webinar on “NAAC: Quality Enhancement Strategies and Preparation of SSR” organized by Malabar College of Advanced Studies, Vengara. (27 June 2020).
3. Webinar on ‘Corona Virus Disease 2019: All You Need to Know’, Organized by S.N. College, Kollam. (23, July 2020).
4. Webinar on ‘Covid 19 and cardiovascular diseases: Immunology and Future’, Organized by St. Peter’s College, Kolenchery (06, August 2020).



5. Webinar on 'Ozone Layer Depletion and its Prevention' organized by T.K.M. College of Arts and Science, Kollam (16, September 2020).

6. Webinar on 'Promotion Under CAS - UGC Guidelines', organized by Carmel College, Mala (19, September 2020).

7. Webinar on 'Exploring the Dimensions of Quality Research and Teaching' organized by T.K.M. College of Arts and Science, Kollam (23, September 2020).

5. Dr. HARISANKAR H.S.

Fellowship

*Successfully completed three years of Post-Doctoral Research (2017 to 2020), awarded by Cochin University of Science and Technology (UO. No. Ac. B3 PDF/ 2016-17(b) dated 10-05-2017)

Book Chapter

1. Hari Sankar. H.S., Babu Philip and Harikrishnan. M (2021). Bio-chemical Characteristics of Pepsins from two Cichlids, *Etilapia suratensis* and *Oreochromis mossambicus*. In: Impact of Climate Change on Hydrological Cycle, Ecosystem, Fisheries and Food Security (Madhusoodana Kurup, B., Boopendranath, M. R., Harikrishnan, M. and Shibu, A. V., Eds), pp.497-508, Narendra Publishing House, Delhi, India. ISBN: 9789390309115

Research Publication

1. Thermal and pH stability of lipases from *Etilapia suratensis* (Pearl spot) and *Oreochromis mossambicus* (Tilapia): A comparative study., (2020), Hari Sankar. H. S and Babu Philip., TKM Arts College International Journal for Multidisciplinary Research (TIJMR). Vol. 2 No.1.



June, 2020, Pp 1-11.

6. Dr. SUMAYYA A. S.

Research Publication

1. "In vitro anti-inflammatory potential of marine macromolecules cross-linked bio-composite scaffold on LPS stimulated RAW 264.7 macrophage cells for cartilage tissue engineering applications" in the journal, Journal of Biomaterials Science, Polymer Edition (Year of publication – March 2021) with an impact factor of 2.69.



Result Analysis

	Name of the dept	Class	Percentage of pass	Topper /Rank
1	Mathematics	UG	63	 Amina N
		PG	56	 Anju Mariam Jose
2	Physics	UG	68	 Afnan N Mansar
		PG	54	 Riya J John
3	Chemistry	UG	65	 Razeena Rasheed



	Name of the dept	Class	Percentage of pass	Topper /Rank
		PG	56	 Kalyani M
4	Biochemistry	UG	77	 Sruthy Unnikrishanan
		PG	71	 Sansiya Yesudasan(First rank, Kerala Uni- versity)
				 Haritha Mohan S.(Second rank, Kerala University)



	Name of the dept	Class	Percentage of pass	Topper /Rank
5	Botany	UG	40	 Ajmi Fathima S
6	Botany	UG	70	 Vishnu Priya S
7	English	UG	69	 Amina N
		PG	100	 Sruthy V (First rank, Kerala University)
8	Islamic History	UG	22	 Safiyya Thasleem



	Name of the dept	Class	Percentage of pass	Topper /Rank
9	Commerce	UG-Finance	69	 Ajmi Fathima S
		UG- Computer Application	88	 Resiya
		PG	100	 Jisha Philip



College Library

About the Library

During the report period, the college library resorted to computerized operations and services using standard Library Management Software. The Online Public Access Catalogue (OPAC) enables the users to search books and other materials by author, title, subject, publisher, keyword, call number and accession number. The library houses 35800 volumes covering various subjects in English, Hindi, Arabic and Malayalam. The library subscribes to more than 110 printed periodicals including research journals and magazines. During the report period, library has been added 981 books with a total cost of Rs. 751505.00

The library has a state of the art digital collection with high speed internet connectivity. This would ensure seamless access to minute information, which is crucial in this 'information age'. The digital library provides access to more than 6000 online journals and 31 lakh e-books through UGC N-LIST, and to thousands of Open Access Journals and databases.

Library Staff

Name	Designation
Dr. Mohamed Musthafa. K	UGC Librarian

Number of Users

Batch	Strength
UG Students	1394
PG Students	202
Faculty Members	59
Others	25

Library Resources

Resources	No.
Text book	34992
Reference book	1650



e-Book	31 lakh N-LIST
Print Periodical	110
e-Journals	6000+ N-LIST
Digital Database	Nil
CD & DVD	90
Others Reports	250

Library Services

- *Book Lending
- *Reference
- *Interlibrary loan
- *Online Renewal
- *Reprography
- *Online document delivery
- *News archives

- *Mobile Public Access Catalogue (Mo-PAC)
- *Career Support
- *Current Awareness Services
- *Selective Dissemination of Information (SDI)
- *Articles Bibliography
- *Online renewal system
- *Library Orientation and User education

Library Orientation

In the month of August 2020, the library organised 10 orientation sessions online for graduate students to introduce the library system, and six separate training sessions for post graduate students.

Library Science Internship

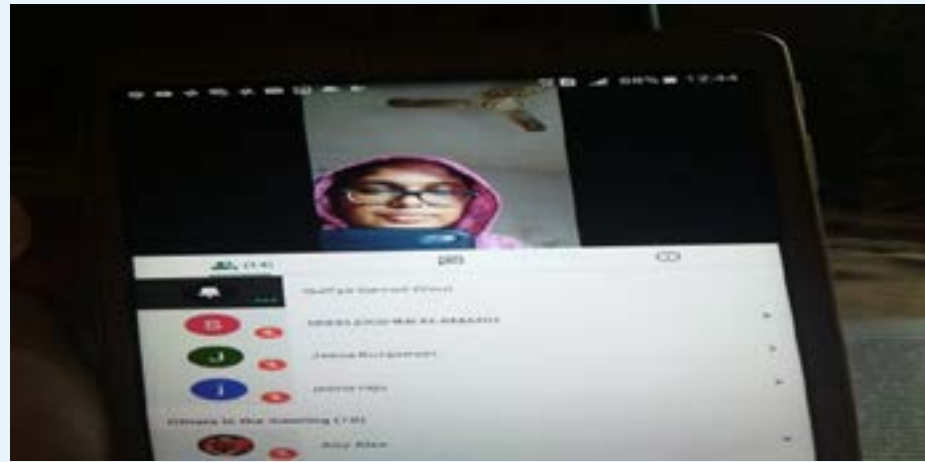
The library offers 15 days internship programme for the students of Certificate in Library and Information Science (CLISc) conducted by University of Kerala. Three batches have successfully completed internship.

Library Traineeship

The library offers traineeship for graduates in Library and Information Science. During the six month internship, the trainees will be taught to handle automated library and digital library. Special training is provided to use KOHA (Open Source Integrated Library Management Software) and Green Stone (Open Source Digital Library software).



Human Rights Forum



Social Awareness Campaign: to be better 15/07/2021- 1/09/2021 awareness on domestic violence and dowry death

To inculcate concepts of marriage and family to youth, Human Rights Forum and Women's Studies Unit of the college conducted a series of programmes as part of its campaign- To be Better for a Pro Women Society commencing on 12 July 2021. The campaign paid attention to create awareness on students about the evils of dowry system.

A brief of the programmes conducted under the campaign:

A web talk by Prof. J Devika, activist and writer

Short film – Not for Sale screened via You Tube and was watched by 3100 persons. Social Awareness Programme focused on Parents group of our College. About 74 parents participated.

The campaign formally concluded on 27/08/2021 with a key note presentation by Former DGP Rishiraj Singh. The web meet was a grand event with the presence of Honourable chairman of TKM trust, Janab Dr.T.K. Shahal Hassan Musaliar, Trust member and Treasurer T A Jalaludeen Musaliar, T A Jamaludeen Musaliar and Principal Dr. Chithra Gopinath.

Short Film Youtube Link: <https://youtu.be/GIESabZL7Lg>
3000 views

Google meet Link: Dr. J Devika
<https://drive.google.com/file/d/1Q3n43whqClcSiqOt8gmLwkKt4EjW5scD/view?usp=sharing>

Google Meet Link: Rishiraj Singh
<https://drive.google.com/file/d/1Q3n43whqClcSiqOt8gmLwkKt4EjW5scD/view?usp=sharing>



EBSB

The Ek Bharat Shrestha Bharat programme, aims actively enhance interaction between people of diverse cultures living in different states and UTs in India, with the objective of promoting greater mutual understanding amongst them. As per the programme, each year, every state/UT would be paired with another state/UT in India for reciprocal interaction between the people.

Objectives of the Club

To celebrate the Unity in Diversity of our Nation and to maintain and strengthen the fabric of traditionally existing emotional bonds between the people of our Country.

To promote the spirit of national integration through a deep and structured engagement between all Indian States and Union Territories through a year-long planned engagement between States.

To showcase the rich heritage and culture, customs and traditions of either State for enabling people to understand and appreciate the diversity that is India, thus fostering a sense of common identity To create an environment which promotes learning between States by sharing best practices and experiences.

Thus, TKM College of Arts and Science is paired with a Government College, Ghumarwin in Himachal Pradesh.

Brief description of Activities

*Quiz Competition

Selection of EBSB Club members was conducted through a quiz competition and basic information of Himachal Pradesh. Fifty one students were selected on the basis of score obtained

*Food Fest

Various food products of Himachal Pradesh was prepared by the club members. Items of food were exhibited in the food corner as part of Commerce Expo held at the college.

*Film Show :

A Himachal Movie "Saanj" is played at seminar Hall on 3.02.2020. The movie in Pahari language.

*Save Water Pledge

Pledge in Hindi on save water was prepared and presented by Sreelakshmi, the club member on 28.02.2020. The College Principal, IQAC members, RUSA coordinator and other faculty members attended.

*PPT presentation 28.02.2020

Power point presentation on various aspects of Himachal was prepared and presented by club members.

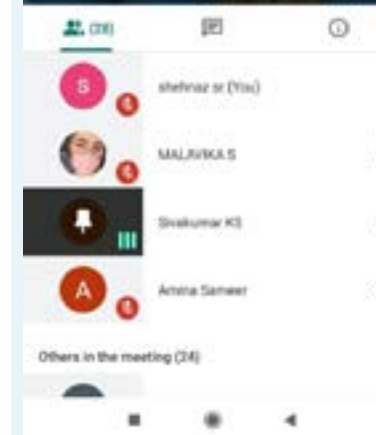
*Documentary show on 24.04.2020 Parvathy Valley

*TED talk of Siddarth Cahuhan, Link shared through whatsapp group on 10.04.2020

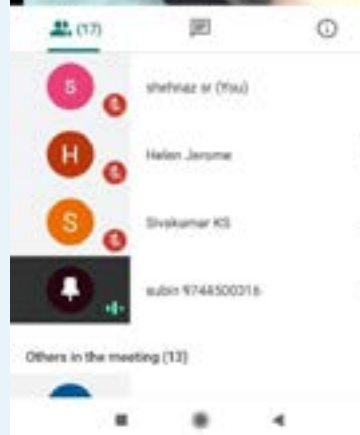
*A Letter to your Himachal friend- 30.05.2020

*Secrets of Himachal, Documentary, Link shared through whatsapp and review on documentary held on 24.05.2020

Venturing Beyond Domestic Walls



As an initiative to bring up entrepreneurial skills and spirit among students, Entrepreneurship Development Club organized an online awareness program on entrepreneurship titled **Venturing Beyond Domestic Walls** in association with **District Industries Centre, Kollam** on 8th October 2020. The programme was inaugurated by Dr.Chithra Gopinath (Principal, TKM College of Arts and Science). The program was segmented into two.



technical sessions. The first technical session was handled by **Sri. K. Sivakumar** (Manager, DIC, Kollam) on **How to Start an Enterprise and Government Schemes**, and the second technical session was led by **Sri.Subin, IEO (Taluk Industries Office KTRA)**. The sessions enabled the students to assess their potential, and encouraged them to ponder over the risk elements and factors associated with entrepreneurship

Entrepreneurship Development Programme



With a view to enhance confidence and entrepreneurial spirit among students, Entrepreneurship Development Club organized a webinar on **Ease of Doing Business and Procedures** on 09.10.2021. The Co-ordinator of the club Dr. Shehnaz S. R. welcomed the participants by giving a brief introduction on the significance of entrepreneurship. The program was inaugurated by the principal of the college Dr. Chithra Gopinath. The resource person of the program was **Sri. Dinesh (Manager, DIC, Kollam)**.



He has shared his valuable insights and views by giving emphasis on the attributes which an entrepreneur need to equip for starting a new venture such as how to manage the venture, how to deal with various aspects of entrepreneurship and how to tackle the mishaps effectively.

Interactive Session with Successful Entrepreneurs



Anoop Vijayan during interaction with students

Entrepreneurship Development Club organised interactive sessions with successful entrepreneurs on 10.05.2021 to shape the students' urge to become future entrepreneurs. The program was inaugurated by the Principal of the college, Dr. Chithra Gopinath. The resource person of the program was **Sri. Anoop Vijayan** (Independent Owner, United by CHAI Restaurant Group & Associate Partner, CHETTINADU Kitchen Group). He explained his success story, and the challenges he had to face during his journey to success. He persuaded all students to work hard with a positive mentality to attain their goal.

Environmental Club

Environmental Club plays an important role in creating environmental awareness amongst the future generation. Environment Club enables members to actively participate in the environmental activities and take personal action to contribute to climate change mitigation.

In order to create awareness among students about the need of environmental protection and conservation, the following programmes were conducted during the academic year 2020-21.

1. Weather and Climate: The Changing World
2. Ozone Layer Depletion and its Preservation
3. Haritha Campus Workshop
4. Organic Farming

Literary Club

The course of action of the Literary Club in the year 2020-21, as in the previous year, was to nurture and enhance the creative and literary talents among the students. The Book Exchange Programme was continued this year as well. Some of the literary works included in this year's Book Exchange Programme are given below:

- *Basheer's *Pathumma's Goat*
- *Fredrick Backman's *Bear Town*
- *Benyamins *Got Days*
- *Chetan Bhagat's *Three Mistakes of My Life*

Another important activity of the Literary Club in the year 2020-21 has been to



collect creative writing material from students across disciplines and displaying it on the Department of English notice board. The students responded enthusiastically to this activity initiated by the Club. Students were also assigned with haiku writing exercises.

Health Club

Health Club conducted the following programmes during the academic year 2020-21

Programmes/ Challenges

1. Walk 10 kms in 7 days Challenge:

To start with, a simple challenge was presented to the members. They had to complete 7 kms walk in a period of seven days, starting from 23.8.2020 up to 30.8.2020. The activity was to be recorded and tracked using some tracking mobile applications such as STRAVA or FITBIT. The link or the screen shot was to be shared in the WhatsApp group that was created comprising the members of Health Club.

2. Walk 15 kms in 7 days Challenge:

The next challenge intended to bring the members to the next level of fitness, aimed at completing a minimum of 15 km in 7 days, starting from 1.9.2020 to 7.9.2020. Rules were the same as the first challenge, like tracking using mobile app and sharing the details in the Whats App group.

3. Run 25 kms in 10 days Challenge:

In the third challenge, slightly tougher target was given to the members. A total distance of 25 kms should be completed within 10 days, starting from 8.9.2020 till 17.9.2020. Very good outcome came up, especially from female members.

4. LIIT Low Intensity Interval Training for cardio and weight loss

The fourth programme was slightly different. Dr. Sandy Nair, Assistant Professor, Department of Physical Education, NSS College, Pandalam, who is also an international fitness trainer shared his YouTube videos on Low Intensity Interval Training. The series started on 18.9.2020 and completed on 24.9.2020.



The progressive training videos were shared to members and they did the activities as per the shared videos and reported the details of activities done in the given format.

5. 1000 Calorie Cardio Workout Exercises.

This programme was a continuation of the previous one. Dr Sandy Nair shared his YouTube videos on 1000 Calorie Cardio Workout Exercises. The series started on 26.9.2020 and completed on 2.10.2020. The progressive training videos were shared to members and they did the activities as per the videos and reported the details of activities done in the given format.

6. Yoga Crash Course

Dr Sandy Nair, who is also a certified Yoga trainer, shared his YouTube videos on basic Yoga and asanas to start with. The series started on 3.10.2020 and completed on 9.10.2020. The programme was an orientation towards basics of Yoga, and intended on improvement of body flexibility. Progressive training videos were shared to members and they did the activities as per the videos and reported the details of activities done in the given format.

7. Zumba Steps.

An introduction and familiarization to Zumba, which is one of the best activities for staying fit during the lockdown period was provided online from 10.10.2020 to 17.10.2020, by sharing the available YouTube videos to the students. The members did the activities as per the videos shared and reported the details of the activities in the prescribed format.

8. Walk 15 kms in 5 days

This was a walking challenge, conducted from 18.10.2020 to 23.10.2020. The activities were recorded using applications such as STRAVA, FITBIT etc., and shared in the WhatsApp group.

9. Run 20 kms in 7 days

This was again a running challenge, conducted from 24.10.2020 to 30.10.2020. The activities were recorded using applications such as STRAVA, FITBIT etc., and



shared in the WhatsApp group. the videos shared and reported the details of the activities in the prescribed format.

8. Walk 15 kms in 5 days

This was a walking challenge, conducted from 18.10.2020 to 23.10.2020. The activities were recorded using applications such as STRAVA, FITBIT etc., and shared in the WhatsApp group.

9. Run 20 kms in 7 days

This was again a running challenge, conducted from 24.10.2020 to 30.10.2020. The activities were recorded using applications such as STRAVA, FITBIT etc., and shared in the WhatsApp group.

10. Keralappiravi Run:

This was a single day virtual event, conducted on the Keralappiravi day, 1st November 2020. The participants were required to cover the maximum possible distance by running or walking, and to report the details on 1.11.2020. A cash prize of Rs. 1000/- and certificate of appreciation were also offered to the winner who completed the maximum distance. All the students participated in the event actively and reported the details recorded online. Gokul S. from S4 B.Sc. Mathematics completed 14.5 kms and became the winner.



Principal of the college presenting certificate and award to Keralappiravi run winner



11. Webinar on Exercise and Mental Wellness at the time of Covid Pandemic

Webinar on Exercise and Mental Wellness at the time of Covid Pandemic was conducted on 6.11.2020, by **Mr. Siyad B. R.**, guest faculty, Department of Physical Education, TKM College of Arts & Science. It was an interactive session, and all the queries of students were answered during the session.

12. Workshop on Health and Fitness Awareness



Mr. Kannan R Ramesh discoursing in the workshop on Health and Fitness Awareness

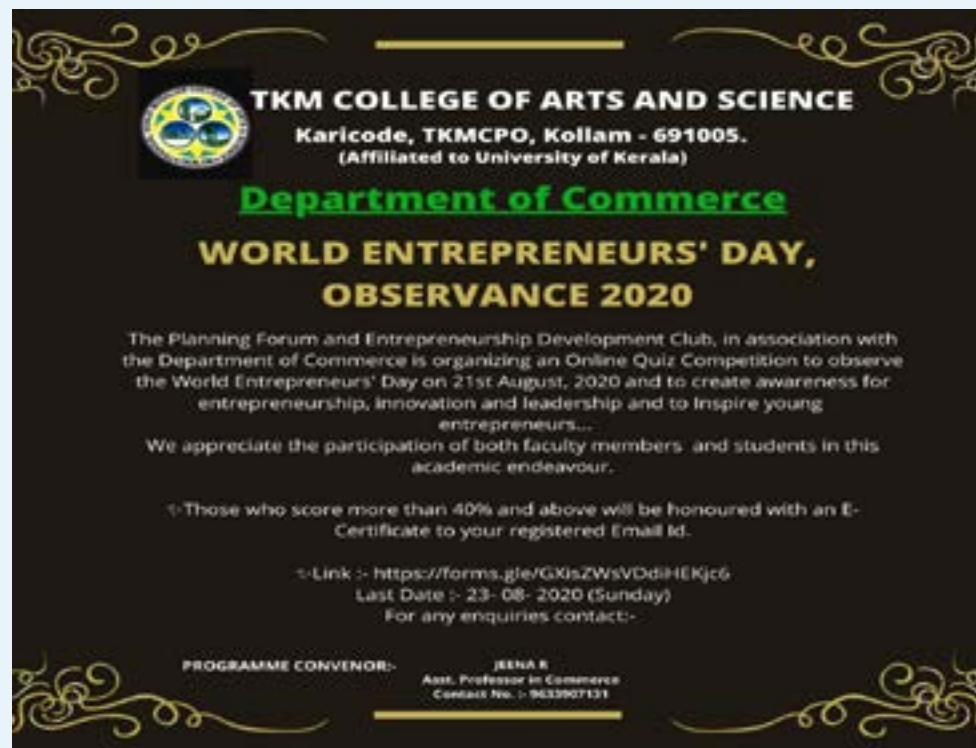
A practical workshop was organized at the College Auditorium on 20.02.2021 from 2pm to 4 pm. The workshop was led by **Mr. Kannan R. Ramesh, Exercise Consultant and Psycho Counselor**. The program was conducted following all COVID protocols. Principal of the college Dr. Chithra Gopinath inaugurated the workshop, which included theoretical as well as practical sessions.

Planning Forum

Planning forum is an academic forum for the students who are interested in Economics, Finance and Commerce. Eleven students from BCOM Finance joined the club as members

The first activity of the forum for the academic year 2020-21 was the observance of World Humanitarian Day. The students created videos on themes and messages spreading awareness with regard to humanitarian activities and persons involved in the humanitarian activities.

The next activity is the observance of World Entrepreneur's Day in collaboration with Entrepreneurship Development Club and Department of Commerce. E – Certificates were also provided to the participants.



Online Onam Celebration. Onam was celebrated in association with Performing and Cultural Club by creating a video sharing Principal's message, Onam pictures and a songs sung by students of Performing & Cultural Club of the college. Link- https://youtu.be/oHBro6P1_BQ

Women's Studies Unit

Women's Studies Unit conducts training programmes on various modes of art and craft. On Saturdays, training is given to the students of the unit on fabric painting, textile printing, glass painting, pot painting, and they are assigned with cross stitch and quick stitch kits to improve their talents. The unit conducted the following programmes during the academic year 2020-21.

Sl. No	Name of Activity	No of Hrs	Date	No of students enrolled	Remarks
1	Training programme fabric painting, glass painting, churidar designing, flower making, potpainting and craft work are all done as activity from home	1	All Fri-days	50	By convener
2	Webinar Session-An Opportunity To Come Up As Young Women Entrepreneur	1	10-10-2020	60	By Resource person Meera Haridas, Director of Verkernner Business Associates Pvt.Ltd , Vice chairperson CII-IWN Kerala.
3	Pathways and Barriers For Survivors Of Violence Against Women	1 day	10-10-2020	50	Dr. Sharnas Muthu, General Secretary of Women's Manifesto, a Delhi Based national level Organisation working for Women empowerment and social welfare and Treasure of The Women education and Empowerment Trust (TWEET).
4	Pathways and Barriers For Survivors Of Violence Against Women	1 day	06-03-2021		Key note speaker: Harshita Attaluri IPS , Organised as part of observing International Women's Day



Webinar: An Opportunity to Come Up as Young Women Entrepreneurs

The Women's studies unit conducted a webinar to motivate students to come up as entrepreneurs. The resource person, **Meera Haridas, Director of Verkernner Business Associates Pvt.Ltd, Vice Chairperson CII-IWN Kerala**, has pointed out the various opportunities in the society and the different funding sources to support the young entrepreneurs. She also explained certain strategies that could be applied to bring ideas into action. The programme was inaugurated by the Principal Dr.Chithra Gopinath. Ruksana Sulthana A.H., Convenor of the programme also addressed the virtual meet.



Key note address by Meera Haridas

Pathways and Barriers for Survivors of Violence against Women



Ruksana Sulthana A.H., during the webinar

Human Rights Forum, Women's Study Unit and Entrepreneurship Development Club jointly organised a webinar on gender sensitization- **Women Rights are Human Rights-Pathways and Barriers for Survivors of Violence against Women** on 31/10/2020 Saturday at 4 pm via Google Meet.

The Key note speaker was Dr. Sharnas Muthu, **General Secretary of Women's Manifesto**, a Delhi Based national level Organisation working for Women empowerment and social welfare and Treasurer of The Women Education and Empowerment Trust (TWEET).

Principal Dr. Chithra Gopinath chaired the webinar. In the key note address, Dr. Sharnas Muthu opined that the number of crimes reporting-related to atrocities against women is comparatively very low, and this attitude should be changed through incessant campaigns. Dr. Sulfiya Samad Ruksana Sulthana A. H. and Dr. Shehnaz S. R. addressed the online gathering.

Women Empowerment -Online Interactive Session



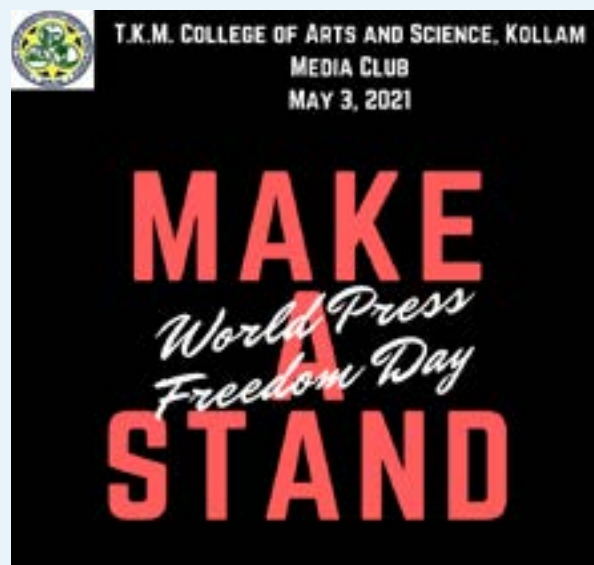
Harshitha Attaluri IPS during the talk

The women's studies unit conducted a webinar on Women Empowerment as part of International Women's Day Observance. Harshitha Attaluri IPS was the chief guest who spoke on the various hindrances that a woman has to face in life. She stated that

"women has to get rid of fear, always be courageous, because our weakness becomes the strength for others to attack us." Her real life experiences shared with the students inspired them to believe in the world and system around them. The webinar was inaugurated by the Principal of the college Dr. Chithra Gopinath. Ruksana Sulthana A.H., Convenor of Women's Studies Unit, also addressed the audience.



Media Club



Video Collage in connection with World Press Freedom Day

The Media Club of T.K.M. College of Arts and Science has played a crucial role in making the students aware of the importance of developing their creative faculty and language skills. During the academic year 2020-2021, Media Club organized an online lecture titled "Journalism and Digital Media: Changing Trends and Opportunities to introduce to the club members, along with the graduate and postgraduate students of the Department of English, the scope of a career in journalism

and digital media. The talk was delivered by Ms. Sharanya Hrishikesh on 17th April, 2021 and was well received by the audience comprising teachers and students. Select members of the Media Club also prepared a video collage in connection with the World Press Freedom Day on 3rd May, 2021 with a special focus on the relevance and necessity of free press.

Anti- Ragging Cell (Extension Activity)

As part of the Curriculum, the Institution has Anti-Ragging Cell Extension Activity. Second year students are mainly engaged in this cell.

Objectives

- *Awareness is given to the students, about Ragging and its consequences, by arranging Seminars, Awareness talks, Orientation courses etc.
- *Mould the students/fresher's in such a way that they can report the matter boldly, in case any wrong incident happened to them.
- *To take necessary steps and measures in the case of reported matters and to eliminate ragging in the Institution too.



Debate Club

The Debate Club of the college launched a programme titled **Impact 2020-21** which comprises a series of tutorials on Language Skills and Soft Skills. The tutorials are designed in such a way that the students find it easy to understand and get themselves equipped with the basics of language skills.

The first tutorial in the series was launched by the Principal of the college Dr. Chithra Gopinath on the official You-tube channel of the college on 12th Oct 2020. The tutorial dealt with the topic Non-verbal Communication.

The second tutorial in the series was launched on the official You-tube channel of the college by the Principal on 18th Nov 2020. It focused on the topic The Art of Debating. The Debate Club, in association with the Department of English, conducted an online event titled All the World's a Stage: Voices from Far and Near on 6th Nov 2020. The event, which was a tribute to the world's greatest orators, comprised two parts. The first part focused on the following orators of the past: Jawaharlal Nehru, Martin Luther King Jr. and John F. Kennedy. Part two had the following three speakers of international acclaim of the twenty-first century: Shashi Tharoor, Chimamanda Ngozi Adichie and Barack Obama. The students were made to listen to their select speeches, online. The following speeches were included in the event:

A Tryst with Destiny- Jawaharlal Nehru

I have a Dream- Martin Luther King Jr.

Moon Speech- John F. Kennedy

A Well-educated Mind vs. a Well-formed Mind- Shashi Tharoor

Commencement Address- Chimamanda Ngozi Adichie

Historic Speech to America's Students- Barack Obama

3. The Debate Club conducted an online debate for its club members on the topic 'Social Media: Uses and Abuses' on 16th Nov 2020. The club members participated enthusiastically and exchanged their views on the topic. It was conducted on google-meet.



Training and Placement Cell

Amidst the pandemic situation prevailing in the country, students of TKM College of Arts and Science gave an active participation in the placement drive conducted in the virtual platform by various reputed companies across the country. More than being confined participation students of our college came out with flying colors in their selection process. Support and strength provided by our principal, Dr. Chithra Gopinath can never be ignored. Details of the company, their selection process and the students placed at major companies are provided below:

WIPRO



Wipro, leading global information technology, consulting and business process services company conducted a placement drive for various posts. The following students got selected in the placement drive.

1.Name : Devikarani M
Batch : 2018-21 B.Sc.Physics
Designation : Scholar Trainee- WILP
Name of Company : Wipro



2.Name : M S Alshyma
Batch : 2018-21 B.Sc. Mathematics
Designation : Scholar Trainee- WILP
Name of Company : Wipro



3.Name : Adwaith T S
Batch : 2018-21 B.Sc.Physics
Designation : Scholar Trainee- WILP
Name of Company : Wipro



4.Name : Fathiha Sulfiya
Batch : 2018-21 B.Com. Finance
Designation : People Ambassador
Name of Company : Wipro





BYJU'S



BYJU'S, the most esteemed ed-tech company in the world conducted a placement drive for 2021 graduates. Following student got placement at BYJU'S app

1.Name : Suhana Sirajudeen Nishana
Batch : 2018-21 B.Sc.Chemistry
Designation : Operations Associates
Name of Company : BYJU'S



INFOSYS



Infosys, an Indian multinational information technology company that provides business consulting, information technology and outsourcing services conducted an Off Campus Drive scheduled for B.E/ B.Tech/ M.E/ M.Tech/ MCA/ M.Sc/ B.Sc/ BCA/Diploma -2019/2020/2021 batch graduates for the role of Systems Engineer/Operations Executive. Students of 2018-21 Batch B.Sc. Mathematics and Physics participated in the campus recruitment which was conducted in virtual platform.

About 30 students from 2018-21 B.Sc. Physics and Mathematics attended the online assessment, and the following students got selected.

1.Name : Meenu G
Batch :2018-21 B.Sc. Physics
Designation :Operations Executive
Company :Infosys



2.Name :Afnan Mansar
Batch : 2018-21 B.Sc. Physics
Designation :Operations Executive
Company :Infosys



3.Name :M Renjini
Batch : 2018-21 B.Sc. Physics
Designation :Operations Executive
Company :Infosys



4.Name :Anjana Pillai
Batch : 2018-21 B.Sc. Physics
Designation :Operations Executive
Company :Infosys





5.Name : Gopiga I
 Batch : 2018-21 B.Sc. Mathematics
 Designation :Operations Executive
 Company :Infosys



6.Name : Devikrishna S R
 Batch : 2018-21 B.Sc. Mathematics
 Designation :Operations Executive
 Company :Infosys



1.Name : Haleema Nizar
 Batch : 2018-21 B.Sc. Mathematics
 Designation :Operations Executive
 Company :Infosys



H&R Block - India



H&R Block, an American Tax preparation company conducted an online recruitment for the students of 2018-21 B.Com. Computer Application batch and one got selected for the role of Associate Tax Analyst.

1.Name : Sonu S
 Batch : B.Com. CA
 Designation : Associate Tax Analyst
 Company :H&R Block



TATA



Tata Motors is India's largest automobile company. Pioneer with an opportunity to make a career with Tata Motors is a dream for all Aspirants. It is one of the Tata group of companies which recruits Freshers and Experienced applicants through examination and interview. Students of our college actively participated in the said placement drive. *National Qualifying Test (NQT)



1.Name : Femina S
Batch : 2018-21 B.Sc.Chemistry
Designation : Graduate Trainee in Grade YG
Company :TATA



2.Name : Arya S Das
Batch : 2018-21 B.Sc.Chemistry
Designation : Graduate Trainee in Grade YG
Company :TATA



3.Name : Raziya M
Batch : 2018-21 B.Com Computer Application
Designation :Trainee BPS
Company : TATA



4.Name : Sachin Suresh
Batch : 2018-21 B.Com Finance
Designation : Trainee BPS
Company :TATA



5.Name : Nesrin. S
Batch : 2018-21 B.Com Finance
Designation : Trainee BPS
Company :TATA



FEDERAL BANK



Federal Bank, one of the premier private sector banks in the country which offers best HR practices and excellent career prospects conducted placement drive for young, talented and dynamic individuals to team up as Associate in Non-Officer cadre. The following students got selected in placement drive.

1.Name : Devikarani M
Batch : 2018-21 B.Sc.Physics
Designation : Associate in Non-Officer (Clerical) cadre.
Name of Company: Federal Bank



2.Name : Gouri Binu Nair
Batch : 2018-21 B.Sc.Physics
Designation : Associate in Non-Officer (Clerical) cadre.
Name of Company: Federal Bank



Grey Matter



Grey Matter is a professional HR organization engaged in staffing services for all industries, HR outsourcing, recruitments, HR & IR consulting and legal consultancy. One student got placed at Grey Matter, Kochi.

1.Name : Niyaz A R
Batch : 2018-21 B.Com. Computer Application
Name of Company: Grey Matter, Kochi





NeST Digital



NeST Digital, one of the Multi National Companies conducted placement drive for 2021 passouts for the post of Process Associate 'in 'Grade 1A'. The following student got selected in the placement drive.

1.Name : Anvar Abdul Shareef
Batch : 2018-21 B.Sc.Physics
Designation : Associate 'in 'Grade 1A'
Name of Company: NeST Digital



MAX



Max Fashion is an Emirati fashion brand under the banner of the Mumbai based Landmark Group. Graduates of 2018-21 batch participated in the placement drive conducted by Max. The following students got placed in the selection drive.

1.Name : Anzab Rahman M
Batch : 2018-21 B.Com. Computer Application
Designation : Junior Executive
Name of Company: MAX



2.Name : Vinayaka B
Batch : 2018-21 B.Com. Computer Application
Designation : Junior Executive
Name of Company: MAX



Aero Institute of Technology



AERO is the country's pioneer Institute that focuses on specialized training in logistics, aviation and hospitality industry. Following students of our college got placed in the selection drive conducted by AERO.

1.Name : Sona R John
Batch : 2018-21 B.Com. Computer Application
Designation : TELE SALES EXECUTIVE
Name of Company: Aero Institute of Technology, Kochi



2.Name : Soja R John
Batch : 2018-21 B.Com. Computer Application
Designation : TELE SALES EXECUTIVE
Name of Company: Aero Institute of Technology, Kochi





9K Bn NCC

Journey of Indian Republic – Republic Day Celebrations

By maintaining the COVID Protocol, republic day celebrations were carried out at the college premises on 26.01.2021. Flag hoisting was done by Lt. Liby K.S. She had delivered a speech regarding the efforts that had taken by the freedom fighters for the independent India.



Lt.Liby K.S. in flag hoisting ceremony

Cadre Camp

A cadre camp was conducted at TKM College of Arts and Science for cadets who were writing, B and C certificated examinations. The camp was conducted from 08.02.2021 to 12.02.2021.



International Yoga Day Celebrations

In the wake of extreme Covid cases, the programme could not be conducted at college premises. Hence, Yoga day celebrations were conducted virtually.

Conduct of B certificate examination

B certificate examination was hosted by 9(K) Bn. at TKM college on 21.06.2021. The examination was conducted smoothly and whole process was in concurrence with Covid 19 protocol.

Covid Kit Collection

9(K) Bn. NCC collected a worthy amount and handed it over to the Principal for extending a helping hand to the affected persons.



Independence Day

Independence day celebrations were reduced in minimum number due to Covid situations. Flag hoisting was done by The Principal Dr.Chithra Gopinath.

Battle of HILLI

As part of the celebration of winning over Pakistan in 1971 Indo-Pak war, a webinar on Battle of Hilli was organised by 9(K) Bn. NCC TKMCAS Kollam on 26th August 2021. Cadets were addressed by the Principal Dr.Chithra Gopinath and inaugurated by Lt. Col. Rizwankhan, A, AO, 9(K) Bn. NCC, Kottarakkara. Lt.Dr.Tharun A.Rauf made the key note address.



3 Kerala Girls Bn. NCC

Total enrolled strength is 108

Strength of 1st year is 45

Strength of 2nd year is 27

Strength of third year is 36

Lt. Liby K.S. is the ANO of the unit

List of Programmes Conducted- 2020-21

Sl. No	Name of Programme	Date
1	TREE PLANTING CAMPAIGN	5/6/2020
2	YOGA FOR HEALTH-YOGA AT HOME CAMPAIGN	21/6/2020
3	KARGIL VIJAY DIWAS	26/7/2020
4	ATMANIRBHAR BHARAT CAMPAIGN ON INDEPENDENCE DAY	15/8/2020
5	FIT INDIA FREEDOM RUN	

6	SWATCHATHA HI SEWA IN KOTTAMKARA PANCHAYAT	24/9/2020
7	AIDS AWARENESS PROGRAMME	25/9/2020
8	SWATCHATHA HI SEWA AT KOLLAM BEACH	2/12/2020, 3/1/2020
9	RASHTRIYA EKTA DIWAS PLEDGE	31/12/2020
10	SOCIAL MEDIA DRIVE ON CONSTITUTIONAL VALUES	26/11/2020
11	AWARENESS PROGRAMME ON NATIONAL INTEGRATION	26/1/2021
12	PLOGGING AT KOLLAM BEACH	13/4/2020
13	EXERCISE NCC YODAN	6//2020 TO 28//2020
14	QUIT INDIA RUN BY CADETS	9/8/2020



Swatchatha hi sewa in Kottamkara panchayat

National Service Scheme (NSS)

University of Kerala has allotted two NSS units at TKM college for the academic year 2020-2021, unit A and B (Unit No. KL-07-012 A and KL-07-012 B). Every academic year, hundred newly joined first year degree students will be enrolled as NSS volunteers and a total of 200 volunteers were enrolled, including second year students. The programme officers are

1. Dr. Latha B., Department of Biochemistry

2. Dr. M. A. Siyad, Department of Chemistry

Kottankara Grama Panchayat ward 1 and ward 2 are selected as adopted villages for NSS activities.

An advisory meeting of National Service Scheme was held on 10/12/2020. The decisions were taken in the meeting regarding NSS programmes are as follows.

a. The enrollment of the volunteers should be completed with immediate effect.

b. Applications for the NSS certificate and grace mark to the volunteers should be submitted to the university.

c. Rafeek, S3 B.Sc. Physics, was selected as the volunteer secretary from male volunteers.

d. Radhika, S3 B.Sc. Botany, was selected as the volunteer secretary from female volunteers.

List of NSS Activities 2020-'21

Sl.No.	Day	Programme	Venue
1	From May 26th to 5th June, 2020	Parithranam (Seven Day Sapling Drive)	At Volunteer's home
2	5th June 2020	Environmental Day Celebration	College Campus
3	17th June 2020	Pachathuruthu	At Volunteer's Home and College premises
4	19th June 2020	Vayanadinam (Reading Day)	Google meet
5	21st June 2020	Yoga Day	Google meet
6	19th June 2020	'Wariness'-Corona Virus Online Awareness Program	online
7	1st August to 31st August 2020	SMA Awareness Campaign	online
8	9th August 2020	Nagasaki Day- Online Poster Competition	online
9	15th August 2020	Independence Day Celebration	Google meet
10	27th August 2020	Disaster Management Class by Sannadhasena	online
11	5th September 2020	Teachers Day Celebration	Google meet
12	23rd September 2020	Volunteer Secretary Selection	Google meet
13	24th September 2020	NSS Day Celebration-Orientation Class	Google meet
14	24th September 2020	Teachers Day Celebration	Google meet
15	From 28th to 30th September 2020	State Level Online Training On Disaster Management	online
16	1st October 2020	National Blood Donation Day	Zoom
17	2nd October 2020	Gandhi Jayanthi	online



18	3rd October 2020	Plogging Run	At home and its premises
19	8th October	Covid Pledge	At home
20	October 15	Students Day	online
21	October 27	Students Day	online
22	October 31	National Unity Day	online
23	November 5	Haritha Campus Inauguration	TKMCAS Campus
24	November 11	Child Laws and Protection Workshop	online
25	November 14	Pre-RD Camp	KSMDB College
26	November 15	Diabetes Day and Childrens Day	online
27	November 20	Pre-Marital Counseling	online
28	November 26	Constitution Day	online
29	December 5	Volunteers Day	online
30	December 10	Human rights day	Google meet
31	December 15	Selection of First-Year Volunteers	TKM College auditorium
32	December 20	Special Camp (Mazhavillu) Inauguration	online
33	December 21	Camp Starting with Yoga Activities	Zoom
34	December 21	Shramadan Activities I	Students Home



35	December 21	A Class on 'Manifestation' By Dr. Krishna Kumar Followed By Cultural Activities	online
36	December 22	Shramadan Activities II	online
37		Class on NSS Experiences By Former NSS PO Class By Dr. Shaji E. on 'Water And Environment' and Cultural Activities	online
38	December 22	Class on NSS Experiences By Former NSS PO Class By Dr. Shaji E. on 'Water And Environment' and Cultural Activities	online
39	December 23	Cooking and Rain Water Harvesting at Home	Volunteer's Home
40	December 24	Field Survey by NSS Volunteers	Nearby Homes
41	December 24	Talk With Smt. K. Rekha, Kerala Sahithya Academy Winner	online
42	December 24	Class On Covid-19 by Dr. Sandhya , Deputy DMO	online
43	December 25	Hands on Training for Making Paper Bags and Masks	Online
44	December 25	Meet with Cine Artist-Pradeep Kottayam	Online
45	December 26	Closing Ceremony of On-line NSS Camp	Online
46	January 12	National Youth Day	online
47	January 23	Parakraman Divas	online
48	January 26	Republic Day Celebration	online

49	January 29	Blind Federation Office Cleaning	Polyathode
50	February 1	Palliative Care Training Camp	At home
51	February 4	World Cancer Day	online
52	February 11	Preparation of Farm Land For Farming and Agrostore Visit	TKMCAS Campus &KottamkaraMalsyafed
53	February 12	Haritha Campus Workshop	College auditorium
54	February 13	Sowing of Seeds & Planting Saplings	TKMCAS Campus
55	February 15	Pendrop Box	TKMCAS Campus
56	February 15	PRERANA 21: Leadership Camp	online
57	February 19	Founders Day	College seminar hall
58	February 21	International Mother Language Day	online
59	March 8	Women's Day	online
60	March 17	Palliative Care Programme	Kottamkara panchayat
61	March 22	World Water Day Celebration	TKMCAS Campus
62	March 31	Poshan pakwada Flashmob	Adventure park, Kollam

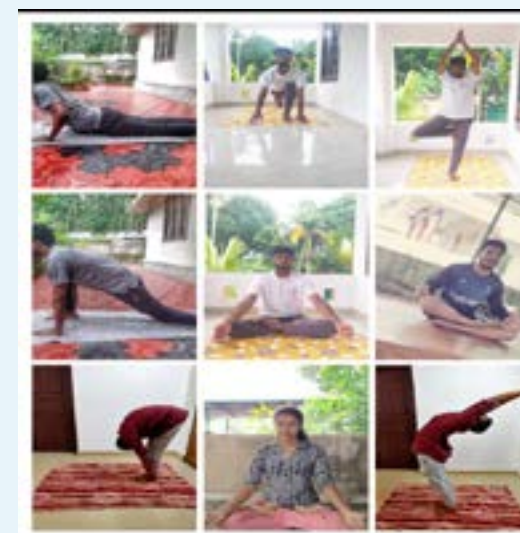
Indelible Moments captured by Camera



Principal E.Najeem planting sapling as part of environmental day celebration. NSS programme officer Dr. Latha B. is also seen



Programme Officer Dr. Latha B planting saplings



Practicing yoga individually at home as part of Yoga Day observance



Plogging Run-collecting plastic waste



Shramadan activities as part of camp



Cleaning camapign



Field Survey by NSS volunteers



Founder's day competition winners

Faculty Participation in FDP (2020-21)

Dr.M.J Sheeba	Online education in higher education institutions
JISHA M.S	Short term course in MOOC, E-content develop-ment and open educational resources
Dr.Latha B	Refresher course in life sciences
Soumya S.	Refresher course in life sciences
Dr. Ansil P. N	UGC Sponsored Online Faculty Induction Pro-gramme
Ajinza A	Refresher course in life sciences
Dr.Sumalekshmy	Advanced Pedagogical Techniques
Sherifa Rahim	UGC Sponsored Indcution Programme
Dr. Simimole H.	Induction Program
Dr. Anas S	FDP- Research Ethics and Characterisation Tech-niques in Materials Science
Dr. Siyad M.A.	Material Science
Dr. Tharun A. Rauf	Faculty Induction Programme
Ruksana Sulthana A.H	Women Entrepreneurs in plastic up-cycling
Dr. Shehnaz S R	Research Methodology
Thanseena Bai R	Ten Days Online International Skill Development Programme on Social Media Digital Marketing
Dr. Sulfiya Samad	Women Entrepreneurs in Plastic Upcycling
Jeena R	UGC sponsored Online Induction Programme
Dr. Shafana Shaffi	UGC Sponsored Online Refresher Course in English Literature and Language
Niza N	Faculty Induction Programme
Adersh V K	Learning Advanced E-tools for MOOCs Develop-ment & Research



Harilal N Thazhikkattuseril	4-Week Induction/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education
Dr.Mumthas Y	Informatics
Shajitha S.	20 day Learning Disability and Difficulty Management (LDDM) Online Workshop
Dr. Finser K Muhammed	Faculty Induction Programme
Dr. Aswathy M.R.	Learning advanced e tools for mooc course and research
Firoskhan A..	Ten Days Online International Skill Development Programme on Social Media Digital Marketing
Maheen M.	4-Week Induction/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education
Dr. Sulfia S. Santhosh	UGC Sponsored Induction Programme
Dr. Jasin Rahman. V. K	ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies
Najeem E.	UGC Sponsored online refresher course in human rights
Dr. Abdul Rahim M K	Refresher Course in Materials Science
Niyas S.M.	UGC Sponsored Refresher course in English Language and Literature
Safir T K	Pedagogical and E-Learning Tools for Teaching
Aparna L R	Managing Online Classes & Co- creating MOOCS 7.0
Dr P K Manoj	Managing Online Classes & Co- creating MOOCS 7.1
Dr.Boby.T.Edwi	A short term course in e-teaching with learning management system



Annual Report Committee

Niyas S.M.
Assistant professor of English (convenor)

Nizamudeen Ashique P.K.
Assistant Professor of Mathematics (Co-Convenor)

Dr. Thanooja Thaha
Assistant Professor of Hindi (member)



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