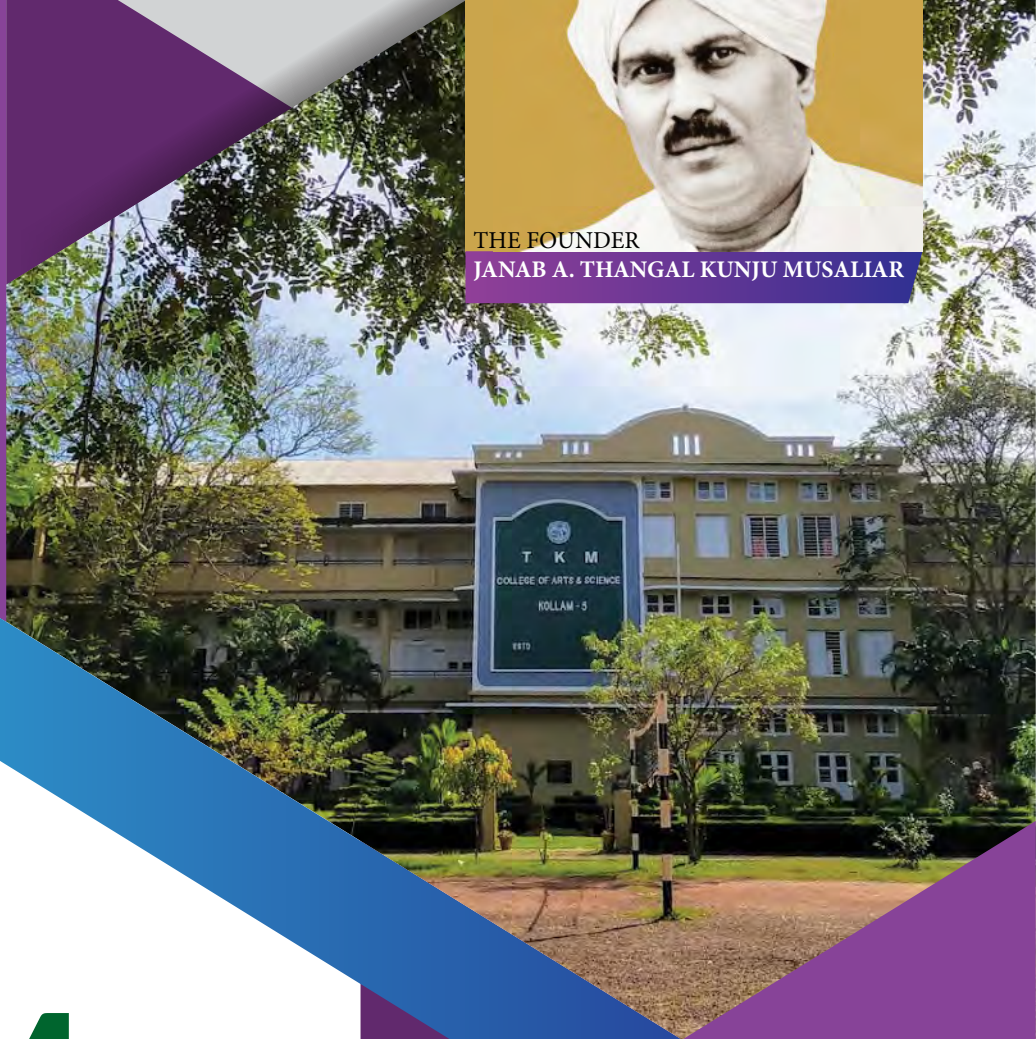




THE FOUNDER
JANAB A. THANGAL KUNJU MUSALIAR



T.K.M.

COLLEGE OF ARTS & SCIENCE

KOLLAM, KERALA

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

ANNUAL REPORT 2019 - '20



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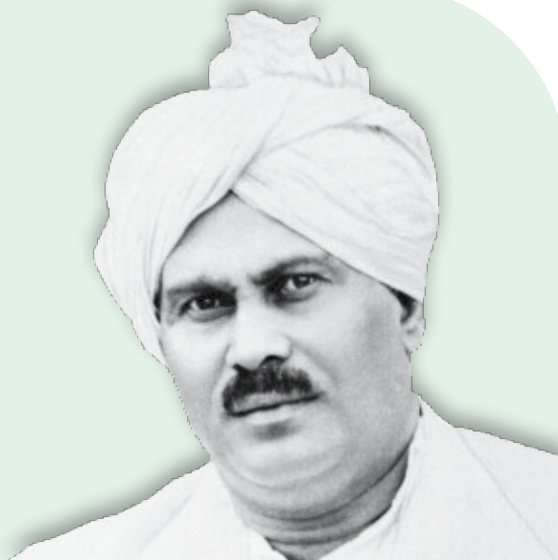
ANNUAL REPORT

2019-'20

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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 T.K.M. 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 intendant 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.

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

T.K.M. College of Arts and Science, the venerable citadel of learning envisioned and founded by Janab. Thangal 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

Dr. T.K. SHAHAL HASSAN MUSALIAR	PRESIDENT
JB. T. KAMALUDDIN MUSALIAR	MEMBER
JB. T.K. JALALUDDIN MUSALIAR	MEMBER
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
Dr. MOHAMED HAROON	MEMBER
JB. AFSAL MUSALIAR.J	MEMBER
JB. MOHAMMED ANWAR MUSALIAR	MEMBER

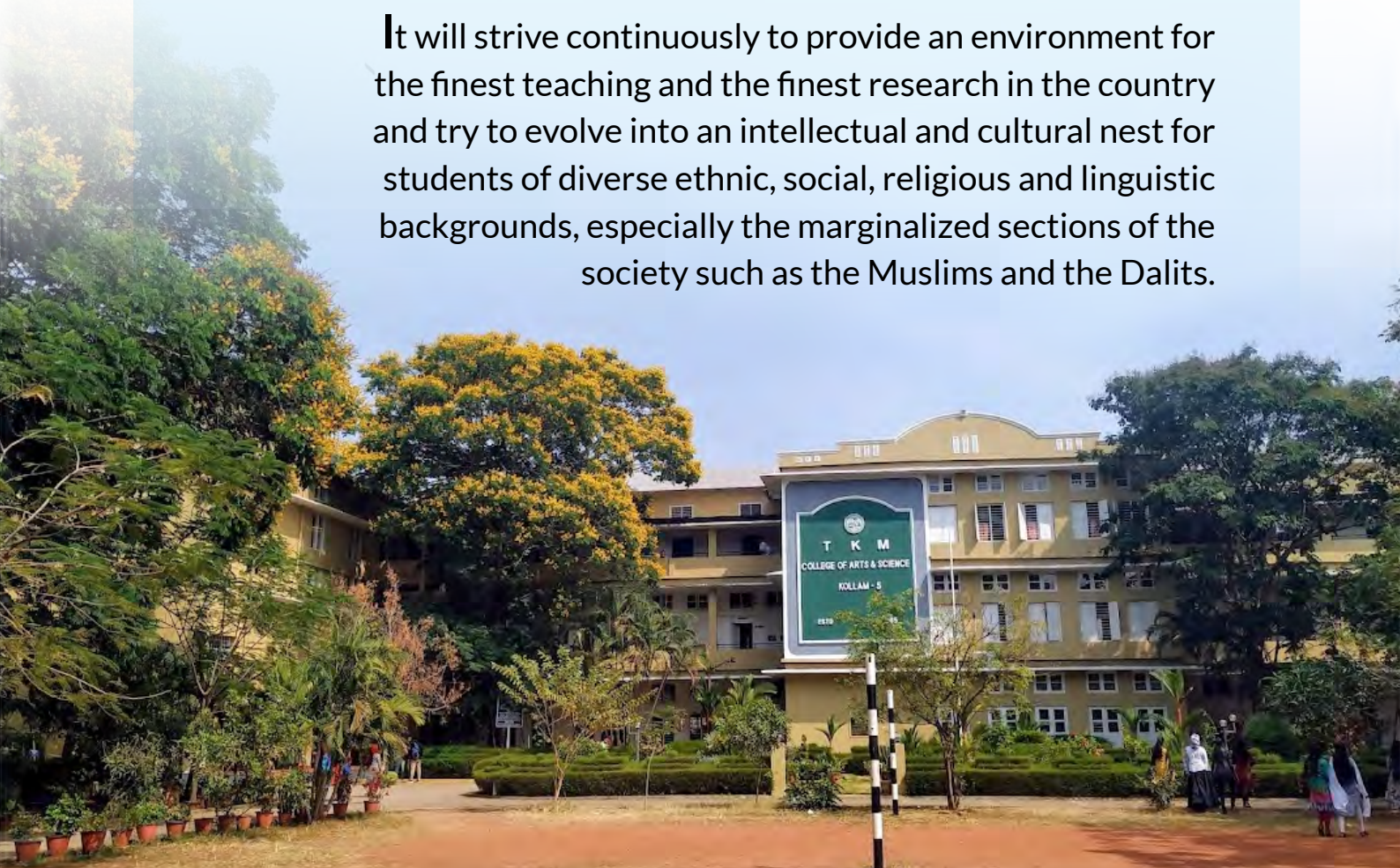


Vision

The vision of T.K.M. College of Arts and Science is to achieve supreme excellence in academic and nonacademic areas, without compromising on institutional responsibilities to the society as a whole, in particular to the socially and economically disadvantaged sections, with special reference to the region in which the college is located

Mission

It will strive continuously to provide an environment for the finest teaching and the finest research in the country and try to evolve into an intellectual and cultural nest for students of diverse ethnic, social, religious and linguistic backgrounds, especially the marginalized sections of the society such as the Muslims and the Dalits.



T.K.M. College of Arts & Science

T.K.M. College of Arts and Science, established in 1965 by the Founder Late. Janab A. Thangal Kunju Musaliar, is an acclaimed citadel of learning in the city of Kollam. Re-accredited by NAAC in 2013 with an 'A' Grade, which bears testimony to its potential for excellence, the institution today commands an unparalleled prestige in the academic community.

Right from her inception, the Arts and Science College has earned a renown for discipline and academic eminence. Utmost care is taken to impart quality education. In addition, the college gives paramount importance to character formation and holistic development of the students. The diligence and enthusiasm evinced by the academic fraternity of the college help the students realise their aspirations. The enormous number of students who pass through the portals of this institution adorn numerous meritorious positions in life and this testifies to the unique distinction the institution has sculpted out for herself.

Life at T.K.M.CAS is a rewarding experience for the student community. The bustling and vibrant campus is consonant for extracting the quiescent academic, artistic, cultural, literary and creative talents of the students. We groom a community of luminaries for a future firmament. The campus has students from all sections of the society and it is focused on meeting their diverse needs.

The core values upheld by us are honesty, moral righteousness, compassion for the fellow beings, faith in the Supreme and above all, a relentless pursuit of academic excellence through dedication and hard work. Learning, sharing and caring are our watchwords. The college aims at the creation of a community of students empowered and equipped with knowledge, skills and values, who would contribute effectively to nation building. We groom young men and women to make

them capable of becoming agents of transformation and progress at different walks of life.

Presently, we have ten UG programmes and six PG programmes under the regular aided scheme. There are three research centres functioning in the institution. Our various add-on and continuing education programmes give our students adequate exposure to different disciplines and enhance employability.

Social Service/Extension activity 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 T.K.M.CAS, 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. Among its many recent firsts, T.K.M.CAS has been re-accredited by the NAAC with an 'A' Grade. The college has a glorious history of 50 years of academic opulence and celebrated its one and half year long golden jubilee in a befitting and indelible manner. Passing its golden jubilee, this citadel of knowledge is still engaged in moulding the posterity.



**Dr. Smitha P.G.**

Principal

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 acme 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 10 UG and 6 PG programmes as detailed below. The departments of Chemistry, Physics and English are Kerala University approved research centers. UGC sponsored career oriented courses (Add-On-Courses) are conducting for regular students.

UG Programmes

- B.Sc. Mathematics
- B.Sc. Physics
- B.Sc. Chemistry
- B.Sc. Biochemistry
- B.Sc. Botany
- B.Sc. Zoology
- B.A. English Language & literature
- B.A. Islamic History
- B.Com Finance
- B.Com Computer Application

PG Programmes

- M.Sc. Mathematics
- M.Sc. Physics
- M.Sc. Chemistry
- M.Sc. Biochemistry

- M.A. English Language & Literature
- M.Com (Finance)

Research Centres (Ph.D Programmes)

- Physics
- Chemistry
- English

Recognised Research Guides of the Institution

- Dr. A. Raghu (English)
- Dr. E.Krishnan Namboothiri (English)
- Dr. Sawpna Gopinath (English)
- Dr. B. Harikumar (Chemistry)
- Dr. S. Sumalekshmy (Chemistry)
- Dr. S.Anas(Chemistry)
- Dr. Abdul Rahim M.K.(Chemistry)
- Dr. Bobby.T. Edwin (Botany)
- Dr. A. Shershah (Physical Education)
- Dr. Sheena Marry (Physics)
- Dr. Najitha S. (Physics)
- Dr. Krishna Kumar (Physics)
- Dr. Indulal C.R. (Physics)
- Dr. P.K.Manoj (Physics)





Continuing Education Courses University / Government

- Certificate in Library and Information Course (CLISc)
- PG Diploma in Counselling (PGDC)

Courses Offered by State Resource Centre (SRC) Affiliated to national Skill Development Centre

- Professional Diploma in Mechanical and Automobile Engineering
- Professional Diploma in fashion Technology

Competitive Training Programmes

- Coaching class for UGC/CSIR Examination for JRF/Lectureship

Scholarships Offered by the Institution

- Professor A. Hussain Memorial Scholarship
- Bini Endowment Scholarship
- Scholarship by Former Students Associations.
- Prof. P.L. Mariam Retirement Memorial Endowment.
- Prof. Ancil Francis Retirement Memorial Endowment
- Prof. E. Mathew Retirement Memorial Endowment
- Prof. S.P. Yusuf Rawther Retirement Memorial Endowment
- Prof. K. Velayudhan Nair Retirement Memorial Endowment Scholarship.
- Prof. K. Mukundan Retirement Endowment Scholarship
- Prof. H.M. Kassim Sait Memorial Endowment Scholarship
- Janab T.A. Sayed Muhammed Memorial Endowment
- Alumni Scholarship
- Management Scholarship

Facilities in the College

- Modern buildings with excellent class rooms
- State of art library
 - With above 6000 e journals
 - Access to N-LIST of infibnet and wide range of online databases
 - Online book renewal system
 - Online document delivery service (ODDS)
 - Mobile public access catalogue (MOPAC)
- ICT enabled class rooms
- Installed Optical Fiber Technology
- Campus Wi-Fi enabled with free connectivity
- Olympic standard swimming pool
- Vibrant training and placement cell
- A college with campus recruitment - MRF, Federal Bank, Infosys, TCS and Wipro Employability Centre under Government of Kerala which conducts mega job fair in the college
- The college has 2 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.
- Optical fiber connectivity and Wi-Fi facilities have been enabled in our campus since 2015.
- Power transformer and power generator were installed in our campus for uninterrupted power supply.

Tie-Up and Collaboration

- College has tie-up with Higher Education Department, Govt of Kerala for imparting skill development – ASAP
- College has tie-up with Continuing Education, Government of Kerala for job-oriented courses
- College has tie-up with CACEE, University of

Kerala for conducting continuing- education courses

- Kerala Resource Centre affiliated to National Skill Development Institution – Skill based job oriented courses

Alumni Association

The college has an active and committed Alumni Association. It helps the alumni to keep in touch with their alma mater. It extends financial help to needy students.

Former Students Day is celebrated on November 1st every year. T.K.M. Alumni chapter has been opened in Cochin too as part of the larger drive to co-ordinate the activities of the Alumni Association in all districts of the State.

The Alumni Association opened its Gulf Chapter in 2017. It is planning to extend its activities to European countries as well in the upcoming years. A short report on the alumni activities has been included in the Major Events section of this report.

Parent Teacher Association

All teachers of the college and guardians of the students of the institution are members of the PTA. The main objective of the PTA is to promote a cordial relationship and close interaction among teachers, students and their guardians. Apart from campus maintenance, P.T.A fund is also used for the purpose of dispensing salary for Guest Lecturers and contingency staff.

Prof. E.Najeem was the Secretary of PTA during the academic year 2018-19 and Prof. S. Shajitha, Principal of the college, was the President.

The Executive Committee of the PTA during the Academic year includes Sri. Mohammed Najeem, Sri. S. Krishnakumar Unnithan, Sri. Abdul Latheef T. and Smt. Haseena. Representatives of teachers during the academic year are Dr. Bobby T. Edwin, and Prof. Narayana Prasad.

* * *



Publication of the Multidisciplinary Journal

T.K.M. Arts College International Journal for Multidisciplinary Research (TIJMR) is a bi-annual journal for multidisciplinary research published by T.K.M. College of Arts and Science, India. The journal publishes peer reviewed original research papers in Science, Humanities, Management, Commerce and Literature. TIMJR also publishes special issues

focusing on advances in specific areas and proceedings of select high quality conferences.

All articles, opinions and commentaries, letters and book reviews published in TIJMR are in consonance with the standards of International Journals. The journal of the current academic year is on print.

RANK HOLDERS DURING THE ACADEMIC YEAR 2019-2020

The dedicated and industrious faculties and the proficient administrative wing of the institution are able to take students to the skies of academic

excellence.

The following students are the rank holders of the academic year 2019-2020



Nanditha B.
Chemistry (PG)
(Kerala University - First Rank)



Sruthy T.R.
Chemistry (PG)
First Rank, Kerala University)



Henal S.A.
Biochemistry (PG)
Second Rank, Kerala University)

Certificate Courses Offered (2019-20)

Department	Name of certificate course	Number of students admitted
Biochemistry	First Aid	73
	Lifestyle disorders and Management	27
	Nutrition and Food Safety	9
Botany	Nursery management	42
Chemistry	Food Chemistry	14
	Kitchen Chemistry	39
	Instrumental Methods of Analysis and Separation Techniques	37
	Reagents in Organic Synthesis	15
Commerce	Performance Appraisal	106
	Certificate Course in Business Ethics	121
	Certificate Course in GST	106
	Certificate Course in Digital Marketing	26
English	Translation Studies	18
	Soft Skills	63
	Enlightener	58
	Writing for Media	62
Islamic History	Certificate Course in Archeology	44
Mathematics	Formal Languages and Automata Theory	73
	Dynamic Mathematics Using Geogebra	42
	Fascination of Groups	23
	Mathematical Thinking	40
Physics	Google Plugins	43
	Digital Typography Using LATEX	52
	Introduction to C++ Programming and Data Analysis	41
	Nanomaterial Characterization Techniques	13
Zoology	Ornamental Fish Culture	41



Young Innovators Programme (YIP)

YIP is a flagship programme under the Kerala Development and Innovation Strategic Council (K-DISC) to promote a culture of innovation among the youth of Kerala. The motto of the programme is "Igniting the Innovative Minds of Kerala". YIP is open to students/youth in the wide age range of 13 years to 35 years, which includes students from schools, ITIs, Arts and Science colleges, Polytechnic, Medical and Engineering institutions. It is designed as an institution-based program with a Hub and Spoke Model. T. K. M. College of Arts and Science has been a part of this novel initiative since 2019; the college is registered in the YIP portal paving way for our students to participate in the YIP Challenge which began in 2018.

The functioning of the college-level YIP activities is co-ordinated by the YIP Nodal Officer/Facilitator with the help of two other facilitators. One of the preliminary tasks of the YIP facilitators is the dissemination of information regarding the various initiatives undertaken by the YIP and K-DISC as well as to identify and encourage students to participate in the annual editions of the YIP Challenge. Since 2019, students from T. K. M. College of Arts and Science has participated in the YIP Challenge with many ideators/

ideas being shortlisted at the district and state level.

YIP Details

- Institutional ID – 12303
- Nodal Officer/Facilitator– Harilal N. T. (Assistant Professor, Department of Mathematics)
- Facilitator – Dr. P. K. Manoj (Assistant Professor, Department of Physics)
- Facilitator – Dr. Sulfia S. Santhosh (Assistant Professor, Department of English)
- YIP 2019 State-level Winners
- Idea No. 573
- Idea – Prevent capsizing of boat
 1. Suhana Siraj (B Sc Chemistry)
 2. Devika Rani (B Sc Physics)
 3. Razeena Rasheed (B Sc Chemistry)

The students were felicitated on the First Kerala Innovation Day inaugurated by the Chief Minister at Jawahar Sahakarana Bhavan, DPI Junction, Jagathy, Thiruvananthapuram on 23 January 2020.

Online FDP on 'Importance of Environmental Consciousness and Susceptibility in Accreditation of Higher Educational Institutions'

Department of Biochemistry in association with Internal Quality Assurance Cell (IQAC), T. K. M. College of Arts and Science (TKMCAS), Kollam organized a one-day national online seminar on 'Importance of Environmental Consciousness and Susceptibility in Accreditation of Higher Educational Institutions' on 29th May 2020. The idea behind such a venture was to equip the teachers in enhancing our intimacy and knowledge about the environment around us and its preservation in the post-pandemic context of virtual classrooms. This topic will be useful for our NAAC Accreditation especially for Criterion 7. Prof. Priya Josson Akkara, Assistant Professor of Biochemistry, Department of Life Sciences, Kristu Jayanti College, Bengaluru was the resource person.

The online seminar hosted on Google Meet began with a brief inaugural session at 2.00 pm on 29.05.2020. Dr. Latha B, HOD of Biochemistry welcomed the Principal, the resource person, and the participants to the virtual session. The Principal Prof. E. Najeem delivered the inaugural address. After the inaugural session, the resource person talked to the participants on the necessity of environmental consciousness, vermi composting, preparation of green audit, necessity of ramp in a campus etc. The session was very informative and useful to participants.



T.K.M. College of Arts and Science
Kollam, Kerala
www.tkmcas.ac.in

Internal Quality Assurance Cell
In association with the
Department of Biochemistry

Online FDP on
'Importance of Environment Consciousness and Sustainability in Accreditation of Higher Educational Institutions'

Resource Person:
Prof. Priya Josson Akkara
Kristu Jayanthi College,
Bangaluru

Registration Link: <https://forms.gle/VLxRJSnf6z8Hy7p17>

Date: 29/05/2020 (Friday)	Time: 2.30PM	E-certificate will be provided
--	------------------------	---

For more details: tkmartsiqac@gmail.com
Ph: 7561098774

Last date for registration: 28/05/2020
Registration is accepted on a first come first served basis



Prof. Priya Josson Akkara during her address

Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education



T.K.M. COLLEGE OF ARTS AND SCIENCE
Kollam - 5
www.tkmcas.ac.in

Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education

19-26 May 2020



Resource Persons

 Dr. E. Prasad Professor, Department of Chemistry and Core team member of teaching & Learning Centre, IIT Chennai	 Dr. Finser K. Muhammed Assistant Professor, Department of Islamic History, T.K.M. College of Arts and Science, Kollam-5
 Dr. Mohammed Salim Assistant Professor, Department of Physics, T.K.M. College of Arts and Science, Kollam-5	 Dr. Ansil P.N. Assistant Professor, Department of Biochemistry, T.K.M. College of Arts and Science, Kollam-5

- Day 1**
Dr. E. Prasad
Assessment on Learning Outcomes
- Day 2**
Dr. E. Prasad
New Teaching Methods
- Day 3**
Dr. Finser K. Muhammed
Google Classroom and Google Meet, Hands on Training
- Day 4**
Practical Session
Uploading content in the Classroom and Creating YouTube Videos
- Day 5**
Dr. Mohammed Salim
Introduction to Moodle
- Day 6**
Assignment Submission
- Day 7**
Dr. Ansil P.N.
Adding a new course in Moodle

Internal Quality Assurance Cell (IQAC), T. K. M. College of Arts and Science (TKMCAS), Kollam organized a One-Week Faculty Training Programme on Addressing Paradigm Shift from 19th to 26th May 2020. The idea behind such a venture was to equip the teachers to reconsider their teaching methodologies in the post pandemic context of virtual classrooms as well as to aid them in the formulation as well as assessment of learning outcomes.

Considering the relevance of the topic, the organizers approached an expert in the area, Dr. E. Prasad, core member of the Teaching-Learning Centre, IIT Madras (who is also a distinguished professor in the Department of Chemistry).

The brochures for the programme were circulated among faculty members from various institutions

inside and outside the state. The IQAC received over a thousand request for registrations. However, considering the restrictions imposed by most virtual platforms, it was decided to limit the number of participants to 250.

The online programme hosted on Google Meet began with a brief inaugural session at 2.30 pm on 19.05.2020. Dr. Sumalekshmy S. (IQAC Co-ordinator, TKMCAS) welcomed the Principal, the resource person, and the participants to the virtual session. The Principal Prof. E. Najeem delivered the inaugural address. After the inaugural session, Dr. E. Prasad, the resource person, talked to the participants about the various nuances of formulating and assessing learning outcomes with specific mention of Course Outcome, Programme Outcome and Programme Specific Outcome. The first session ended at 4.15 pm.

On 20.05.2020, the second day of the training programme also began at 2.30 pm and Dr. E. Prasad continued with the session. He spoke for an hour about the new teaching methodologies like flipped class, blended approach etc. which can be used for enhancing the teaching-learning process. Dr. Prasad kept the participants engaged and interested during both the sessions as he was constantly asking them to respond to his propositions and encouraged questions. The participants had the option of asking questions in the chat box on the Google Meet platform which the resource person answered in real time. The organizers collected feedback at the end of the first as well as second day of the online seminar from all the participants.

Training and practice sessions to the faculties of the college to equip them with the online education tools began from the third day onwards. The first session was handled by Dr. Finser K. Muhammed, Assistant Professor, Department of Islamic History, T.K.M. College of Arts and Science, Kollam. He dealt with the practical aspects and gave ample hands-on training on creating Google Classroom and Google Meet. He managed to engage the participants throughout the programme.

The fourth day witnessed another vibrant presentation by the same speaker, Dr. Finser K.

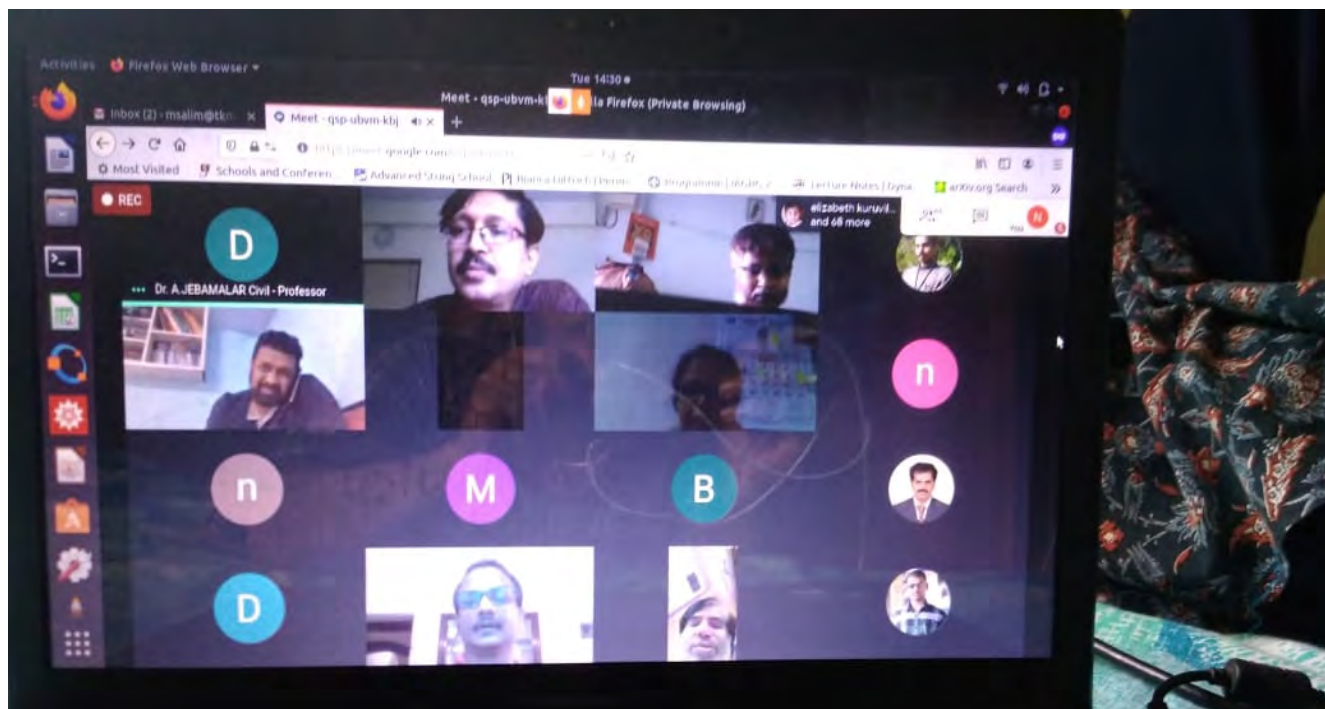
Muhammed. It was a practical session to train the participants how to upload contents in the Google Classroom and how to create YouTube videos.

On the fifth day Dr. Mohammed Salim, Assistant Professor, Department of Physics, T.K.M. College of Arts and Science, gave an introductory lecture on Moodle which familiarised the faculties about the moodle platform and the way in which courses can be arranged in the platform.

On the sixth day, the participants were given hands on training on enrolling students and adding contents in the platform. Later, they were asked to submit the assignments based on the given topics.

On the final day, Dr. Ansil, Assistant Professor, Department of Biochemistry, T.K.M. College of Arts and Science, gave the participants an elaborate idea of the usage of various options provided in the platform like adding quizzes, assignments and reference materials. He also managed to explain all the necessary concepts associated with Moodle as well as to clear all the doubts of the participants.

This programme thus opened up a plethora of opportunities for all the participants who attended the programme. It was concluded on the seventh day at 1 pm with a formal vote of thanks by Dr. Sumalekshmy S., the IQAC convener.



Screenshot of the lecture delivered by Dr. E. Prasad

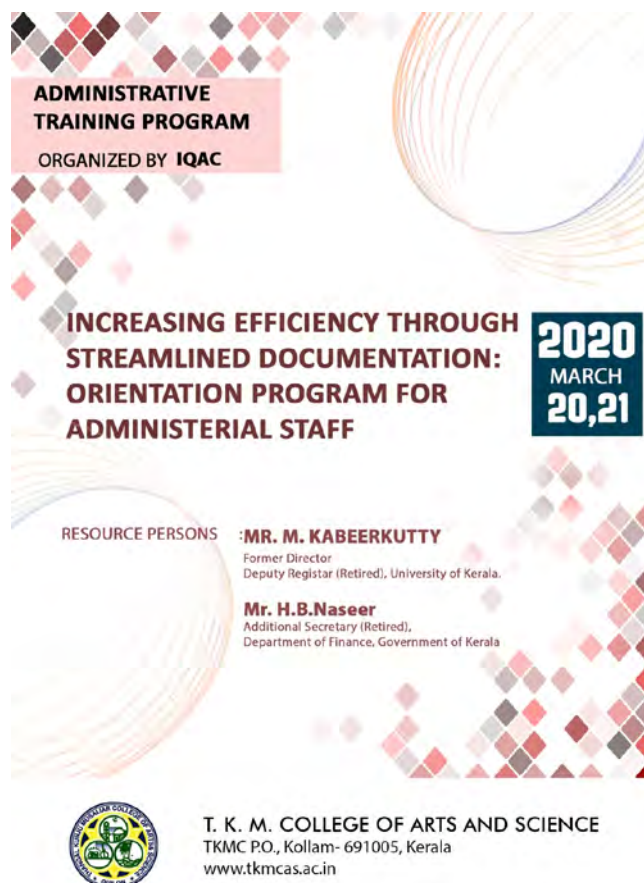
Increasing Efficiency through Streamlined Documentation: Orientation Program for Administerial Staff

With an aim to help employees increase productivity and develop strong job satisfaction, the IQAC of the college organized a Two-Day Workshop on 'Increasing Efficiency through Streamlined Documentation: Orientation Program for Administerial Staff'. As part of the Administrative Training Programme, the workshop was held in the college Seminar Hall on the 20th and 21st of March 2020. The resource persons were Mr.M.Kabeerkutty, Former Director, Deputy Registrar (Retd.), University of Kerala and Mr.H.B.Naseer, Additional Secretary (Retd.), Department of Finance, Government of Kerala.

The IQAC member, Dr.Ansil P.N.gave the welcome address. The vice principal, Prof.Najeem E. chaired the programme on behalf of the Principal of the college. He spoke of the need and benefits of streamlining documents, and the Chief Librarian, Dr.Musthafa K. expressed his presumption that proper documentation would attract the users to make effective use of the resources and services of the libraries.

Mr.M.Kabeerkutty, on the first day introduced the learners to the scope and essentiality of documentation. The learners understood the need for a document management strategy to help the institution function efficiently and productively. Mr. H.B. Naseer trained the staff to use tally for managing and storing data.

The second day was relatively activity-oriented where all the participants were given tasks on streamlining document overflows as well as on making the employees' communication more effective with powerful softwares. The workshop ended with the participants' realization that streamlining would enable them to provide superior service with improved outcome. The dedication and commitment of the resource persons combined with the enthusiasm of the learners made the workshop a brilliant success.



Mr. M. Kabeerkutty and Mr. H.B. Naseer lead the programme

Cardinal Rules of Saving a Life - One Day Workshop on Basic Life Support



Dr. Anoop Ajit during the programme

Internal Quality Assurance Cell (IQAC) of T.K.M. college in association with Department of Biochemistry successfully conducted a One-Day Professional Development Program on 'Cardinal Rules of Saving a Life' on 10 March 2020. The programme was inaugurated by the Principal of the college, Dr. Smitha P. G. followed by an introductory talk by the Head of the Department of Biochemistry. The resource person of the event, Dr. Anoop Ajit, Assistant Professor, Department of Shalya Tantra, S.N. Institute of Ayurvedic Studies and Research, Puthoor emphasized the paramount role of sticking on to certain rules for a successful life. It included talks

on life-saving rules, Zero Harm concept, popularity of Ten Commandments and so on. The lecture was beneficial and it provided an insight on the topic in detail.

The programme wrapped up at 1 pm with a concluding remark by the IQAC Convener. Following it, discussions were held among the participants. On the whole, the programme received a lot of positive feedback from the participants as they experienced a beneficial academic environment and it paved the way for them to develop interest in 'Basic Life support' techniques.

FDP on Accounting Standards

In collaboration with Internal Quality Assurance Cell, Department of Commerce, TKM College of Arts and Science, Kollam conducted a One-Day Workshop on Accounting Standards. The event was inaugurated by the Principal Dr. Smitha P. G., Head of the Department, Prof. Ruksana Sulthana presided over the event. Shibu Gopi, a leading Cost Management Accountant (CMA) was the resource person. IQAC Co-ordinator, Dr. Sumalekshmy S. delivered vote of

thanks. Eight faculty members participated in the programme.



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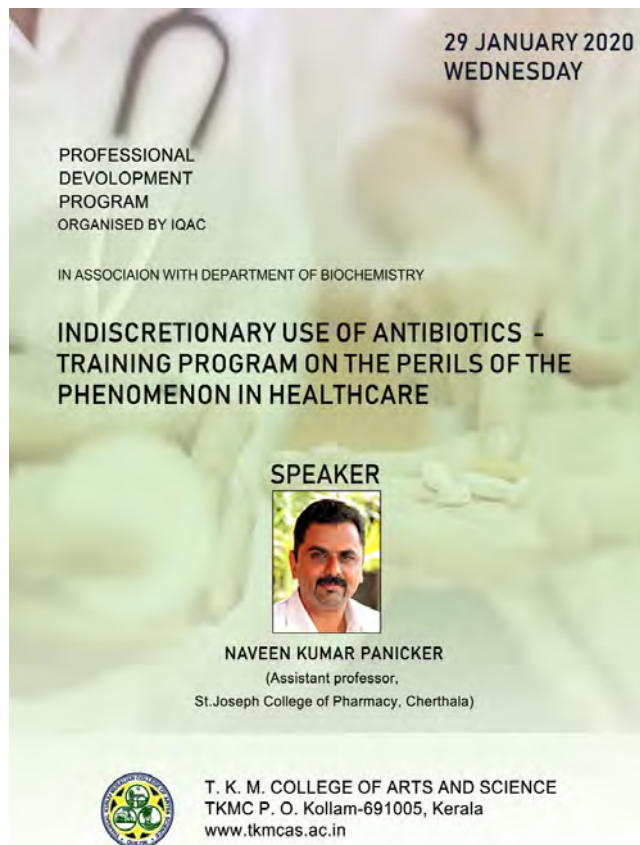


Mr. Shibu Gopi handles the session

Indiscretionary Use of Antibiotics - Training Program on the Perils of the Phenomenon in Healthcare

A Professional Development Programme was jointly organized by the Internal Quality Assurance Cell and the Department of Biochemistry of the college on 29 January 2020 at the college seminar hall on 'Indiscretionary Use of Antibiotics - Training Program on the Perils of the Phenomenon in Health Care'. In this one-day Professional Development Programme various topics were discussed in detail by the eminent speaker Mr Naveen Kumar Panicker, Assistant Professor, St. Joseph's College of Pharmacy, Cherthala. The programme started with the inaugural speech by the principal of the college, Dr Smitha P G followed by an introductory remarks by the IQAC Convener.

The resource person stressed on the key terms like anti biotic resistance, Robust National Action Plan, Global Action Plan and so on. He also explained why the world urgently needs to change the way it prescribes and uses antibiotics. The programme concluded with a group discussion among the participants. Around 40 people participated in the programme. IQAC convener conveyed vote of thanks.



Naveen Kumar panicker delivers the speech



Faculty members participating in the programme

National Science Day Celebrations in collaboration with KSCSTE



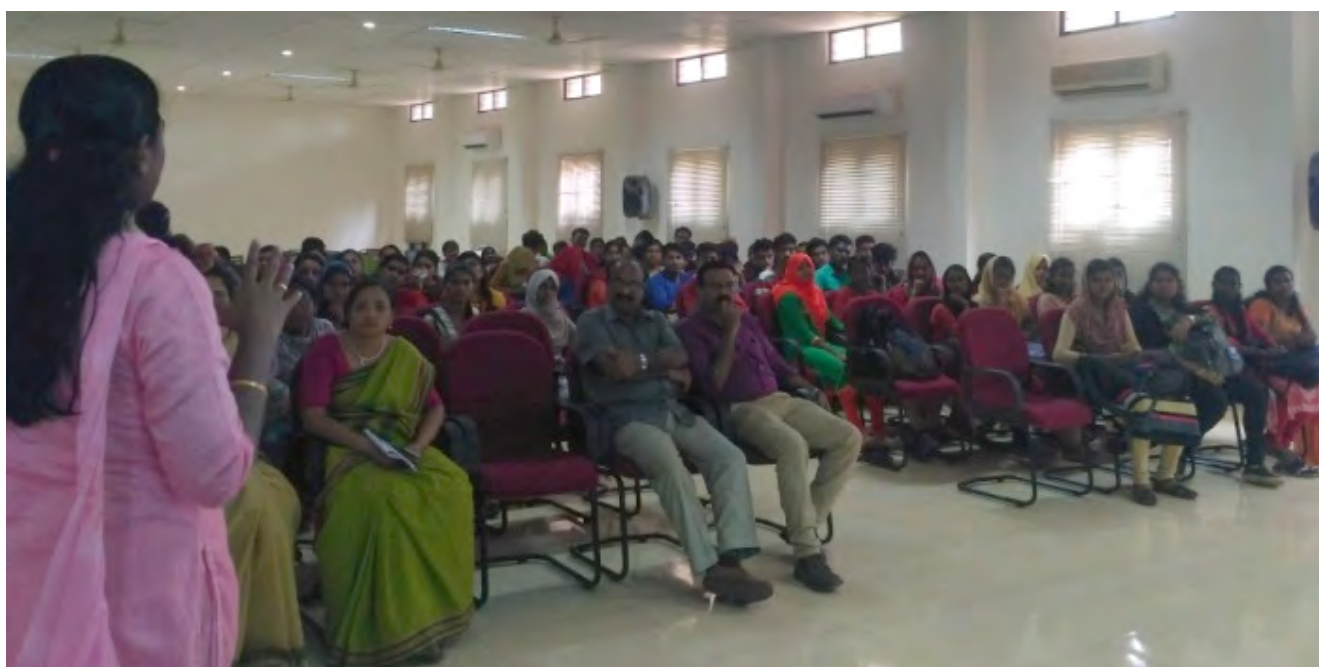
National science day celebrations-2019 was jointly organized by the Science Club, Physics Forum, Department of Physics and Department of Chemistry with the financial support from the Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram and DST, Govt. of India. As per the guidelines of KSCSTE, the event was conducted on February 27-28, 2019 on the focal theme Communicating Science for All. Part of the event was vivid academically oriented at the same time attention-grabbing programmes such as inter collegiate science quiz competition, troll competition on basic science notions and science film screening.

The programme was inaugurated by Dr. Pramod Dominic, U.C. College, Aluva. He also delivered the first invited lecture on The Unreasonable Effectiveness of Mathematics in Natural Science. The second invited lecture was delivered by Dr. Deepa Janardanan

Central University of Kerala, Kasaragod on Computational Chemistry. Principal of the college Shajitha S., Dr.B.Harikumar, HOD, Chemistry, N.K.Sajna, HOD, Physics, Safir T.K., Assistant Professor of Physics and Prof. Hashimudeen A., Liaison Officer, TKMCAS, addressed the gathering.







International Conference on Energy and Environment (iCEE 2k19)

12-14 December 2019

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Type	Category	Before 15 th November, 2019	After 15 th November, 2019
Indian (INR)	Research Scholars	2000	2500
	Faculty	3000	4000
	Industry Delegate	3000	4000
Foreign (INR)	Academic Group (in Progress)	7000	10000
	Research Scholars	7000	8000
	Faculty	7000	9000
Industry Delegate		10000	11000

For registration and abstract submission, please log on to our website: www.icee2k19.org. The articles submitted on full paper will be reviewed (blind peer review) and the selected papers will be published by renowned national and international publishers (indexed in databases including Web of Science and Scopus).

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 Bank: State Bank of India
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 Address: Munnthar Complex, Kariakod, Kollam
 IFSC Code: SBIN0070870
 SWIFT Code: SBININBB
 Branch Code: 70870

POST CONFERENCE TOUR

Post conference tours to nearby tourist places such as Kovalam beach, Ponnudi, Palaruvi Waterfalls, Ashtamudi Lake, Jatsayu Earth Centre, Thendral Ecotourism Spot, Backwaters in Kollam and Alleppey, Kumarakom Bird Sanctuary and other may be arranged after the event for interested delegates on request. However, travel, boarding, and lodging expenses are to be borne by the delegates joining the tour.

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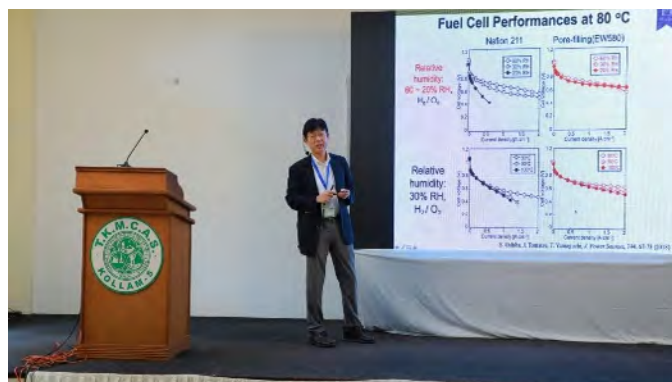
T.K.M. College of Arts and Science proudly hosted an International Conference on Energy and Environment on 12th -14th December 2019. This international event was jointly organized by the departments of Chemistry, Physics and Mathematics. The aim of the conference was to provide a platform for researchers, faculties, engineers, academicians, technologists, scientists, industrialists, environmentalists, and experts to showcase their novel research in the field of energy and environment. The important thematic concerns of the conference were renewable energy, advanced technologies, advanced functional materials, thin films, fuels and combustion and sustainable environment.

The Conference started with an inaugural session comprising of more than thousand people from academic, research and industrial fields. The welcome address was made by the college Principal, Dr. Smitha P.G. The Presidential address was delivered

by the honourable Chairman of the TKM Trust, Jb. Dr. Shahal Hassan Musaliar. The conference theme was introduced by Prof. Suresh C Pillai, Institute of Technology, Sligo, Ireland. The inaugural address was given by Smt. J. Mercykutty Amma, Minister for Fisheries, Harbour Engineering and Cashew Industry, Govt. of Kerala. Prof. Takeo Yamaguchi, Tokyo Institute of Technology, Japan gave the key-note address. The abstract book was released by Dr. G.M. Anil Kumar, Noritake Company Limited, Japan. Professor Paula M Vilarinho from the University of Aveiro, Portugal accepted the abstracts. Dr. M. Haroon, TKM Trust member, Professor Muhamed Hasbi Abd' Rahim and Professor Rajan Jose from the University of Malasia, Professor Takanori Tamaki from the Tokyo Institute of Technology, Japan and Sri. M. Noushad MLA made felicitations. The dignitaries were honoured by the TKM trust treasurer, Jb. Jalaluddin Musaliar and the TKM trust member, Jb. Jamaluddin Musaliar.



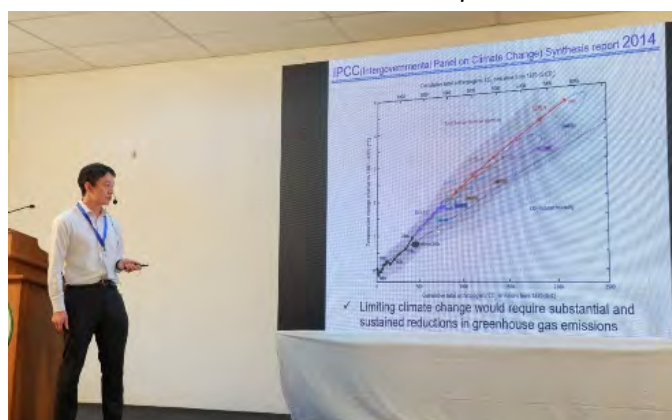




1. Prof. Takeo Yamaguchi, Tokyo Institute of Technology, Japan



2. Dr. Gopinathan M. Anilkumar, Noritake Co., Ltd., Japan



3. Dr. Takanori Tamaki, Tokyo Institute of Technology, Japan



4. Prof. Suresh C Pillai, Institute of Technology, Sligo, Ireland





5. Prof. Paula M Vilarinho, University of Aveiro, Portugal



6. Prof. Rajan Jose, Universiti Malaysia Pahang, Malaysia



7. Dr. Balagopal N. Nair, Noritake Co., Ltd., Japan

RSC Best Paper Awards:- For Oral and Poster Presentations

The Royal Society of Chemistry supported the iCEE 2k19 International conference with six RSC awards. The best three orally presented papers were awarded with 100 pounds each, besides citation by

the Royal Society of Chemistry.

The Royal Society also provided an award of 50 pounds each for the best three posters, in addition to citation.



ERUDITE: Scholar in Residence Programme



Prof. Suresh C. Pillai obtained his PhD from Trinity College Dublin and postdoctoral research from California Institute of Technology (Caltech), USA. He then joined at CREST-DIT as a Senior Scientist in April 2004. He has joined IT Sligo in 2013 as a senior lecturer in nanotechnology and currently heads the Nanotechnology and Bio-Engineering Research Group. He is an elected fellow of the UK's Royal Microscopical Society (FRMS) and the Institute of Materials, Minerals and Mining (FIMMM).

He was the recipient of 'the 2019 Boyle-Higgins Award' from the Institute of Chemistry Ireland. He is also a recipient of the 'Industrial Technologies Award 2011' for licensing functional coatings to Irish companies. He was also the recipient of the 'Hothouse Commercialisation Award 2009' from the Minister of Science, Technology and Innovation and also the recipient of the 'Enterprise Ireland Research Commercialization Award 2009'. He is the national delegate and technical expert for ISO standardization committee and European standardization (CEN) committee on photocatalytic materials.

He has published several scientific articles in leading peer reviewed journals has contributed to several book chapters, has presented in more than fifty international conferences and has delivered over forty international invited talks. He is the lead inventor in two granted US patents (awarded in 2013 and 2015) and one UK patent (awarded in 2015) and a number of international patents (pending). His research work was featured in various international media such as BBC World, BBC London, RTE-1 TV and in a number of national and international print media (Times UK, The Guardian, Irish Times etc). He is an editor for the journal Environmental Science and Pollution Research (ESPR, Springer) and Editorial Board Member for the Chemical Engineering Journal and Applied Catalysis B (Elsevier).



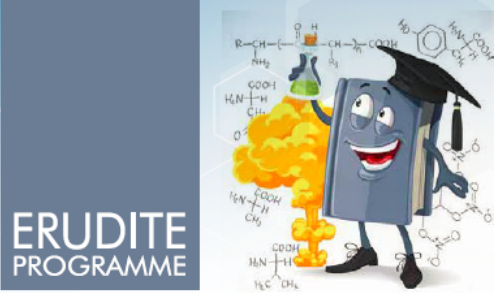
**THE ERUDITE
SCHOLAR-IN-RESIDENCE PROGRAMME**

Organized by :
**PG & RESEARCH DEPARTMENT OF CHEMISTRY
T.K.M. COLLEGE OF ARTS & SCIENCE, KOLLAM**

Lecture Series by :
Prof. Suresh C. Pillai
Institute of Technology, Sligo, Ireland.

11,12,13,18 & 19th December 2019

Sponsored by :
KERALA STATE HIGHER EDUCATION COUNCIL



**ERUDITE
PROGRAMME**

Even though many post graduate and research programmes are frequenting the universities and different colleges, the students and faculties of our state are not receiving opportunities to interact with Nobel Laureates and eminent scholars who are recognized worldwide.

Keeping this in mind, Kerala State Higher Education Council has initiated Erudite-Scholar-in-Residence Programme. This programme helps the students to explore innovative areas of research and direct them to develop an academic discourse in frontiers of science. The various sessions planned under this Erudite Programme are meant to improve the quality of research and one quintessential aspect in this regard is to keep oneself updated about the latest developments in the field, which will be the primary focus. The programme also aims to address the various other difficulties faced by students and researchers as well as helping them in resolving these issues.

Dear Sir/Madam,

We solicit your esteemed presence on the Erudite-Scholar-in-residence programme, titled "Frontiers in Applied Science" which is being organized by PG & Research Department of Chemistry, TKM College of Arts and Science.

Dr. Smitha P.G.
Principal

Dr. S. Anas
Head of the Department

Lt. Dr. Tharun A. Rauf
Coordinator

ERUDITE PROGRAMME SCHEDULE
Sessions by Prof. Suresh C. Pillai

11th December 2019

10.00 a.m. : Inauguration

Welcome Address : **Dr. Smitha PG**, Principal, TKMCAS, Kollam

Presidential Address : **Jb. Dr. Shahal Hassan Musaliar**
Hon'ble Chairman, TKM College Trust

Inaugural Address : **Prof. (Dr.) GM Nair**
Advisor, Kerala Biotechnology Commission, KSCSTE, Tvm.

Key-note Address : **Prof. Suresh C. Pillai**, Institute of Technology Sligo, Ireland

Felicitations : **Dr. S Anas**, HOD, Department of Chemistry, TKMCAS
Dr. Sumalekshmy L., IQAC Coordinator, TKMCAS

Vote of Thanks : **Lt. Dr. Tharun A. Rauf**, Department of Chemistry, TKMCAS

11.00 am : Lecture on "Higher Education Possibilities Abroad"

12th December 2019

10.00 am : Lecture on "Energy and Environment"

13th December 2019

10.00 am : Lecture on "Nanomaterials for Environmental Applications"

02.00 pm : Interaction with the Students and Research Scholars

18th December 2019

10.00 am : Workshop 1
"How to Prepare a Winning Research Proposal: A Technical Evaluator's View Point"

02.00 pm : Workshop 2
"A Brief Idea on Patent Filing, Commercialization and Innovation"

19th December 2019

10.00 am : Workshop 3
"How to Get Your Paper Accepted in a High Impact Journal: An Editor's View"

02.00 pm : Lecture on "How to Prepare Your CV and Applications for Higher Studies" and Student Interaction

Erudite Scholar in Residence Programme was organized to provide an opportunity to the students to explore fresh areas of research and to direct them to develop their research area in novel frontiers of science.

The event was inaugurated by Dr. G.M.Nair, Advisor, Kerala Biotechnology Commission, and

presided by Dr.Shahal Hassan Musaliar, President, Chairman, TKM Trust. Dr. Suresh C. Pillai, in his key note speech underscored the significance of delving deep and unearthing new discourses pertaining to research. Dr.Smitha P.G., Principal, Dr. S.Anas and Dr.Tharun A. Rauf addressed the gathering on the occasion.





Sasthrapadham 2020

Sasthrapadham 2020, was a three Day Science Residential Camp held at the college on 23-25 January 2020. The event was inaugurated by Sri. M. Noushad MLA. Kottankara Grama Panchayat President Smt. Vineeta Kumari presided over the function.

Principal of the college, Dr. P.G. Smitha, Shri. Radhakrishnan Unnithan, SSK, Kollam District Project Coordinator, Shri. H Hussain, KSCB Welfare Standing Committee Chairman, Shri. Shyam Kumar, Trainer

BRC Kundara, E. Najeem, Staff Advisor, TKMCAS, Shiny Salam, Assistant Professor of Commerce, and Dr. Mohammed Salim M., Program Coordinator, addressed the gathering.

Fifty four Plus One students from various higher secondary and vocational higher secondary schools in Kollam district registered for the Sasthrapadham 2020 three-day Science Residential Camp organized by Samagra Shiksha Kerala.

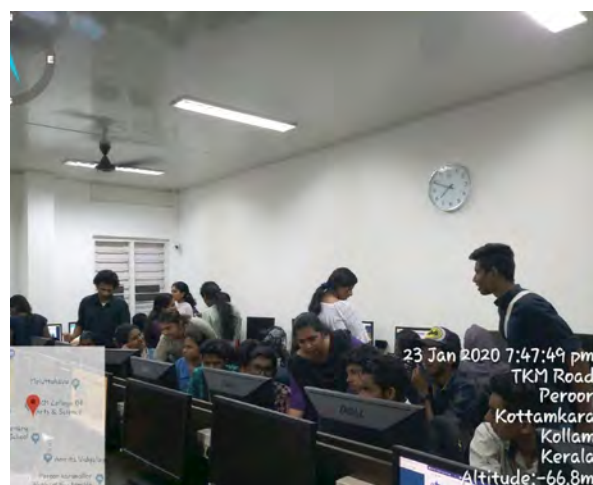


Academicians from various fields of science and technology interacted with students. In the first session, Dr. Siby K.S., HOD of Physics, University of Kerala spoke on the topic "Magic of Sound". Dr. Sasidevan, Assistant Professor of Physics, CUSAT, Dr. Ansil. P.N., Assistant Professor, Department of Biochemistry, TKM College of Arts and Science, Dr.

Niyas Puzhakkal, Head and Radiation Safety Officer (RSO), Medical Physics Division, MVR Cancer Center & Research Institute, Dr. Anto Mathew, Assistant Professor of Botany and Preenu C.S. Assistant Professor, of Mathematics, University College, Thiruvananthapuram conversed with students.







National Institute for Interdisciplinary Science and Technology (NIIST) Visit

As part of Sasthrapadam 2020, a group of 70 persons including students, student mentors and teachers visited NIIST Thiruvananthapuram on 24/01/2020. The first session at NIIST was an interaction with the Director, Dr. Ajay Ghosh. Dr.Joshi Joseph held a class on “The Nano World.”



Innelekal: A Gathering of Former Students

Innelekal, T.K.M. College of Arts and Science former students' association(2000-2006) organised a family meet on 27 December 2019. As part of the event, the former students honoured the retired principal Prof. A. Hashimudeen and the rank holders and toppers of the current academic year. Principal of the college Prof. Shajitha S. presided the gaudy

function in which Dr. Alexander Jacob, former DGP, honoured Chairman of the T.K.M. College Trust, Dr. Shahal Hassan Musaliar. Eminent poet Gireesh Puliyoore, film star Nelson and Ameen M.M., Chairman, Innelekal, shared their memories of campus life. In fact, it was an event that recovered the institution and its unparalleled cultural heritage through memories.



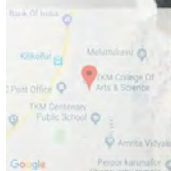


Nature Walk

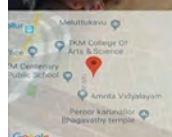
A study trip was organized to Kandachira Biodiversity in Kollam district on 25-01-2020. Students got a golden opportunity to acquaint with the diversity of the area, medicinal plants, endemism, endangerments, wetlands and biodiversity conservation.



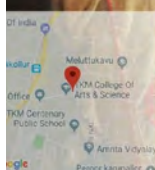




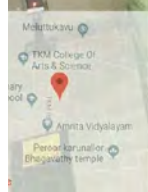
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Seminar: Writing as Resistance



“Reading is about the past and writing is about the future. Writing has more power than anything in the struggle for independence,” opined Tenzin Tsundue, tibetan poet-activist, who was making the key note address at the seminar Writing as Resistance jointly organised by the college library and the college union on 3.2.2020.

He also asserted that writings of a revolutionist influence generations, and often the resistance is not against any individual but against his ideology and mistreat of power. In her presidential address, Principal of the college Dr. Smitha P.G. highlighted the contributions of Tenzin Tsundue as a poet and political activist fighting for the freedom of his motherland from the bondage

of China. The academic event was inaugurated by the honourable Chairman, TKM Trust, Dr. Shahal Hassan Musaliar. Jb Jalaludhin Musaliar honoured Tenzin Tsundue presenting him with the english translation of a classic Malayalam novel Chemmeen, and a memento was presented to him by the college union as a token of appreciation. Dr. Muhammed Musthafa, college Librarian, E. Najeem, Staff advisor, Niyas S.M., Assistant Professor of English and Sabari Shekhar. P, college union chairman addressed the gathering on the occasion.

The ensuing interactive session with the chief guest was brainstorming and appealing. Students and faculties raised many queries about Chinese occupation of Tibet, the life of refugees, and their struggle for independence.

International Day of the Elderly and Breast Cancer Awareness Month



"Let your smile change the world and not the world change your smile," said Dr. Manoj Abraham, President IDA, Kollam while delivering inaugural address on Observance of the International Day of the Elderly and Breast Cancer Awareness Month held on 01 October 2019 jointly organised by the Department of Zoology, Health Club and Indian Dental Association, Quilon branch. The objectives of the programme were to create awareness on the significance of caring elderly people and discuss issues allied with breast cancer.

The programme also aimed to provide awareness on the need of dental hygiene for students, staff and the public. The programme coordinator, Mr. Aseeb A.K., Assistant Professor, Department of Zoology and

Health Club coordinator, welcomed the gathering and college principal Dr. Smitha P.G. delivered the presidential Address. Dr. A. Shershah, Associate Professor and Head, Dept. of Physical Education and Dr. Anney George delivered a talk on 'Prolonging the Aging Process' and 'Breast Cancer and Oral Health' respectively. Dr. Athira Baburaj handled the topic 'Healthy Mouth'.

Dr. Nehas interacted with students on the topic 'Geriatric Oral Health' and discussed various models of implantation and its importance.

The highlight of this programme was a parallel session of the Dental and Medical check-up camp and a dental exhibition at the Zoology lab.

World Cancer Day Observance, 2020



Department of Zoology observed World Cancer Day on 04 February 2020 as part of Zoology Association inauguration. Programme coordinator, Dr.Jasin Rahman. V.K., Assistant Professor and Head, Department of Zoology welcomed the gathering and the principal of the college Dr.Smitha P.G. delivered the presidential address. Dr. George F. D'Cruz, Associate Professor (Retired) and Head, Dept. of Zoology, and

former Research Director of Zoology Research Wing, Fathima Mata National College, Kollam inaugurated the Zoology Association 2019-20 and world cancer day observance. The inaugural session was followed by an awareness talk by Dr. George F. D'Cruz on Cancer-Causes and Prevention. He emphasized on the importance of life style to be adopted and preventive measures to be taken against cancer.

Plastic Eradication Programme



District Collector, Mr. Abdul Nasar IAS inaugurating the programme

"The student community has enormous role in bringing back the 'Green Earth' to a renewed life," said an extremely delighted Kollam District Collector, B. Abdul Nazar IAS while inaugurating the valedictory session of the plastic eradication programme in the campus. In the context of 'Total Plastic Ban' across Kerala and 'Safe Kollam' initiative, Health club, NSS Unit of the college, Department of Zoology and Kottamkara Grama Panchayath jointly organized Kottamkara Grama Panchayath Total Plastic Eradication Programme on 24 & 25 February 2020. The programme started with a clean-up drive (Collect Plastic wastes, Grab Prizes)

by collecting plastic wastes in which students and public actively participated and a competition (Practical Alternative to Plastic) on proposing practical alternative to plastic was also organized. Programme co-ordinator, Aseeb A.K., Assistant Professor, Department of Zoology and Health Club coordinator, welcomed the gathering of the valedictory session. Dr. Shahal Hassan Musaliar, Chairman, TKM College Trust delivered the presidential address and Dr. Smitha P.G., Principal of the college, made the key note address. Mrs. Vinitha Kumari P, President, Kottamkara Grama Panchayath gave an overview of the project.



Prize distribution

World Wildlife Day Observance, 2020



Department of Zoology, in association with WWF-India, conducted a one day programme viz., World Wildlife Day Observance on 03 March 2020. The objective of the programme was to celebrate the many beautiful and varied forms of wild fauna and flora and to raise awareness of the multitude of benefits that their conservation provides to people. Dr. Jasin Rahman, V.K, Assistant Professor and Head, Department of Zoology, welcomed the gathering and college Principal Dr. Smitha P.G. delivered the presidential address. Mr. S. Heeralal, Assistant Conservator of Forest, Social Forestry, Kollam,

inaugurated the programme. Mr. Renjan Mathew Varghese, State Director, WWF-India, Kerala State Office, delivered an awareness talk on Sustaining all Life on Earth-Opportunities and Challenges. He emphasized on the deterioration faced by natural resources due to anthropogenic interventions and its consequences on wild fauna and flora.

A nature documentary directed by Suresh Elamon entitled Home-Our Garden of Eden was screened and an interdepartmental Quiz competition viz., Wild Wisdom Quiz was conducted.



Foundation Stone Laying Ceremony of Research Block

Foundation stone laying ceremony of the new research block being constructed under Rusa II Project was held on 25. June 2020.

Foundation stone was laid by the honourable President, TKM Trust, Dr. Shahal Hassan Musaliar in

the presence of Jb. T.K. Jalaluddin Musaliar, Jb. T.K. Jamaluddin Musaliar, Dr. Mohamed Haroon, K.A. Hashim, Dr.T.A. Shahul Hameed, Smt. Geetha Pillai E.K., E. Najeem, Dr. Sumalekshmi S. and Dr. Mohamed Musthafa K.

EASRIA Lecture Series

Department of Islamic History conducted Easria: Lecture Series 1 on Religion and Society in Kerala- Evolution of a Composite Culture on 30th January 2020.

The programme was inaugurated by Prof. Ashraf Kadakkal, Department of Islamic History, University of Kerala. He said that, Black Athena, the god of knowledge, was black. It implies that education is not basically Euro-centric. Sunny M. Kappikad, the

well-known writer and activist, was the keynote speaker.

He emphasized the characteristic features of socio-religious condition of Kerala through the ages. He deeply evaluated the prevalent caste system of India in general and Kerala in particular. S.Shajitha, HOD, Islamic History, E.Najeem, Principal in charge, and Dr.Finser K.Muhammed, Assistant Professor, Islamic History spoke on the occasion.



Lecture: Translations – Possibilities and Pitfalls



A lecture on Translations – Possibilities and Pitfalls was organized by the Media Club in association with the Postgraduate and Research Department of English on 4th November 2019. Dr. P. Radhika, former Associate Professor and Head of the Department

of English, FMN College, Kollam was invited to deliver the lecture. She, being a recipient of ICWT (International Center for Writing and Translation) Award from University of California in 2011 and having to her credit several translated books



Dr. Radhika interacting with students

including Tales of Athiranippadam (Translation of S.K. Pottekkatt's Oru Deshathinte Kadha) Dr. Smitha P.G., Principal, TKM College of Arts and Science, delivered the inaugural address and spoke about the relevance of the topic and about the scope of translation in the present times.

After the inaugural address, Dr. P. Radhika was invited to deliver the talk. The speaker spoke at length about the nuances of translation and about

the rise of bilingual and multi lingual crowd. With the aid of examples from popular culture – movies, jingles, social media lingo and popular fiction – the speaker elaborated as to how humans' resort to multiple languages and switch between them almost unconsciously to express themselves. Dr. Sumalekshmi S., IQAC Convenor, S.Gayatri, Assistant Professor of English and Shafana Shaffi, Co-ordinator of the Media Club and the organizer of the talk felicitated the event.

Festronix 2020 (Pi-Day)

The Math- Forum sionofcos of TKM college of Arts and Science celebrated Pi day as FESTRONIX 2020. An interactive talk, all Kerala intercollegiate competitions, Mathematics Quiz for high school students and an interesting mathematics exhibition were organized as part of this one-day academic event. Dr. G. Sajith, Assistant Professor, Sullamussalam Science College, Areekode was the

invited speaker. Smt. Honey Benjamin, Honourable Kollam Municipal Corporation Mayor was the chief guest who inaugurated the programme.

Principal of the college, Dr. Smitha P.G., Narayana Prasad M., HOD, Mathematics, Dr.Sumalekshmi S., IQAC coordinator, and Rissana T.A., Assistant Professor of Mathematics addressed the gathering.





LILAC 2020



English association inauguration entitled Lilac 2020 was conducted in grand style on 20 February 2020. The flamboyant event was inaugurated by the noted lyricist, poet and music critic Dr. Madhu Vasudevan. He made an enlightening talk on the topic Cinema: An Art between Cuts and Claps. He

shared his experiences in the Malayalam film industry connecting them with the discourse of cinematic language. Dr. P.G. Smitha, Principal, Smt. Sherin Aslam, HOD, English, and Albin C.S., English Association Secretary addressed the gathering.

Sincasta 2020

Mathematics association of the college Sincasta 2020 was inaugurated in grand style on 6.2.2020 by Dr. Prince K. Associate Professor of Mathematics, University college, Trivandrum.

The event was presided over by the principal of the college Dr. Smitha P. G. In the ensuing academic talk,

Dr. Prince K. elaborately presented his notions on the topic Mathematics and Universe connecting it from daily life to astrophysics. Prof. Harilal N. T., Assistant Professor, department of Mathematics, Amina Bsc student, and Fathima, college union vice chairman addressed the gathering on the occasion.

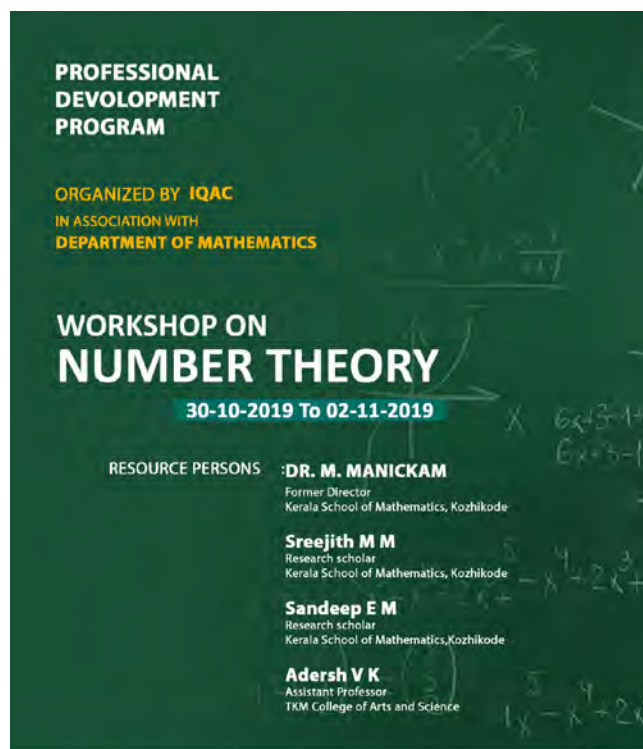


Workshop on Number Theory

IQAC of the college in association with the Department of Mathematics organized a three-day 'Workshop on Number Theory'. The Principal of the college, Dr. Smitha P.G. inaugurated the event. The keynote address was delivered by Prof. M. Manickam, former Director, Kerala School of Mathematics. He spoke about the practical and philosophical aspects of mathematics in our life. Sri. Adersh V.K., Assistant Professor of Mathematics and Narayana Prasad M., HOD, Mathematics attended and felicitated the programme. The programme held from 30th October 2019 to 2nd November 2019. Other resource persons of the event were Sreejith M.M., Research Scholar, Kerala School of Mathematics, Kozhikode and Sandeep E.M., Research Scholar, Kerala School of Mathematics, Kozhikode.

Five faculty members from the neighbouring colleges in Kollam participated in the workshop. Lectures were arranged in the morning sessions followed by tutorial sessions in the afternoon all through the workshop. Dr. Sumalekshmy S. convened and Dr. Aswathy, Assistant Professor, Department of Mathematics, co-convened the sessions.

Of the four sessions of the workshop, the first session was allocated to assessing the community perspective of the current research landscape followed by days that focused on future strategic directions. The workshop incorporated two discussion sessions, which covered a range of topics from Mathematical theories to funding for research.



T. K. M. COLLEGE OF ARTS AND SCIENCE
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www.tkmcas.ac.in

Conducted as part of a Professional Development Program with the Mathematical Sciences community, this event served as a platform to promote connections between research topics and generate connections between different number theories and Mathematical Sciences.



Principal Dr. Smitha P.G. inaugurating the event



Prof. M Manickam-key note address



Presenting memento to Dr. M Manickam



Principal presenting mementos to Sreejith M M



Principal presenting mementos to Sandeep E M



Workshop Group Photo

National Science Day –2020 (07 & 28, February 2020)

"It is high time to appreciate the contributions made by women scientists to science and technology," said Dr. Madhu K., Assistant Professor, U.C. College, Aluva. who was inaugurating National Science Day 2020 on the focal theme Women and Science.

The programme was presided over by the Principal of the college, Dr. Smitha P.G.. Dr. Madhu K. also delivered an invited talk on Theory of Relativity. The second invited lecture was by Dr.Rakhi R. B,

Assistant Professor, University of Kerala on the topic Super Capacitors: An Overview. Aparna L.R., Assistant Professor of Physics, Safir T.K., Coordinator of the programme, and Dr.Sumalekshmi S., IQAC coordinator addressed the gathering.

An inter collegiate science quiz competition was also conducted at the College on 28th February and Mr. Noha Jacob, ASAP Trainer, spearheaded the quiz competition.





Intercollegiate quiz competition



Technical sessions: Dr. Madhu K. and Dr. Rakhi R. B.



Wall exhibition on "Women in Science"



Prize distributions

Infinity Lecture Series

The fourth lecture of the "Infinity Lecture Series" was inaugurated by the Principal of the college Dr. Smitha P.G. As part of the event, Dr. Sasidevan, Assistant Professor of Physics at CUSAT gave a talk on "From Oobleck to Artificial Intelligence: The World of Emergent Phenomena". Sajna N.K., HOD, Physics and Dr. Mohammed Salim. M, Assistant Professor of Physics spoke on the occasion.

One Day Workshop on ExpEyes

Department of Physics, in collaboration with All Kerala Physics Teachers Association (APT) conducted one day workshop on ExpEyes at the College on 18 October 2019.

ExpEyes is a hardware and software framework for developing and demonstrating Science and Engineering experiments in class rooms without getting into the details of electronics or computer programming.

Programme coordinator, Safir T.K, Assistant professor of physics welcomed the gathering, and Sri. E. Najeem, Assistant Professor in charge of Principal inaugurated the event.

Dr. Ajith Kumar B.P, Senior Scientist, IUAC, New Delhi and one of the founder developers of the ExpEyes project handled classes and hands-on training sessions. Sajna N.K., HOD, Physics also talked on the occasion.

ONE DAY WORKSHOP ON ExpEYES



Department of Physics, TKM College of Arts and Science, Kollam in association with the Academy of Physics Teachers, Kerala (APT) is organizing One-Day Workshop on Computer Interfaced Science Experiments

18 OCTOBER 2019

at TKM College of Arts and Science, Kollam.

Resource Person : Dr. Ajith Kumar B.P.
(Scientist, IUAC, New Delhi
and the founder developer of the ExpEYES)



Interested school teachers, faculty members of Science & Engineering colleges and enthusiastic students can register for the program using the following link

<https://forms.gle/pabsN3s8uvKB3DPdA>

Registration Fee : Rs.200 only

ExpEyes is a hardware and software framework for developing and demonstrating science and Engineering experiments in class rooms without getting in to details of electronics or computer programming. Students, teachers and hobbyists can use ExpEye as a test equipment for all types of experiments in Physics, Electronics and other branches of Science & Engineering. More information about ExpEYES is available at www.expeyes.in

The workshop covers topics on how the experiments using ExpEYES can empower students and teachers of science and engineering branches. Dr. Ajith Kumar B.P, (Scientist, IUAC, New Delhi and the founder developer of the ExpEYES) will lead the hands-on sessions.

For more information please contact : Programme Coordinator,
Safir TK, Mob: 9946635799, 7907189173. email : sttkphy@gmail.com



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Physics Association Inauguration



The physics association day Candela 2020 was conducted on 10.2.2020.

The main attraction of the day was the invited talk delivered on Machine Learning-A Powerful Tool-Future and Opportunities by Dr. Imthiaz Mohammed,

Professor, Department of Electrical and Electronic Engineering, TKM College of Engineering, following which a career counselling session was also held. Official inauguration of the event was performed by the Principal of the college, Dr.Smitha P.G. Nagesh Milan, Physics Association Secretary proposed vote of thanks.

Security Analysis and Portfolio Management - A Training Program for Commerce Faculty

Internal Quality Assurance Cell (IQAC) in collaboration with the Department of Commerce organized a workshop on Security Analysis and Portfolio Management (Based on Revised Syllabus of M.Com) on 26.11.2019.

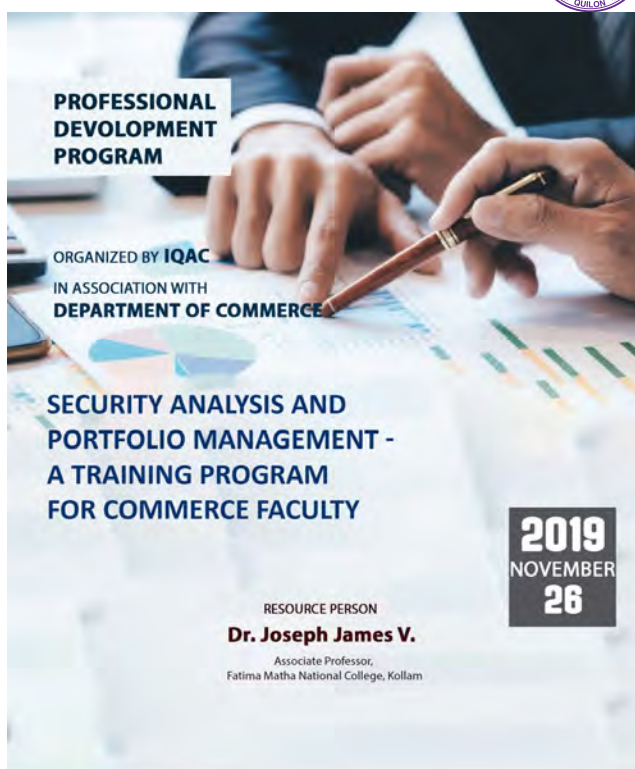
The members of faculty of our college, post-graduate students of this college as well as other colleges in and around Kollam district were the participants of this programme. Principal of the college, Dr.Smitha P.G. inaugurated the academic event. The resource person

of this programme was Dr. James Joseph, Associate Professor, Fatima Matha National College, Kollam.

He elucidated on the basics of investment management, calculation of expected return and risk of individual security as well as portfolio and modern portfolio theory namely Markowitz portfolio theory in an effective manner. Ruksana Sulthana A.H., HOD, Commerce, Jeena R. and Dr.Shehnaz S.R. addressed the gathering.



Principal Dr. Smitha P.G. inaugurating the event



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Dr. James Joseph during his talk



Two day National Workshop on Research Methods- Concepts and Connections

In collaboration with Internal Quality Assessment Cell, Department of Commerce, T.K.M. College of Arts and Science, Kollam conducted a national level workshop on 17th and 18th January 2020. The event was inaugurated by the Hon. Chairman Dr. Shahal Hassan Musaliar, T.K.M. College Trust in the presence of Janab Jalaludheen Musaliar, the Treasurer, T.K.M. College Trust. Prof. Najeeb E., the Vice Principal,

chaired the programme in the absence of the Principal. Eight members of the faculty participated in this event.

Dr. Rajesh. P., Assistant Professor of Economics, Govt. Engineering College, Trissur was the resource person of the programme. The interactive session of the programme was thought-provoking.



Inaugural Function
On 17th January 2020
9.30a.m to 10.30a.m

Prayer
Welcome address : **Ruksana Sulthana A.H.**
Head and Assistant Professor
P.G. Dept. of Commerce

Presidential Address: **Dr. Smitha P.G.**
Principal, T.K.M.C.A.S

Inaugural Address: **Janab Shahal Hassan Musaliar**
Chairman, Governing Body, T.K.M. College Trust

Key note address : **Dr. Rajesh P.** Assistant Professor
Dept. of Economics, Govt. Engg. College
Trissur

Felicitation : **Firokhan A.**
Asst. Professor, P.G. Dept. of Commerce

Vote of Thanks : **Dr. Shehnaz S.R.**
Asst. Professor, P.G. Dept. of Commerce

Targeted Participants
Academicians from Social Science fraternity,
Research Scholars and Post Graduate Students
constitute the target group.

Registration Fees : Academicians- ₹1000/-
Research Scholars- ₹750/-
PG Students- ₹500/-

SCHEDULE

Day 1 (17th Jan 2020)

Registration : 9 a.m to 9.30. a.m.
Inauguration : 9.30a.m to 10.30 a.m
Session 1 : 10.30 to 11.30am
Introduction to Research Methods

Tea Break : 11.30a.m to 11.45a.m
Session 2 : 11.45a.m to 1.00p.m
Stages in the Research Process

Lunch Break : 1.00p.m to 2.00p.m
Session 3 : 2.00 p.m to 3.15p.m
Statement of Research Problem
Setting Research Objectives and Hypothesis

Tea Break : 3.15p.m to 3.30p.m
Session continues : 3.30p.m to 4.30p.m

Day 2 (18th Jan 2020)

Session 4 : 9.30 a.m. to 11.15 a.m
Designing Research-Exploratory
Descriptive and Experimental
Studies

Tea Break : 11.15a.m to 11.30a.m
Session 5 : 11.30a.m to 1.00p.m
Sampling Design and Sample Size
Determination

Lunch Break : 1.00p.m to 2.00p.m
Session 6 : 2.00p.m to 3.30p.m
Measurement in Research
and Measurement Scales

Tea Break : 3.30p.m to 3.45p.m
Valedictory Session: 3.45p.m to 4.15p.m

**T.K.M. COLLEGE OF ARTS AND SCIENCE
KOLLAM -5**
Affiliated to University of Kerala
Re-accredited by NAAC with "B++" Grade



**Two Day National Workshop
on
Research Methods- Concepts
and Connections**

17th and 18th January 2020
Venue: Seminar Hall

Organised By
Post Graduate
Department of Commerce
T.K.M College of Arts and Science
Kollam



Dear Sir/Madam;

We have great pleasure to invite you for the two day National Workshop on Research Methods- Concepts and Connections, scheduled to be held on 17th and 18th January 2020. Your esteemed presence for imbuing insight in Research is solicited.

(Yours sincerely)

Organizing Committee

Smt. Ruksana Sulthana A.H., Convener	Dr. Sulfiya Samad, Member
Smt. Saliya Sami, Member	Smt. Jena R., Member
Dr. Shireen S.R., Member	Sri. Anasoon S., Member
Smt. Thameena Bai R., Member	Sri. Saad Ali M., Member
Sri. Firokhan A., Member	Sri. Akhal Mubai, Member
Sri. Maheen M, Member	Smt. Ranzy P., Member

NOTES

- No of Participants is limited to 60 and will be selected on first come first serve basis.
- Attendance of the entire session is compulsory.
- Please confirm your participation on or before 16th January 2020.
- Accommodation may be arranged on payment basis.
- Participants are eligible for duty leave.

For Queries : Contact
Dr. Sulfiya Samad - 9947790065
Anasoon S - 9995836583
Email: commercedept.tkm@gmail.com

About the College

T.K.M. College of Arts and Science was established in the year 1965. Right from the inception, the college has earned a name for discipline and academic eminence. The institution was accredited by NAAC in 2013 with A Grade and with B++ Grade in 2019. National Institutional Ranking Framework (NIRF) under the Ministry of Human Resource Development, Government of India has ranked the institution as the 80th among the colleges in India. The college gives paramount importance to character formation and holistic development of the students. The diligence and enthusiasm evinced by the academic fraternity of the college help the students realise their aspirations. The enormous number of students who pass through the portals of this institution adorn numerous meritorious positions in life and this testifies to the unique distinction the institution has sculptured out for herself. The core values upheld by the institution are honesty, moral righteousness, compassion for the fellow beings, faith in the Supreme and above all, a relentless pursuit of academic excellence through dedication and hard work. The college aims at the creation of a community of students empowered and equipped with knowledge, skills and values, who would contribute effectively to nation building. The campus has students from all sections of the society and it is focused on meeting their diverse needs.

About the Department

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 on 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. The main focus of the department is the overall development of the students with knowledge in latest trends in the field of Business and Commerce and to face the global challenges.

Aim of the workshop

Research is the backbone of sound knowledge in general and higher education in particular. The institutions of higher education in India are facing a critical situation and challenge in creating, nurturing and maintaining the quality of higher education and research. Therefore, it is indispensable to develop a sound methodological base of research process among scholars and students to cover the challenge in research area. A finely tuned and apt selection of the research methodology will give a sound research output. In order to bring this vision into a reality, there is a real need to orient, equip and to develop the research scholars in the field of research methodology. The workshop is an attempt to inculcate research scholars and students on the various methodology applied in the research work.

RESOURCE PERSON
Dr. Rajesh P
Asst. Professor
Govt. Engineering College
Trissur





Hon. Chairman, Dr. Shahal Hassan Musaliar, addressing the faculties



TKM Rd, Karicode, Peroor, Kottamkara, Kerala 691005,
India

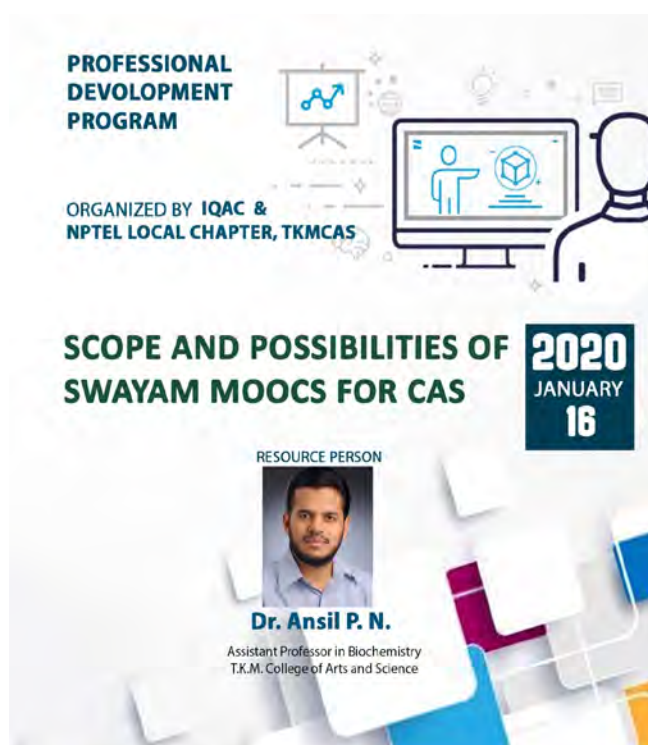
Date:- 18-01-2020 Time:- 9:52 am

Dr. Rajesh P. leads the interactive session

Scope and Possibilities of SWAYAM MOOCS for CAS

Internal Quality Assurance Cell (IQAC) in collaboration with NPTEL chapter of T.K.M.College of Arts and Science organized a One Day Faculty Training Programme on 'Scope and Possibilities of SWAYAM MOOCS for CAS' on 16th January 2020 from 10 am to 1 pm. The resource person was Dr. Ansil P. N. and, the programme received an overwhelming response. Opening remarks of the same were given by Dr. Sumalekshmi S., the IQAC coordinator, which was followed by an introduction to the programme by the Vice Principal, Mr. Najeem E. He also gave a glimpse of the activities going on in TKM College of Arts And Science.

The programme then progressed with the lecture by the resource person. He mainly focused on the various courses provided under the SWAYAM initiative. He encouraged the faculties to join for various courses. Discussions with the speaker followed the lecture. Participants interacted with the resource person and among themselves during the session. A concluding session followed the discussions where the participants shared their experiences and gave their feedback. The programme concluded at 1 pm with a formal vote of thanks delivered by the Chief Librarian of the college, Dr. Mohammed Musthafa K.



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Dr. Ansil P.N. addressing the audience

Environment Management Training



Inaugural Function



Inaugural address

The IQAC and the Department of Botany, in consortium with KSCSTE and Environment Management Training scheme organized an Environment Management Training Programme from 9 to 11 January 2020. The programme received an overwhelming response with more than 100 participants who had paramount exposure to a healthy academic environment. The keen interest exhibited by the participants was well evident in their feedback. The sessions included Environment and Ecosystem, Sustainability of Ecosystem: Balance and Environmental Stability, Environmental Damages, Environment Legislations, Soil, Air and Water Pollution and its Management Strategies, and Environment Management Scenario in Kerala.

The programme was inaugurated by Dr PG Latha,

Former Director of JNTBGRI, Palode on 9 January 2020 at 9 am. Dr Smitha P G, Principal of the college presided over the function. Dr Bobby T Edwin, Head, Department of Botany, welcomed the gathering. Then the programme was felicitated by Dr. Sumalekshmy, IQAC co-ordinator, Dr. Jasin Rahman, Department of Zoology and Smt. Jisha MS, Department of Botany. The programme ended formally with a vote of thanks by Dr M J Sheeba.

The resource person, Dr. Latha delivered a lecture on 'Environment and Ecosystem' in the first session. She stressed on the importance of living with minimal resources and explained how it helps in environment management. Then the session was open for discussion.

The Second session was on Air pollution and Management Strategies. The session was handled by Dr E Shaji, Assistant Professor, Department of Geology, University of Kerala. He discussed the issues associated with pollution and suggested strategies in managing air pollution. The session concluded at 12.30 pm. The third session started at 1.30 pm. Dr Mahesh, Assistant professor, School of Environmental Science, Mahatma Gandhi University delivered the lecture on Environment Management and Current Scenario in Kerala. He emphasised the necessity of management studies and the significance of implementing developmental activities in Kerala. He made the faculty aware of various opportunities available for the students in future. The session concluded at 2.45 pm.

The fourth and final session led by Dr P Hari



Dr. E. Shaji's address

Narayanan, Principal Scientist, Kerala State Council for Science, Technology and Environment was very interesting and informative. He covered a wide arena on Environment in his lecture. The speaker then narrated the reason for the development of different environmental legislations. He also discussed the upcoming trends of rule violations in Kerala and the corrective actions from courts with special reference to the demolition of flats in Maradue. The talk concluded at 4.45 pm.

The Second day started off at 9.30 am with the fifth session led by Dr Udayakumar J, Assistant Professor, Department of Geology, ThangalKunjuMusaliar College of Engineering, Kollam on 'EMT 2020'. He spoke about the environmental damages occurred so far in nature and the effectiveness of various remedies. He also opined that the damages occurred to the environment are not completely curable. His simplified language and interactive session was well appreciated by the students. The session wrapped up at 10.45 am.

The sixth session of 'EMT 2020' started at 11 am. The session was handled by Dr Ratheesh, Assistant professor, Department of Botany, SN College, Kollam. He discussed the significance of sustainability of ecosystem and its balance and stability. Rather he pointed out the fact that water should be managed properly lest the whole ecosystem would get ruined badly. He suggested various practices like afforestation and conservation of sacred grooves as steps for ensuring sustainability.

The Seventh and final Class on EMT 2020 was



E. Mahesh and Dr. J. Udayakumar engaged in interaction

conducted by Dr Jean Jose, Assistant professor, Zoology, St Gregorios College, Kottarakkara. His topic of discussion was 'Soil and Water Pollution and Management Strategies'. Being an expert in the area, he discussed in detail different pollution sources and management strategies. His class started at 2 pm.

On the third day we had the field visit. Faculty of T. K. M college made a visit to Varkala. The team went around Eravipuram, Kappil, Helipadu, Varkala and Panayilkadavu lake side. They showed keen interest in observing the environmental issues at various regions. Green protocol was followed throughout the conduction of the programme. Overall the whole programme provided a blissful and rejuvenating experience.

Latest Developments in Learning Management System: Training Session for Teachers

A one-day Professional Development Programme on 'Latest Developments in Learning Management System' was organized by the Internal Quality Assurance Cell (IQAC) on 30th October 2019. The key speaker of the programme was Mr Saji S. J., HOD, Mechanical Engineering, Heera college of Engineering and Technology, Thiruvananthapuram. He shared his vast experience on the topic in an elegant way. The Principal of the College, Dr. Smitha P. G. inaugurated the programme and delivered the opening remarks.

The session included varied topics from the domain of Learning Management System. It gave the participants an insight into the varied methodologies and recent developments in the same to keep quantity and quality at its best. The programme received an overwhelming response from the participants. Around 46 participants attended the programme. By 2 pm, the programme ended with formal vote of thanks delivered by Dr. Sumalekshmy S., the IQAC Co-ordinator.



Mr Saji S.J. addressing the audience

Basics of Disaster Management - One Day Workshop with Field Training

The Department of Islamic History in collaboration with IQAC, organised a one-day Workshop on Civic Engagement in Disaster Management on October 29, 2019.

The main object of the seminar was to provide a common platform to the entire cross section of the society, so that the various distortions and misgivings about the threat of the natural disasters and their mitigation may be discussed and clarified.

The programme was inaugurated by Dr. Smitha P.G., Principal, T.K.M. College of Arts and Science, followed by an invited lecture by Dr. K. G. Thara, Head of State Disaster Management Centre, ILDM and State Disaster Management Authority Member, Govt. of Kerala. Prof. Hashimudeen A., former Principal and Coordinator, Kerala State Civil Service Academy, Kollam, Shajitha S. HOD, Islamic History and Dr. Finser K Muhammed and Hashimudeen A., former principal, TKMCAS addressed the gathering.



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Dr. Thara K.G. leading the session

Shaping Student Projects- Workshop for Students

As a continuation of national workshop on Research Methodology conducted on 17th and 18th January 2020,

Department of Commerce in association with WWS, TKM College of Arts and Science held a one day workshop on 21st January 2020 meant for PG students from department of

Commerce and selected final year students from all departments. Dr. Muhammad Musthafa, UGC Librarian, TKM College of Arts and Science was the resource person. This was indeed highly helpful for students to facilitate the successful completion of their project work with better orientation and perfection.



Career Guidance Programmes

Cracking the Civil Service Examination : Career Orientation Programme



Vivek K.V. addressing the virtual meet

Training and Placement Cell of the college conducted a career guidance webinar titled Cracking Civil Service Examination on 26.09.2020 for first year students. Sri. Vivek K.V., IAS was the resource person. He talked about the strategies and systematic

preparatory works required while attempting civil service examinations. Principal of the college Dr Chithra Gopinath inaugurated the webinar. Placement Cell Coordinators Nizamudin Ashique P.K. and Jeena R. also addressed the virtual gathering.

Skill Up

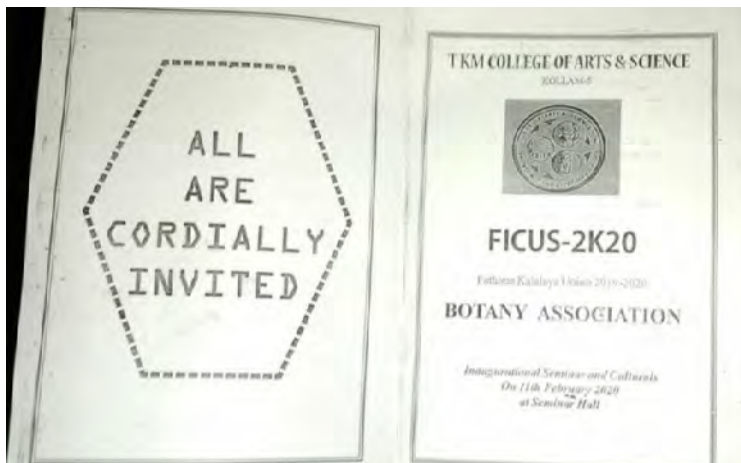


Sri. Vishnu Prasad during his address

The Department of Biochemistry organized a career guidance programme entitled Skill Up on 5/02/2020 for M.Sc. and B.Sc. Biochemistry students. Sri.Vishnu Prasad, ASAP Trainer, Gandhibhavan ,

Trivandrum, handled the session, and he discussed the important courses that facilitate higher studies for students with Biochemistry background.

FICUS-2K20



Dr. Anirudhan in his talk

The Department of Botany, as part of Botany association inauguration, conducted a career guidance programme titled Ficus-2k20 on 11 February 2020. Dr.K.A Anirudhan, Principal, SN

womens college, Kollam, was the resource person. Career guidance was the thrust area of his talk. Dr. Anirudhan described the possible opportunities waiting for Botany graduates.

Higher Education Possibilities Abroad

Following the Scholar in Residence Programme held at the college on 11.12.2019, the speaker and chief guest Prof. Suresh C. Pillai interacted with delegates on higher education possibilities and

opportunities abroad. He talked about internationally acclaimed institutes and admission procedures. He spoke about the Max Plank institutes and technology institutes situated at different countries.

Valency 2K20

As part of Chemistry Association Day, Valency 2K20, a career orientation programme was organised by the department on 24 February 2020. Prof. Aravind, S.B. College, Kottayam, was the resource

person. Principal of the college Dr. P.G.Smitha inaugurated the event. After the inaugural function, a talk on career opportunities in Chemistry was delivered by Prof. Aravind.



Sri. Aravind during his address

Opportunities in Banking and Insurance Sectors

Department of Commerce conducted a career guidance programme titled Career Opportunities in Banking and Insurance Sectors on 29 December 2019. Dr. K.C. Haridas, the Managing Director of Verkenner Business Associates Pvt. Ltd. was the resource person. He is a fellow of the Insurance Institute of India.



Dr. Haridas' address

Career Counseling and Motivational Talk



Vivek K.V. delivering his talk

The department of Islamic History conducted a "Career Counseling and Motivational Talk" on 7th February 2019. Mr. Vivek K. V. (IRAS – India Railway

Account Service) handled the session. During the session, he motivated the students by equipping them with tips to crack competitive examinations.

After Graduation



Sharanya Das delivering talk

The department of Mathematics organized a career guidance programme titled After Graduation for students of Bsc. Mathematics 2017-2020 Batch. Sharanya Das, M.Phil scholar, University of Kerala,

handled the session.

She shared her deliberations on the possibilities and job opportunities correlating it with the discipline Mathematics.

Candela 2020

As part of Physics association Day, Candela 2020, a career guidance programme was conducted on 10.2.2020. Principal of the college Dr. P.G.Smitha inaugurated the event. Dr.Imthiaz Mohammed,

Professor, Department of Electrical and Electronic Engineering, TKM College of Engineering, was the resource person. He delivered his talk on machine learning and its future job opportunities.

Online Career Orientation Programme

PROGRAMME Welcome: Dr. Jasin Rahman V. K (Programme Coordinator) Presidential Address: Dr. Chithra Gopinath (Principal) Invited Talk: Mr. Muhasin K (Director, e-Bio) Vote of Thanks: Dr. Mumthas Yahiya ORGANIZING COMMITTEE Dr. Chithra Gopinath (Principal) Dr. Jasin Rahman V.K (Asst.Prof & HOD, Dept. of Zoology) Dr. Mumthas Yahiya (Faculty, Dept. of Zoology)	9566104213 Mr. Muhasin K Director, e-Bio Meeting URL: meet.google.com/ljh-hwqw-ryv	T.K.M COLLEGE OF ARTS & SCIENCE, KOLLAM  An online Career/exam orientation program organized by Dept. of Zoology in collaboration with e-Bio on Sunday 30.05.2021, at 03 : 00 PM For a brighter future
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The Department of Zoology organized a Career/Exam orientation webinar on 30 May 2020 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 explained the steps to prepare for the

entrance examinations for PG and research degrees in higher institutes. "It's the lack of proper guidance, practice and training that drags students back from competitive examinations that otherwise can easily be cracked", said sri. Muhsin K. The programme was attended by more than 70 students from the department of Zoology, Botany and Biochemistry.

Easy Career 2020

The Department of English organized its annual career guidance programme for the students of the department titled 'Easy Career 2020' on 6 February 2020. The session was lead by Niyas S.M., one of the senior members of the faculty. The session was inaugurated by Dr. Smitha P.G., the Principal of the

College, and presided over by Sherin Aslam, the Head of the Department of English.

The session got immense response from the students and the faculty. The session stressed on the need for skill development as the primary focus for better career opportunities.



Niyas S.M. addressing the students



Post Graduate & 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

Dr. P.G.Smitha

Position held: Associate Professor and Principal in charge

Sherin Aslam

*Positions held: Assistant Professor and HOD,
Faculty adviser, S5 B.A. English.*

Gayatry S.

*Position held: Assistant Professor,
Certificate Course Coordinator,
Faculty Advisor, MA English (2018-20).*

Dr. Sumithra Devi S.

Position held: Assistant Professor.

Niyas S.M.

*Positions held: Assistant Professor,
Convenor, Annual Report Committee,
Faculty Advisor, S2 B.A. English,
Faculty in charge of college calendar,
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).*

Lt. Liby K.S.

*Positions held: Assistant Professor,
ANO, Nine Kerala Battalion NCC Girls.*

Dr. Sulfia S. Santhosh

Position held: Assistant Professor

Muhammed Roshan B.

*Positions held: Assistant Professor,
Faculty adviser, S6 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)

Anil Jose

Position held: Assistant Professor (Guest Faculty)

Mousoomi Aslam A.

Position held: Assistant Professor (Guest Faculty)

Faculty Achievements

Dr. Sumithra Devi S.

- Participated in Summer School (Multidisciplinary) conducted by UGC-HRDC, Kerala University, from 9-7-2019 To 22-7-2019
- Participated in Short Term Course on Women Empowerment conducted by UGC-HRDC, Kerala University, from 29-8-2019 to 4-9-2019.
- Participated in Short Term Course on Research Methodology conducted by UGC-HRDC, Kerala University, from 19-2-2020 to 25-2-2020

Niyas S.M.

- Attended refresher course in English language and literature from 6.8.2019 to 20. 08.2019 conducted by UGC-HRDC, Kerala University

Shafana Shaffi

- Presented a paper titled "Reinstating Identity through Narratives: A Study of Joseph Pitts' A Faithful Account of the Religion and Manners of the Mahometans" at the Two- Day National Seminar Sponsored by The Directorate of Collegiate Education on "Memory, Archives & Evolving Literary Sensibility" organized by Post Graduate Department of English and Research Centre, Govt. College, Mokeri on September 30 & October 1, 2019.
- Member of Organizing Committee of the International Conference on Energy and Environment (iCEE 2k19) organized by TKM College of Arts and Science during 12-14 December 2019

Lt. Liby K. S.

- Participated in UGC-Sponsored Refresher Course in Human Rights (Multidisciplinary) conducted by UGC HRDC, University of Kerala, Kariavattom.
- Attended combined Annual Training Camp held at SMHSS Patharam from 20 Dec. 2019 to 29 Dec. 2019.
- Coordinated a survey on waste management and visited houses and shops in the locality as part of Mega Pollution Awareness from 1 July 2019 to 11 July 2019
- Participated in plogging as part of Swatchata Hi Sewa at Kollam Beach on 07-Dec-19
- Flood Relief Activity. Collected materials with the help of cadets and deposited it at Kollam collection point on 16-Aug-19.
- Visited Mahilamandiram, Karicode with cadets and conducted cultural programmes and provided lunch to the inmates.

Dr. Sulfia S. Santhosh

- Presented a research paper titled "The Interstitiality of Power and Madness in Girish Karnad's Plays" at the two-day National Seminar on Karnad Moments: A Celebration organized by the Research Forum, Institute of English, University of Kerala on 21 and 22 August 2019.
- Resource Person at the Two-Day National Seminar on Memory, Archives and Evolving Literary Sensibility organized by the Department of English, Government College, Mokeri on September 30 and October 1, 2019.
- Engaged a session on European Literature as Resource Person as part of the Lecture Series organized by the Institute of English, University of Kerala.

Students' Achievements

Laya Rajan

- Poetry writing malayalam - I place
- Elocution Malayalam - I place
- Thiruvathira - I place

- Short story writing malayalam - II place
- Debate Malayalam - II place
- Mono act - III place
- All the above mentioned programmes in college arts festival.
- Essay writing Malayalam - I place in writing competition in connection with founders day celebration.

Amitha Alex

- Group dance first place
- College arts fest
- Lincy Lawrence
- Group Dance first place
- College arts fest

Gouri J

- Group dance first place
- College arts fest

Krishnaveni S

- Thiruvathira first place
- College arts fest

Darsana A S

- Thiruvathira first place
- College arts fest

Jyothy M Sajeev

- Nadan pattu first place
- College arts fest

Krishna Prabha

- Nadan pattu first place
- College arts fest

Fayas Muhammed

- Nadan pattu first place
- College arts fest

Siddhy A S

- Nadan pattu first place
- College arts fest

Nadiya Shihad

- Debate English second place,
- College arts fest
- Badminton silver medal
- College sports meet

Neelima S

- Group song - I place
- Light music - II place

- Classical music -III place
- College arts fest

Muhammed Basil D

- Skit - II place
- College arts fest

Fathima M.Sherif, Afra Beegum P., Shamsana S., Hanan Firdousy S.R.

- Oppana First place. College arts fest

Akshay B.

- Folk song, first place College arts fest

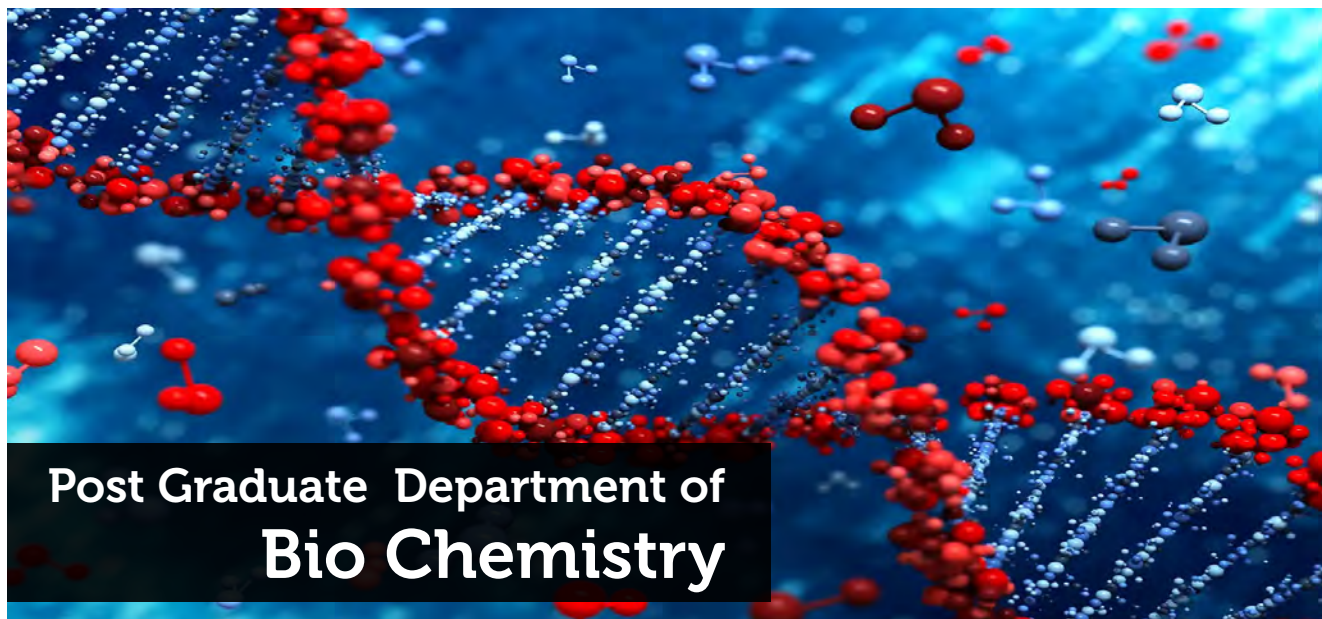
Sivakami A.B., Teerdha S. Nair

- Group song , first place College arts fest

Teerdha S. Nair

- Recitation(Malayalam), first place

- **Ms. S. Anjana** of MA English secured Second Position in the 1st South Zone Senior Roll Ball National Championship held at Dindigal, Tamil Nadu on 2nd and 3rd August, 2019.
- **Ms. S. Anjana** of MA English participated in the XVIth Senior Roll Ball National Championship held at Surat, Gujarat (22nd- 25th August, 2019).
- **Ms. Shahna Shajahan and Ms. Sneha Shaji** of MA English participated in the Intercollegiate Seminar Competition on "Traumatizme: Writing Trauma, Writing the Self" conducted by the Department of English, Christian College Chengannur on 5th November, 2019.
- **Ms. Shahna Shajahan** of MA English won the First Prize in the Intercollegiate Seminar Competition on "Traumatizme: Writing Trauma, Writing the Self" conducted by the Department of English, Christian College Chengannur on 5th November, 2019.
- **Ms. Shahna Shajahan and Ms. Amina A.S.** of MA English participated in the State Level Seminar on "Broadening the Borders: Boundless Bond in Film and Literature" organized by the Postgraduate Department of English, Don Bosco College, Kottiyam on 13th February, 2020.
- **Ms. S. Anjana** of MA English got selected to the Roll Ball Team of University of Kerala after the Inter Collegiate Roll Ball Competition held on 24th February, 2020.



Post Graduate Department of Bio Chemistry

About the Department

The Department of Biochemistry was established in 2001 and got upgraded to a Post graduate department by 2013. The department has good infrastructural facilities and superior laboratory equipments. It has been consistently producing rank holders in the university examinations. Following are the major activities and other details regarding the department during 2019-2020.

List of Faculties

- **Dr. Latha B.** Assistant Professor and HOD

Positions Held :

- ♦ Head of the Dept.
- ♦ Faculty Advisor IInd year M.Sc
- ♦ NSS Programme Officer
- ♦ Editor, TIJMR
- ♦ Chairman - Ist and IIIrd semester M.Sc Biochemistry, Kerala University
- ♦ One of the member of organizing committee of International conference on Energy and environment organized by T.K.M. College of Arts and Science, Kollam.

- **Ajinza A.** Assistant Professor

Positions Held :

- ♦ Faculty Advisor Ist year M.Sc
- ♦ Chairman - IInd and IVth semester M.Sc Biochemistry, Kerala University

- ♦ WWS internal mentor

- ♦ SSP Mentor

- **Soumya S.** Assistant Professor

Positions Held :

- ♦ Faculty Advisor I Year B.Sc
- ♦ Debate Club Co-ordinator

- **Dr. Ansil P.N.** Assistant Professor

Positions Held :

- ♦ Faculty Advisor II Year B.Sc
- ♦ IQAC member of TKMCAS
- ♦ One of the member of organizing committee of International conference on Energy and environment organized by T.K.M. College of Arts and Science, Kollam.
- ♦ SPOC of Swayam local chapter, T.K.M. Collge of Arts and Science, Kollam

- **Dr. Sumayya A.S.**

Assistant Professor

Position Held :

- ♦ Faculty Advisor III Year B.Sc

- **Surya Harikumar.**

Assistant Professor (Guest Faculty)

- **Dr. Limi Elizabeth Mathew.**

Assistant Professor (Guest Faculty)

Achievements of Faculties

Dr.Latha B.

- Presented a paper entitled “ Hepatoprotective efficacy of methanolic extract of Monochoria vaginalis in acetaminophen induced Hep G2 Cell lines” in the International Conference on Energy and Environment from 12th and 14th December 2019 organized by T. K. M. College of Arts and Science, Kollam.
- Participated in the seven day orientation course for NSS programme officers at Rajagiri College of Social Sciences, Kalamaserry from October 9th to 15th.
- Conducted a health survey and awareness class on lifestyle diseases at Chengamanade gramapanchayat situated in Ernakulam district on October 12 as part of the orientation course at Rajagiri College of Social Sciences.



Ajinza A.

- Presented a paper entitled “HPLC profiling of antimicrobial compounds from the methanolic extract of Vitex altissima. L ” in International Conference on Energy and Environment from 12th and 14th December 2019 organized by T. K. M. College of Arts and Science, Kollam.

Soumya S.

- Attended UG syllabus revision workshop in the Department of Biochemistry from 27/6/2019-3/7/2019.

Dr.Ansil P.N

- Attended Nature Camp at Shenthuruni wild life Sanctuary , Thenmala (20/12/19-21/12/19)

Best Practice of the Department

Blood grouping campaign and data collection of all the students of T. K. M. College of Arts and Science.



Best practice

Seminars Attended by the Students

First year M.Sc students participated in the National seminar entitled Novel Prospects in Biotechnology on 7/11/2019.

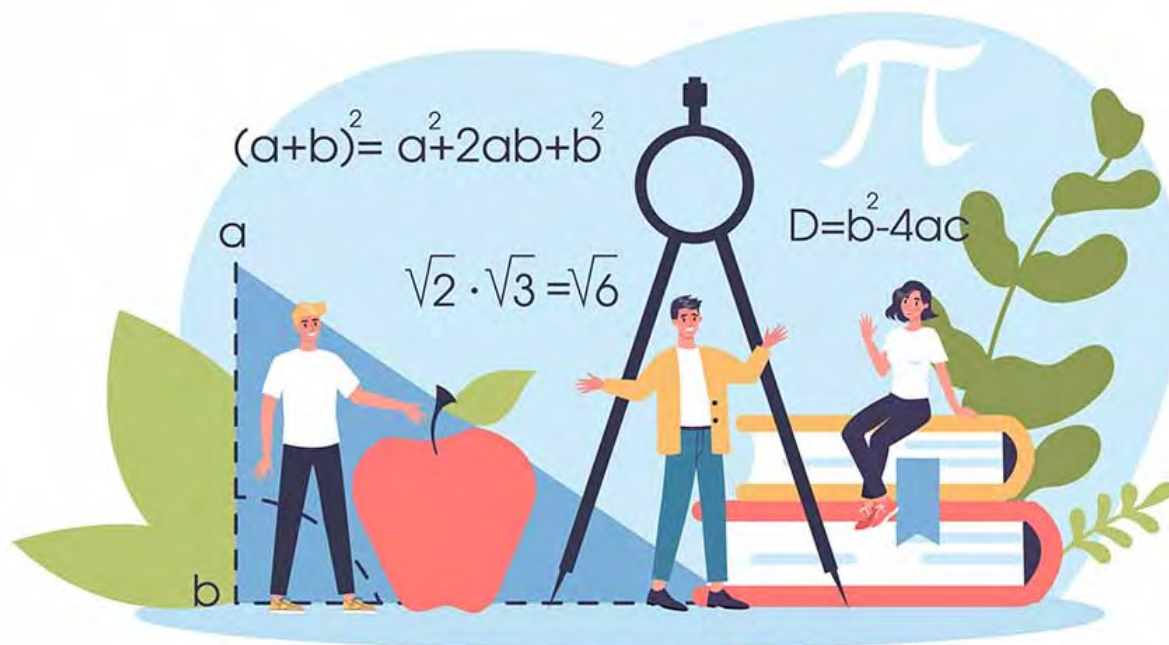
Achievements by students

Following students are the rank holders in the academic year 2019-20

- Deepthi J.S**, I Rank, M.Sc Biochemistry
- Arya Mohan J**, II Rank , MSc Biochemistry
- Fousiya A**, III Rank M.Sc Biochemistry

Sports

- Vishnu (S4 B.Sc)** won Bronze medal in the Kerala University marathon 2019-20 held at the University stadium, Trivandrum.



Post Graduate Department of Mathematics

About the Department

Department of Mathematics, established in the year 1980, has a 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.

Math Forum

Regular activities of the Math forum includes meeting on every Thursday evening at 4'o clock. Apart from this Math forum take initiative to various departmental activities including Pi-day celebration.

Meet the Scholar Program (MTS)

MTS is an academic venture initiated by Math Forum for fostering the research aptitude of science students.

Aims and Objectives of MTS

- To provide opportunity for students to attend the sessions by experts in different areas of Mathematics.
- To provide a platform to discuss and develop research ideas.
- To nurture and promote innovative mathematical ideas among students.

**Program I: 13/12/2019, Speaker:
Dr. Sudarsan Kumar K**

Title: General Aspects of Differential Equations

As part of Meet the Scholar program, the Math Forum organized an academic session by Dr. S Sudharshan Kumar, Assistant Professor, Department of Mathematics, IIT Guwahatti. Prof. Narayana Prasad M, Head of the Department, introduced the session. During the first part of the session, the speaker delivered a talk on General Aspects of Differential Equations. The talk imparted students a thorough understanding on applied mathematics, particularly differential equations.



Dr. S. Sudharshankumar engaged in discussion

Program II: 06/03/2020. Speaker: Dr. G. Sajith

M.Sc. Physics and Mathematics students along with faculties from various colleges attended the event. Sri. Nisamudeen Ashique P.K. , Assistant Professor, Department of Mathematics, introduced the session. Dr. G Sajith delivered a talk on 'An Invitation to Integral Geometry'.



Dr.Sajith engaged in talk



Achievements of Faculties

Narayana Prasad M.

Positions Held :

- Convener, Admission committee
- Faculty Adviser 2nd year MSc
- Member, DST-FIST
- Additional superintendent University Exam
- Member, Enquiry Committee

Adersh V.K.

Conference/Seminars/Workshops attended

- International conference on Number Theory, Kerala School of Mathematics, 23-26 January 2020.
- International conference on Energy and Environment (iCEE 2k19), TKM College of Arts and Science, Kerala, India, 12-14 December 2019.
- International Conference on Number Theory (On the occasion of 60th birthday of Prof. M Manickam), Kerala School of Mathematics, 10-14 December 2018.
- Advanced Instructional School on "Modular Forms", IIT Guwahati, 13th May to 01st June, 2019.
- Workshop on Multiple Zeta Values, Kerala School of Mathematics, 18-22 January 2020.
- Resource person in the workshop on Scientific Document Preparation using LATEX IQAC, St. Gregorious College, Kottarakara, 7th December 2019.
- PG Syllabus Revision Workshop, University of Kerala, Department of Mathematics, 13-14 January 2020.
- Convener of the International conference on Energy and Environment (iCEE 2k19), TKM College of Arts and Science, Kerala, India, 12-14 December 2019.

Positions Held :

- Nodal officer, AISHE
- DST-FIST Member
- NAAC, Dept Coordinator.
- College council member

Dr Aswathy M.R.

Positions Held :

- Faculty Advisor First year MSc
- Internal exam member

Nisamudeen Ashique P.K.

Positions Held :

- Training and Placement Officer
- Faculty Advisor, II Year Bsc Mathematics

Rissana T.A.

Position Held :

- Convener, Math Forum

Niza N.

- Faculty Advisor, I year BSc
- Department Library in charge

Harilal N. Thazhikkattuseril

Position Held :

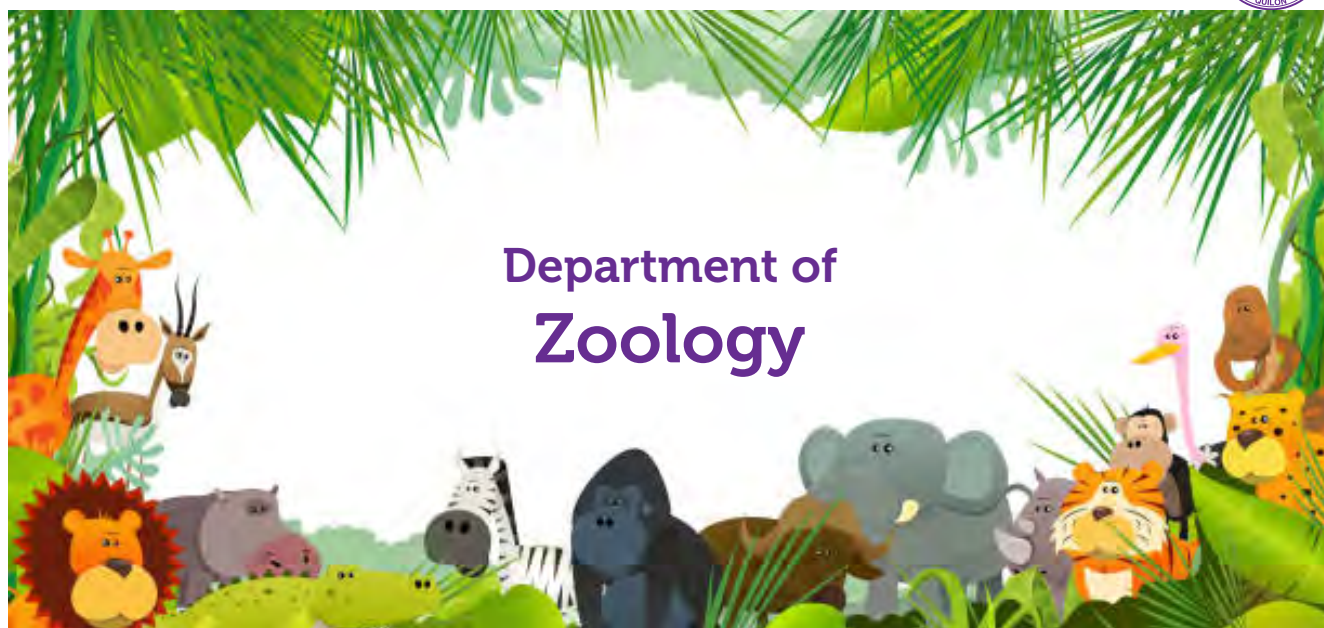
- Faculty Advisor, Third year BSc. Mathematics

Achievements of Students

List of students who qualified JAM examination 2019

Class	Roll number	Name of student	All India Rank
S6 BSc	MA723A025	Rajalekshmi J	1613
S6 BSc	MA723A021	Gayathri S	1498

- **Anjali Anil** secured third rank for MSc Mathematics
- Winners of Quiz Competition and Training Programmes
- **M.S. Alshyma** secured third position for the KIM endowment intercollegiate mathematics paper presentation competition conducted by the Department of Mathematics, CMS College, Kottayam on 7th December 2019.
- **Devika A. R.** and **Muhammed Ajmal A.** secured third position in all Kerala Prof. P O John memorial intercollegiate quiz competition conducted by Mar Thoma College, Tiruvalla on 18th December 2019.



Department of Zoology

History of the Department

Department of Zoology was established in the year 1981 and is well known for its academic and research activities in various fields of Zoology. The mode of instruction and laboratory classes in the department has been in compliance with universal standards and operating procedures. The major activities and achievements of the department during the academic year 2019-20 are furnished below.

Faculty Profile

Dr.Jasin Rahman. V.K,

Assistant Professor and Head

Rohini Krishna. M.V, *Assistant Professor*

Aseeb. A.K, *Assistant Professor*

Dr.Mumthas Yahiya, *Guest Faculty*

Positions Held By Faculties

Dr.Jasin Rahman. V.K.

- Faculty advisor of B.Sc. 2018-21 batch
- Member of Staff council, IQAC, Research committee, Discipline Committee and Library Council
- Department coordinator of IQAC
- Department coordinator of NAAC

Rohini Krishna. M.V.

- Faculty advisor of B.Sc. 2019-22 batch
- SSP and WWS internal mentor for 2018-21 batch
- Faculty in charge of Department library
- Department coordinator of Arts and Sports competitions
- Department coordinator of certificate course
- Coordinator of Virtual lab for B.Sc. Zoology students

Aseeb A.K.

- Faculty advisor of third year B.Sc. 2017-20 batch
- Member of Discipline Committee
- Coordinator of Health Club

Achievements of Students

- **Adithyasankar. S** attended All India ThalSainik Camp, 2019 held at DGNCC, New Delhi and won Gold Medal in Health and Hygiene competition amongst 17 directorates
- **Vinitha. V** attended Para Jumping Basic Course held at AATS Agra. She did three jumps from a height of 1250 ft and earned Para Jumper Badge.



- **Liyakhath Ali. A** attended National Basic Mountaineering Course (BMC 136) at Pahelgam, Jammu and Kashmir.
- **Adithya Dinesh** won first place in 400 m sprint (Junior Men under 20) held at LB Stadium, Kollam on 21.09.2019 organized by Kollam District Athletics Association.
- **Liyakhath Ali. A** won Third place in Shot Put held at LB Stadium, Kollam on 21.09.2019 organized by Kollam District Athletics Association.
- **Liyakhath Ali. A** won Third place in 4x100 m relay held at LB Stadium, Kollam on 21.09.2019 organized by Kollam District Athletics Association.
- **Liyakhath Ali. A** won Third place in Discus Throw held at LB Stadium, Kollam on 21.09.2019 organized by Kollam District Athletics Association.
- **Liyakhath Ali. A** won Third place in Shot Put held at University Stadium, TVM 12.12.2019 organized by University of Kerala.
- **Shahul Hameed** won Second prize in 80 kg Wushu Intercollegiate competition on 26.02.2020 at Sreepadham Stadium, Attingal.

Workshops/Seminars/Programmes Attended

- **Dr.Jasin Rahman. V.K.** attended Orientation Programme held at HRDC, Kerala University from 13th June to 03rd July 2019.
- **Dr.Jasin Rahman. V.K.** chaired a session in International Conference on Energy and Environment conducted jointly by Physics, Chemistry and Mathematics department on 14.12.2019.

- **Dr.Jasin Rahman. V.K.** attended refresher course held at HRDC, Kerala University from 11th to 24th January 2020.
- **Mr. Aseeb. A.K.** attended a Two-Day National Seminar and hands-on Training on 'e-Learning: Future of Higher Education, The Role of Moodle as an LMS' organized by Dept. of Zoology, BJM Govt. College, Chavara on 30 and 31 January 2020.

PTA Meetings

- 2019-22 batch) - 13.11.2019
- 2018-21 batch) - 18.02.2020
- 2017-20 batch) - 18.07.2019 & 09.01.2020

Research Papers Published

Dr. Jasin Rahman. V. K.

1. Babu, A., Rahman, V.J., Ayri, S., Roobakkumar, A., Poorani, J. and Ramamurthy V.V. 2020. Diagnoses and Re-description of Coccinellid beetles, *Stethorus rani* Kapur and *Stethorus aptus* Kapur (Coleoptera: Coccinellidae) on tea red spider mite *Oligonychus coffeae* (Nietner) (Acari: Tetranychidae). International Journal of Tropical Insect Science. <https://doi.org/10.1007/s42690-020-00136-5>

Rohini Krishna. M. V.

1. Gomathi, P., Anil, M.K., Raheem, P.K., Raj, N.P., Krishna, M.V.R., Gop, A.P., Surya, S. 2020. Egg and Larval Development of Serranid Fish *Marcia's Anthias*, *Pseudanthias Marcia* (Subfamily: Anthiinae) Spawned and Reared under Captive Condition. *Thalassas* 36: 23-31.

* * *



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 insitu conserved biodiversity area) one of the highlights of the department, is a 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 and is identified and listed out.

Faculty Profile

Dr. Bobby T. Edwin,

Assistant Professor

Dr. M.J. Sheeba

Assistant Professor

Ms.Jisha M.S

Assistant Professor

Ms.Nayana Vayalil,

Assistant Professor (Guest Faculty)

Mr. Anto Mathew

Assistant Professor (Guest Faculty)

Position Held by Faculties

Dr. Bobby T. Edwin

- HOD, Research guide
- Co-ordinator of Nature club
- 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.

- First year Faculty Advisor
- WWS internal mentor
- SSP resource person
- IQAC sub-committee member.

Ms.Nayana Vayalil

- Second year Faculty Advisor

Programmes organized by the department

Fragrance 2019



Plant Identification Service

Plant Bionomical Identification Service was inaugurated at Kids Park in Asramam on 31/08/2019. It was jointly organized by the Department of Botany, Nature club and DTPC Kollam and inaugurated by Dr Smitha P.G., Principal of the college and DTPC secretary Mr Santhosh.



Inauguration of plant identification service



Postgraduate Department of Commerce

About the Department

Department of Commerce established in the year 1965 is one of the departments established at the inception of college. The department had the privilege of starting B.Com Degree in Finance and Taxation in the year 1979 and was one of the first departments to start Post Graduate programme in Commerce

way back in 1981. In the year 2014, the department became the first ever department in the college which offers two Under Graduate Programmes with the commencement of B.Com Computer Application, besides the existing UG Programme offered ever since 1979 viz., B.Com Finance.

Faculty Profile

Sl No.	Name	Qualification	Designation
1	RuksanaSulthana. A. H	M Com	Assistant Professor
2	Shiny Salam	M Com, MBA	"
3	Dr.Shehnaz. S.R	M Com, Ph.D, B Ed	"
4	ThanseenaBai. R	M Com, B Ed	"
5	Firoskhan A	M Com, M Phil	"
6	Maheen M	M Com, CA Inter	"
7	Dr.SulfiyaSamad	M Com, B Ed	"
8	Jeena R	M Com, B Ed	"
9	Anasmon S	M Com	Guest Faculty
10	Akhil Mohan	M Com, CMA	"
11	Saidali S	M Com	"
12	Ramzy	M Com	"



Achievements of Faculties

1. RUKSANA SULTHANA A. H. , M Com.

- Head of the Department,
- Assistant Professor
- Convener of Extension Activity: Women's Studies Unit,
- Board of Director of Co-operative Credit Society, T.K.M.C.A.S
- Member of Discipline Committee.

Broad Area of Specialization

- Consumer Behaviour, e-Business, Digital Marketing
- Member of Fostering Linkages in Academic and Research (FLAIR)
- Programme since 2013.

Research

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

Participation in Seminars and Conferences

- o Participated in three day Workshop on "Applied Regression Modelling And Report Writing in Business Research" on 28th, 29th & 30th October 2019 at Govt. College, Nedumangad.
- o Participated in National workshop on Research Methods – Concepts and Connections organized by Post Graduate Department of Commerce, T.K.M College of Arts And Science on 17th & 18th January 2020.
- o Participated in International Workshop on Digital marketing applications organized by Cochin University of Science and Technology on 3rd, 4th & 5th February 2020

Achievements and Awards:

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

2. SHINY SALAM, M Com, MBA

- Assistant Professor
- Convenor of extension activity: Planning Forum Club
- Member of Indian Accounting Association
- Member of Fostering Linkages in Academic and Research (FLAIR) programme since 2013.
- Co-ordinator-WWS Programme 2019-20
- Member of Malpractice Prevention Squad constituted by the University of Kerala for Kollam District for the period from 28/11/19 to 17/12/2019

Broad Area of Specialization

- Capital Market and Derivatives

Research

Working on the topics:

- o "Prospects of Forest Tourism in Kerala- research area.
- o "Corporate Social Responsibility practices of public Limited Companies of Kerala"- Minor research project.

Publications

- o The Plethora of Leakages in Tax System –Capping the Direct Taxes component of Personal tax in terms of their variability, Studies in Indian Place Names, Vol: 40 issue:46, February 2020 pp 411-418
- o The Predators Assuage To The Prey – The Effectiveness of CSR Initiatives of Companies In Kerala, MuktShabd Journal, VOLUME IX ISSUE IV(S) 2020 – 5, ISSN NO : 2347-3150, pp 1-9 DOI:09.0014. MSJ.2020.V9I4(s).0086781.1700, available at: <http://shabdbooks.com/gallery/1-april%20spe,%202020af.pdf>
- o Resurgence of small eateries – The successful business model of online food apps in major cities of Kerala. Our Heritage, 68(43), 522-536. available at: <https://archives.ourheritagejournal.com/index.php/oh/article/view/4681>
- o Family Prosperity Cajoled Women – The Pertinent Requite for Entrepreneurship? An Empirical Analysis of Production Problems Confronted by Microenterprises

Under Kudumbashree Mission in Kerala, Asian Journal of Multidimensional Research (AJMR), April 2019 Vol.8Spl Issue 2, pp.748-759, ISSN online 2278-4853

Participations in Faculty Development Programmes:

- o Attended Refresher Course on Commerce and Management from 01-08-2019 to 14-08-2019.

Seminars, Conferences and Workshops Attended

- o Participated in one day workshop on Research Methodology organized by P G Department of Commerce and Research Centre, SD college, Alappuzha on 13th July 2019.
- o Attended Five day Workshop on Research and Society- the QIT Approach conducted by the Department of Commerce, University of Kerala, Karyavattom Campus from 27th to 31st August, 2019.
- o Participated in the "workshop series on Research Methodology-II" Organized by Post graduate Department of Commerce and Research Centre, SD college, Alappuzha on 12th October 2019
- o Participated in IEDC summit 2019 organized by Kerala Startup mission on 19th October, 2019 at Sahradaya college of Engineering, Kodakara, Thrissur.
- o Attended one day Planning workshop in connection with the Residential Camp for 1st year Higher secondary/VHSC, Commerce & Humanities students at Science and Technology, PMG, Tvm on 18/12/19.
- o Participated and Presented in the International Conference organized by Indian Accounting Association, Jodhpur Branch on December 28th and 29th, 2019.
- o Participated in National workshop on Research Methods - Concepts and Connections organised by Post Graduate Department of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.
- o Participated in the three day International Seminar on "Business Models- Government Borrowings and Sourcing Finance for scaling business operations" organized by department of Commerce, University of Kerala during 20th - 22nd January, 2020.

3. Dr. SHEHNAZ S.R., M Com, B Ed, PhD

- Assistant Professor
- Member of Indian Accounting Association
- Convener of Extension Activity: Entrepreneurship Development Club
- Member of Research Committee of the college
- Member of Editorial Committee of College Research Journal
- Faculty Advisor of S6 B.Com Computer Application

Area of Specialization

- o Finance, MSME Sector, Women Entrepreneurship, Security Analysis

Research

- o Recognized Research Guide under University of Kerala

Publications

- o Taking a Day to Learn or Lifetime to Master - Empirical Evaluation of Marketing Efforts of Women Micro Enterprises Under Family Prosperity (Kudumbashree Mission in Kerala, MuktaShabd Journal, Volume IX, Issue V, May 2020, ISSN No.2347-3150, pp 1028-1038 available at: <http://shabdbooks.com/gallery/108-may-2020.pdf>
- o Goods and Service Tax Regime: A Probe into the ensemble on Healthcare sector, Studies in Indian Place Names, Vol: 40 issue:46, February 2020 pp 307-313
- o The Plethora of Leakages in Tax System -Capping the Direct Taxes component of Personal tax in terms of their variability, Studies in Indian Place Names, Vol: 40 issue:46, February 2020 pp 411-418
- o The Predators Assuage To The Prey - The Effectiveness of CSR Initiatives of Companies In Kerala, MuktaShabd Journal, VOLUME IX ISSUE IV(S) 2020 - 5, ISSN NO : 2347-3150, pp 1-9 DOI:09.0014. MSJ.2020.V9I4(s).0086781.1700, available at: <http://shabdbooks.com/gallery/1-april%20spe,%202020af.pdf>
- o Resurgence of small eateries - The successful business model of online food apps in major cities

of Kerala. Our Heritage, 68(43), 522-536. Available at: <https://archives.ourheritagejournal.com/index.php/oh/article/view/4681>

- o Women Entrepreneurship enticed Family Prosperity- An Empirical evaluation of performance of microenterprises under Kudumbashree mission in Kerala, India, International Journal of Entrepreneurship and Small Business, Inderscience Publishers, 2019 Vol.38 No.1/2, pp.120-140 ISSN online: 1741-8054, ISSN print: 1476-1297, - available at:

<https://www.inderscience.com/info/inarticle.php?artid=102514>

- o Family Prosperity Cajoled Women – The Pertinent Requite for Entrepreneurship? An Empirical Analysis of Production Problems Confronted by Microenterprises Under Kudumbashree Mission in Kerala, Asian Journal of Multidimensional Research (AJMR), April 2019 Vol.8 Spl Issue 2, pp.748-759, ISSN online 2278-4853 – available at: <https://www.tarj.in/images/download/AJMR%20APRIL%20%202019%20SPECIAL%20%20ISSUE%20%20FULL%20JOURNAL.pdf>

Participation in Seminars, Workshops and Faculty Development Programmes

- o Participated and Presented in the Two day National Seminar on “Cross-Border Trade and Investments among Emerging Economies” organized by Department of Commerce in association with Kerala State Higher Education Council, Thiruvananthapuram on 4th & 5th October, 2019
- o Participated in IEDC summit 2019 organized by Kerala Startup mission on 19th October, 2019 at Sahradaya college of Engineering, Kodakara, Thrissur.
- o Participated and Presented in the International Seminar on “Accounting Education & Research” organized by Department of Accounting, Faculty of Commerce and Management Studies, Jai Narain Vyas University, Jodhpur & Indian Accounting Association, Jodhpur on December 28-29, 2019.
- o Participated in National workshop on Research Methods – Concepts and Connections organized by Post Graduate Department of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.

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

- Assistant professor
- Faculty Advisor of S6 B com Finance (2017-2020)
- Convener of performing arts and cultural club

Area of specialization

- o Finance and Management

Research

- o Doing PhD.D in Commerce under University of Kerala on the topic Impact of power shortage on the functioning of industries in Kerala.

Participation in Seminars , Conferences and Faculty Development Programmes

- o Attended UGC sponsored Orientation Programme conducted by UGC HRDC, University of Kerala from 13-06-2019 to 03-07-2019.
- o Participated in one day workshop on Accounting Standards organized by Department of Commerce, St. Stephen's College, Uzhavoor, Kottayam on 15th October, 2019
- o Participated in National workshop on Research Methods – Concepts and Connections organized by Post Graduate Department Of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.

5. FIROSKHAN A., M Com, M Phil

- Assistant Professor
- Member, Discipline Committee
- Member, Library Development Council
- Member, Ethics Committee
- Secretary, Credit Cooperative Society
- Secretary, Consumer Cooperative Society
- Treasurer, Alumni Association
- Faculty Advisor, B.Com (Finance), S4 (2018-2021)
- Mentor, Walk With Scholar Programme

Area of specialization

- o Direct Tax Laws and Practice, Accounting and Finance

Research

- o 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

- o Participated in a UGC sponsored National seminar on Intellectual Property Rights at S.G. College Kottarakkara on 28th May 2019
- o Participated in the UGC sponsored refresher course in Human Rights (multidisciplinary) conducted by HRDC, University of Kerala from 12th June 2019 to 25th June 2019
- o Participated in the National workshop on Questionnaire Designing-Basics and Relevant tests on 25th and 26th July 2019 at School of Business Studies, Dept. of Commerce and Management Studies, University of Calicut.
- o Attended state level workshop on Applied Learning of Accounting Standards organised by the Post Graduate Department of Commerce, Nirmala College, Muvattupuzha, on 4th September 2019
- o Participated in the Three Day National workshop on Statistical Data Analysis with micro soft excel organised by Govt. College, Kattappana from 16th to 18th December 2019
- o Participated in National workshop on Research Methods – Concepts and Connections organized by Post Graduate Department Of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.

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 institutions and its impact on the Macro economic variables, Asset Pricing, International Financial Reporting and its convergence, Volatility of market, Financial modelling, International taxation.

Participation in Seminars, Conferences and workshops

- o Participated in National workshop on Research Methods – Concepts and Connections organized by Post Graduate Department Of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.
- o Presented and Chaired in the International Conference on Economic Modelling and Data Science (EcoMod 2019) organized by University of Azores, Portugal and Ecomod Network on July 2019
- o Presented a paper in the COSMAR 2019, organized by Department of Management Studies, IISc, Bangalore.
- o Presented a paper in the Three days national seminar held at Maharaja's College (Govt Autonomous College) Ernakulam on Nov 2019

Achievements and Awards:

- o Received UGC Travel grant for attending international Conference at Portugal
- o Member of Economic Modelling Network (EcoMod)
- o Submitted UGC Minor Research Project on the topic "Tracking Error Performance – a Robust Method for Active Management of Indian Mutual Funds
- o Member of the Fostering Linkages in Academic and Research (FLAIR) programme.

7. Dr. SULFIYA SAMAD M Com, B Ed, PhD

- Assistant Professor
- WWS internal mentor
- Co-ordinator of EKSB Club
- Course Co-ordinator of Department Certificate Course



Area of Specialization:

- o Planning and Rural Development and MSME Sector

Achievements and awards

- o Got third prize in Essay Writing Competition conducted by Government of Kerala on "Role of Coir Industry in the development of rural economy" as part of Coir Kerala.

Research

- o PhD awarded in Commerce under Mahatma Gandhi University on 2nd September 2019

Publications

- o "Productivity And Growth In Fish Processing Sector: TheKerala Scenario", MukthSabd Vol.9, Issue 5, ISSN 2347-3150, May 2020
- o Trinity Of Economic Theories: Similarity Study Of JcKumarappa, Sen And Islamic Economics, JAC : A Journal Of Composition Theory, Volume XIII, Issue VI, ISSN : 0731-6755, JUNE 2020, pp: 399

Seminars, Conferences, Workshops and Faculty Development Programmes

- o Attended UGC sponsored Orientation Programme conducted by UGC HRDC, University of Kerala from 16-10-2019 to 05-11-2019.
- o Participated in National workshop on Research Methods – Concepts And Connections organized by Post Graduate Department Of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.
- o Attended Refresher Course on Education and Teaching Methods conducted by UGC HRDC, University of Kerala, Karyavattom campus from 04-03-2020 to 17-03-2020.
- o Presented a paper in the "International Conference on Islamic Banking in Indian Scenario", titled Trinity of Economic theories: A similarity study of J C Kumarappa, Sen & Islamic Economics" at Department of Commerce and Management Studies, University of Calicut on 2nd May 2019.

8. JEENA R, M Com, B Ed

- Assistant Professor
- Faculty Advisor B.Com 2019-22 Batch
- Co-ordinator Human Rights Forum
- Internal Mentor Walk With the Scholar
- Internal Mentor Scholar Support Programme

Areas of specialization:

- o Business Management, Banking and Finance, Business Laws

Research:

- o Area of interest is Banking and Finance in general and Financial Inclusion in particular. Thrust areas are Inclusive Banking and Financial Literacy.

Seminar, Workshops and Conferences Attended:

- o Participated in National workshop on Research Methods – Concepts And Connections organized by the Post Graduate Department Of Commerce, T.K.M College Of Arts And Science on 17th & 18th January 2020.
- o Participated in one day workshop on Master Mentor Training Programme of Walk with a scholar programme organized by the New Initiatives in Higher Education on 29th August, 2019, at Govt. Women's College, Trivandrum.
- o Participated in National Summit on EXIMIUSE-SUMMIT, IIM BANGALORE from 9/8/2019 to 11/8/2019

Achievements of Students

Competitive Exams

- Haifa J, Fathima Beevi and Suwaina of MCom batch(2018-2020) qualified the National Eligibility Test (NET) in June 2019.

University Level Competitions

- Ashik Abdul Majeed of BCom Computer Application Batch (2017-2020) participated and had been selected as the Player of the Match in the match between TKM College of Arts & Science, Kollam and DB College, Sasthamkotta in the third round of Kochi city championships of Reliance Foundation School Football 2019-2020 organized by Reliance Foundation Youth Sports.

Other Awards and Achievements of Faculties

- **Sri. Maheen M** Participated and presented a paper in an International Conference "ECONOMIC MODELING AND DATA SCIENCE, ECOMOD 2019" organized by University of AZORES, Ponta Delgada, Portugal during July 2019 and UGC Travel grant(100%) was sanctioned for the same.
- **Smt. Sulfiya Samad** ,Assistant Professor, Department of Commerce completed her PhD in Commerce from Mahatma Gandhi University, Kottayam, Kerala during the Academic

year 2019-2020 on the topic "Effect of liberalisation in fish processing industry- a study on Micro and Small units in Kerala" under the guidance of Dr. Jacob Thomas, Former Professor and HOD, CMS College, Kottayam. Her open defence was conducted on 2nd September 2019 and She was awarded PhD on 5th October, 2019

- **Smt. Shiny Salam** and **Dr. Shahnaz S R** attended 46th All India Accounting Conference organized by Indian Accounting Association, held at Jodhpur, Rajasthan on 28th and 29th December, 2019.

WYSTAWA 2020 (From 27th January to 29th January)

The present era of academic world have students with highly intellectual traits who have shown their creativity in almost every field. Ample opportunities are available for the students to express their passion and pioneering skills both in the academics and co-curricular activities.

Department of Commerce is always committed to provide such opportunities to exhibit their talents and skills.

As part of this initiative, the Department organized a three day Commerce Expo titled 'WYSTAWA 2020' from 27th January to 29th January 2020. The students actively took part in the exhibition and utilized the opportunity to exhibit their flairs and talents through various activities like working models, still models, charts, game zones, food court and so on.

This Expo had imparted a different level of experience to the students.



Photos of the event

EMINENCE-Commerce Association Day(10 th March 2020)

The Department celebrated the Commerce Association Day with special focus on academic activities. The former HOD of the Department of Commerce, Dr. Sirajudeen inaugurated the function, and alumni of the Department and Cine Artist Sri.

Renjith was the chief guest. Presence of both of them on a single platform was indeed a graceful experience for the students and faculties. University Rank holder of M.Com Miss.Lekshmi was honoured with a memento.



Inaugural address-Dr. Sirajudeen



Post Graduate & Research Department of Physics

About the Department

The Department of Physics started in the year 1980, and started offering Post Graduate course since 1998. The department is a leading research department in the college. The University of Kerala recognized it as a Research Centre in 2013.

Faculty Profile

NAME	DESIGNATION	SPECIALIZATION	ROLE
Sajna N K	Associate Professor	Material Science	Head of the Department
L. Ushakumari	Associate Professor	Material Science	Faculty Adviser 2 nd MSc
L.R Aparna	Assistant Professor	Nuclear Physics	Faculty Adviser 1 st MSc, DST-FIST committee member, Disciplinary Committee member, WWS internal mentor, IQAC Department Coordinator
Dr. P K Manoj	Assistant Professor & Research guide	Thin Films	DST-FIST committee member, , Research committee member, Research journal convener Faculty Advisor 3 RD DC (From October onwards) 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 1 st DC, WWS Resource Person, Coordinator-Environmental club, Website committee coordinator, SSP mentor, Coordinator –Certificate courses conducted by Department of Physics



Dr. Renjith R (upto July)	Assistant Professor & Research guide	Computational Spectroscopy	WWS internal mentor
Dr. Shabna R (upto November)	Assistant Professor	Condensed Matter Physics	Faculty Adviser 3 rd DC SSP mentor
Safir T K	Assistant Professor	Quantum Gravity	Faculty Adviser 2 nd DC, Coordinator of Physics Forum, IQAC member, College level University Exam cell member
Dr. Shergina Beegum	Guest Faculty	Computational Spectroscopy -	
Vanaja Raghavan J R	Guest Faculty	Material Science	
Dr. Aiswarya R (From November)	Guest Faculty	Material Science	

Duties Assigned to Faculties

- **Dr. M. Mohammed Salim** – Coordinator Sasthrapadham 2020
 - Coordinator of certificate courses conducted by Department of Physics
 - Member, organizing committee iCEE 2K19
 - Internal mentor of WWS of BSc S4
 - Member, Website Committee
- **Dr. R. Renjith** – Internal mentor of WWS
- **Dr. R Shabna** – Resource Person SSP
- **Dr. PK Manoj** – Conveners of iCEE 2K19
- **Prof. Aparna L R** – Conveners of iCEE 2K19
 - Internal Mentor WWS
- **Sajna N K** – Conveners of iCEE 2K19
- **Ushakumary L** – Member, organizing committee iCEE 2K19
- **Safir T K** – Member, organizing committee iCEE 2K19
 - Member IQAC
- **Dr. Shergina Beegum** – Member, organizing committee iCEE 2K19

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.

Achievements of Students

- **Aparna J** of S2 MSc is selected to the Kerala University ball badminton team and participated in National Ball badminton Championship held on 7th and 8th January 2020 at Hyderabad.

- **Abhijith Sharma, Vinayak V and Karthik Krishnan** of BSc S5 were members of college team which won the Kerala University Chess Championship. Abhijith Sharma was selected to the University Chess team and participated in Interuniversity south zone championship.
- **Vinayak S** of S6 BSc Physics successfully completed NCC B certificate.
- **Vinayak S** of S6 BSc Physics participated and successfully completed catc camp patharam from 30th April to 9th May 2018.
- **Vinayak S** of S6 BSc Physics participated and successfully completed catc camp punalur from 3rd April to 12th April 2019.
- **Athulya Sekhar** participated and successfully completed the All India NCC trekking expedition in the Nilgiris camp during May 2019.
- **Athulya Sekhar** participated and successfully completed EBSB II Rajasthan DTE held at Lexmi Nivas Hostel Bharatpore from 11 November to 22 November 2019.
- **Abhijith Sharma, Vinayak V, George Joseph, Roshna Ayoob and Sajana Abdul Salam** participated and qualified in District level Young India Programme and participated and presented their ideas in state level competition.
- **Devika Rani** of S4 Physics participated and qualified in District level Young India Programme and participated and presented their ideas in state level competition and won prizes.
- **Aliya Thasnim and Sreelekshmi** of S2 BSc physics secured first prize in the Intercollegiate Science Quiz programme held at SG College Kottarakkara as part of science day celebrations on 25th February 2020.
- **Amal Krishna and Rafeekh** of S2 BSc Physics secured first and Second prizes respectively in the essay writing competition on the topic "Practical alternatives for plastic ", conducted during the complete eradication of usage of plastic Programme by Kottankara Gramapanchayat in association with the Department of Zoology, NSS of TKMCAS Kollam and Safe Kerala Kollam held at TKM college of Arts and Science on 24th and 25th February 2020.
- **Aaliya Thasneem and Sreelekshmi K V** of S2 Physics won third Prize in the inter department Science quiz conducted by Department of Chemistry as part of Inauguration of Chemistry association.
- **Sreelekshmi K V and Aaliya Thasnim** of s2 BSc physics won second prize in the ENCON club quiz conducted by BPCL Kochi refinery in connection with SAKSHAM oil & Gas conservation mass awareness campaign on 5.3.2020 at SN College Kollam
- **Sreelekshmi K V** attended the short term course on Environmental management for green future organized by department of Botany TKMCAS in association with KSCSTE on 9th 10th and 11th January 2020.
- **Pramod M** of s6 Physics was a member in the team who won third prize in 4x100 m relay competition at Kollam district athletic championship held on 21.09.2019 at LB stadium Kollam
- **Pramod M** of s6 Physics won third prize in high jump competition at Kollam district athletic championship held on 22.09.2019 at LB stadium Kollam.
- **George Joseph, Vinayak V , Athul T and Karthik Krishnan** of S6 BSc physics won first prize in the inter collegiate treasure hunt competition conducted as part of Pi day celebrations by Department of Mathematics TKMCAS on 7th March 2020.
- **Yousaf K and Nadiya** of S2 BSc Physics won second prize in "wild wisdom quiz" conducted by Department of Zoology and WWF -India in association with the 'World wildlife day observance" on 3rd March 2020.
- **Gopikrishnan** of S4 BSc physics won first prize in the inter collegiate troll competition conducted by Physics Forum TKMCAS in association with National Science Day celebrations on 28th February 2020.



Participation in Seminars and Workshop by Faculties and Students

Participation of faculties in Seminars and Workshops

1. **Prof Sajna N K** was a member of organizing committee in iCEE 2K19 on 12th to 14th December 2019'
2. **Prof Ushakumary L** was a member of organizing committee in iCEE 2K19 on 12th to 14th December 2019
3. **Dr. P K Manoj** participated in Orientation Course at Academic Staff College, University of Kerala, Kariavattom Campus from 3rd January to 23rd January.
4. **Dr. P K Manoj** participated in the Webinar on 'Importance of Environmental Consciousness and sustainability in Accreditation of Higher education Institutions' conducted by TKM College of Arts and Science, Kollam on 29.5.2020
5. **Dr. P K Manoj** participated in the Webinar on 'Reinventing Quality Assurance: A post pandemic Guide to teachers' conducted by TKM College of Arts and Science, Kollam on 19th and 20th May 2020
6. **Dr. P K Manoj** was coordinator of organizing committee in iCEE 2K19 on 12th to 14th December 2019
7. **Aparna L R** was coordinator of organizing committee in iCEE 2K19 on 12th to 14th December 2019
8. **Aparna L R** participated in the Webinar on 'Unsolved Problems in Physics' conducted by APT on 23.5.2020.
9. **Aparna L R** participated in the two day Webinar "Current trends in Material Science" conducted by Christian College, Chengannur on 26th and 27th may 2020.
10. **Aparna L R** participated in the Webinar on 'Classroom to Online platform: Dealing with Transition in Teaching Learning Process' conducted by Little flower College on 23.5.2020.
11. **Aparna L R** participated in the Webinar on '3D Metallic Printing' conducted by Marthoma College for Women, Perumbavoor on 28.5.2020.
12. **Aparna L R** participated in the National Webinar on 'Advanced Materials for Future' conducted by Morning Star College Angamali on 29.5.2020.
13. **Aparna L R** participated in International Webinar on 'Equations as a tool to develop an integrated education' conducted by Sir Sayd College Thaliparamba on 29.5.2020.
14. **Aparna L R** participated in the Webinar on 'NAAC accreditation for Autonomous/ Affiliated Colleges' conducted by St. Thomas College Thrissur on 22.5.2020.
15. **Aparna L R** participated in the Webinar on 'Reinventing Quality Assurance: A post pandemic Guide to teachers' conducted by TKM College of Arts and Science, Kollam on 19th and 20th May 2020.
16. **Aparna L R** participated in the Webinar on 'Importance of Environmental Consciousness and sustainability in Accreditation of Higher education Institutions' conducted by TKM College of Arts and Science, Kollam on 29.5.2020.
17. **Safir T K** participated in the Webinar on 'Importance of Environmental Consciousness and sustainability in Accreditation of Higher education Institutions' conducted by TKM College of Arts and Science, Kollam on 29.5.2020
18. **Prof. Safir T K** participated in short term course on "Gravitation and Cosmology" at Providence College, Kozhikkode November 25th to 30th 2019.
19. **Prof. Safir T K** participated in Orientation Course at Academic Staff College, University of Calicut, from 10th february to 29th February 2020.
20. **Safir T K** participated and presented a poster in the international conference on theoretical and experimental Physics on 5th and 6th February 2020 at Farookh College.
21. **Safir T K** was a member of organizing committee in iCEE 2K19 on 12th to 14th December 2019'
22. **Safir T K** participated in one day workshop on hands on training on PFMS organized by IQAC SN College Kollam and PFMS-SPMU on 21st august 2019.
23. **Safir T K** was the resource person of the orientation course for science teachers conducted by TKMCAS on 22.5.2019.

24. **Safir T K** was the coordinator for one day seminar on EXPEYE held at TKMCAS on 18.10.2010.
25. **Safir Tk** was one of the resource persons of Sasthrapadham 2020 held at TKMCAS on 23rd to 25th January 2020.
26. **Safir T K** participated in the Webinar on 'Reinventing Quality Assurance: A post pandemic Guide to teachers' conducted by TKM College of Arts and Science, Kollam on 19th and 20th May 2020
27. **Safir T K** participated in online training course on make and edit video classes conducted by Christ college, Iringalakuda from 1st May to 5th May 2020.
28. **Dr. Mohammed Salim** participated in the Webinar on 'Reinventing Quality Assurance: A post pandemic Guide to teachers' conducted by TKM College of Arts and Science, Kollam on 19th and 20th May 2020
29. **Dr. Mohammed Salim** participated in the Webinar on 'Importance of Environmental Consciousness and sustainability in Accreditation of Higher education Institutions' conducted by TKM College of Arts and Science, Kollam on 29.5.2020
30. **Dr. Mohammed Salim** participated in two day national workshop on technology for teaching, learning and assessment at CH Mohammed Koya memorial Govt. Arts and Science College Thanoor on 15th and 16th November 2019.
31. **Dr. Mohammed Salim** was the coordinator of Sasthrapadham 2020 held at TKMCAS on 23rd to 25th January 2020.
32. **Dr. Mohammed Salim** was a member of organizing committee in iCEE 2K19 on 12th to 14th December 2019'
33. **Dr. Mohammed Salim** participated in two day seminar on World environment day at TKM College of Arts and Science on 25-26 June 2019.
34. **Dr. Mohammed Salim** participated in a training program Nature education Camp in association with environmental club TKMCAS and Kerala forest and wildlife department on 20th and 21st December 2019.
35. **Vanaja Raghavan J R** participated and presented a poster in iCEE 2K19 on 12th to 14th December 2019.
36. **Dr. Shargina Beegum** was a member of organizing committee in iCEE 2K19 on 12th to 14th December 2019'
37. **Dr. Aiswarya R** was a member of organizing committee in iCEE 2K19 on 12th to 14th December 2019'
38. **Dr. Aiswarya R** participated in the Webinar on 'Reinventing Quality Assurance: A post pandemic Guide to teachers' conducted by TKM College of Arts and Science, Kollam on 19th and 20th May 2020

Participation of Students in Seminars and Workshops

MSc (S1) students participated in national conference on fundamental and applied Physics conducted by University College Thiruvananthapuram on 12th and 13th November 2019.

Publications

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" -Presented a paper in International Conference on Energy and Environment (ICEE-2019) held at TKMCAS, Kollam.
2. **Aswathy B R, P K Manoj**, "Effect of deposition parameter on structural and optical properties of Sol-gel derived tin oxide thin films", Presented a paper in International Conference on Energy and Environment (ICEE-2019) held at TKMCAS, Kollam,
3. **Aswathy B R 1a), P K Manoj 2, Dalia Vishnudasan 3-** "Bio-synthesis and Characterization of ZnO Nanoparticles: Structural, Optical and antimicrobial studies" Presented a paper in International Conference on Energy and environment (ICEE-2019) held at TKMCAS, kollam
4. **Safir Tk, Ahamed Rizwan C.L.**, "Thermodynamic Phase transition of Vanderwaal's Black holes" presented a poster in International conference on theoretical and experimental Physics held at Farookh College on 5th and 6th February 2020.



Department of Islamic History

About the Department

Department of Islamic History 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. **Prof. Shajitha S. M.A, B.Ed, M.Phil**
Assistant Professor and Head
2. **Dr. Finser K. Muhammed M.A, B.Ed, PhD, UGC-NET**
Assistant Professor
3. **Dr. Thanveer T. M.A, UGC-NET/JRF**
Guest Lecturer in Islamic History

Following are the major events conducted by the department during the academic year 2019-2020 (till December 2019)

➤ Day Observance –Anti Dowry Day

The Department of Islamic History collaboration with 'Mithra' -Women's Cell observed Anti Dowry

Day on November 26, 2019. Students also shared their comments and thoughts regarding the gender inequality and inspired all to stand against the wicked tradition.

➤ Language Drill

Department of Islamic History conducted Language drill to practice the English language, pronunciation and vocabulary for the students. Students interacted each other in the given theme and they played a conversation drill.

➤ Skill Development Programme

The programme aimed at the promotion of self-employment as well as a leisure pursuit in environment friendly creative arts and crafts. It was a training based programme on arts, crafts, painting, tailoring, embroidery, jewellery making etc. Ms. Fathima S. imparted training in the skill based programme and the students eagerly participated in the programme, and they learned the skills.

➤ Cleaning Campaign

Department together with UBA (Unnat Bharat Abhiyan) initiated cleaning drive as a part of Gandhi Jayanti Celebration on October 2, 2019. The campaign was mainly focused on creating awareness and educating the public on waste management. The students of the department with all the faculties engaged in the cleaning activity at Adventure Park, Kollam.

Duties Assigned

Shajitha S.

- Head of the Department
- Hostel warden (Chief 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)
- SSP Internal Mentor
- Member, IQAC.

- Faculty Advisor, Blue House (Departments of Physics and Islamic History).
- Faculty Advisor, 5th and 6th Semester.

Dr. Thanveer T.

- Faculty Advisor, 3rd and 4th Semester.

Awards, Honors and Scholarships

- **Vishnu R** of III B.A. won the second position in 10000m running event in the Kollam District Athletics Championship organised by Kollam District Athletics Association held on 21 September 2019.
- **Vishnu R** of III B.A. won the third position in 5000m running event in the Kollam District Athletics Championship organised by Kollam District Athletics Association held on 22 September 2019.

Department of Physical Education



The sporting calendar of this year was once again full with a wide range of sporting opportunities available to our students and staff. The department of Physical Education organized sports and games competitions in cricket, football, volleyball, basketball, badminton, kabaddi, table tennis, chess and throw ball. The sporting festival of the year started in the month of January-2020 and concluded in March -2020 with the mega event of Annual Sports Day.

The Annual Sports Day was held on 20.03.2020 at TKM college ground. Principal of the college Dr.P.G.Smitha officially inaugurated the event. After the glowing opening ceremony, competitions were held in various track and field events for the students and faculties. Students of all the batches actively participated in every competition with great sportsmanship and manifested their athletic skill. Prizes were distributed to the winners.

Observance of National Sports Day



The National Sports Day of India was celebrated at TKM College of Arts & Science by paying tribute to the legendary hockey player Major Dhyan Chand. The invitee Dr. Ansari, Associate Professor, LNCPE

Trivandrum, addressed the gathering stating that education without sports activities is incomplete. Holistic development of a student is possible only when he/she is physically fit and emotionally balanced.

Observance of International Yoga Day



The department of Physical Education celebrated International Yoga Day' on 21st June-2019.

Miss. Asha Satyan, Assistant Professor & Head, Department of Fitness Management, St. Alberts College (Autonomous), Ernakulum, was the Chief Guest.

Achievements

- Abhijit Sharma- represented Kerala University team in the Inter- University Chess Championship
- Aparna J - represented Kerala University team in the Inter- University Ball Badminton Championship

- S. Anjana - won Silver Medal in the 1st South Zone Senior National Roll Ball Championship
- S. Anjana - Represented Kerala Team at XVI Senior National Roll Ball Championship
- Shane Sajan Jacob won Best Player Award in the Kerala University Inter-Collegiate Football Tournament.

Sl. No.	Name	Competition	Position	Event
1	Muhammed Asif N	Kerala University Inter Collegiate	II	110
2	Muhammed Asif N	Reliance Foundation Youth Sports Meet	I	110 M.H
			II	400 M.H
3	Afreethi M.N.	Kerala University Inter Collegiate	II	Javelin Throw
			III	Triple Jump
			III	Half Marathon
4	Vishnu A			
5	Liyakath Ali A		III	Shot Put
6	ARJUN S.	Kerala State Youth Men Boxing Championship	I	91+ Kg Category
7	Vinayak V	Kerala University Inter Collegiate	I	Chess
8	Abhijit Sharma			
9	Anoop P S			
10	Karthik Krishnan R			
11	Football Team	Don Bosco Inter-Collegiate Football Tournament	Runner-up	Football
12	Vishnu A	Kollam District Monsoon Marathon	I	Marathon
		Kollam District Athletic Championship	I	10 km
13	Muhammed Asif N.	Kollam District Athletic Championship	I	400 M.H
			I	110 M.H
			II	3000 M Steeple Chase
			III	4x100 M Relay
14	Adithya Dinesh		I	400 M
15	Pramod M		III	High Jump
			III	4x100 M Relay

Photos of Events and Winners













College Library

The TKM College of Arts and Science has an outstanding library with 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 34946 volumes covering various subjects in English, Hindi, Arabic and Malayalam. The library subscribes to more than 110 printed periodicals including research journals and magazines.

The library has a state of the art digital collection with high speed internet connectivity. This would ensure seamless access to up-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	1285
PG Students	210
Faculty Members	59
Others	25

Library Resources

Resources	No.
Text book	34946
Reference book	1550
e-Book	31 lakh N-LIST
Print Periodical	110
e-Journals	6000+ N-LIST
Digital Database	Nil
CD & DVD	90
Others Reports	200

Library Services

- Book Lending
- Reference
- Interlibrary loan
- Online Renewal
- Reprography
- Online document delivery
- News archives
- Mobile Public Access Catalogue (MoPAC)
- Career Support
- Current Awareness Services
- Selective Dissemination of Information (SDI)
- Articles Bibliography
- Online renewal system
- MoPAC (Mobile Public Access Catalogue)
- Library Orientation and User education

Mathrubhasha Diwas Celebration

Library in association with the department of Malayalam organized following programmes on the occasion of Mathrubhasha Diwas celebration as per the guidelines from UGC-SWRO, Govt. of India.

Book Exhibition

The library organized a book exhibition comprising classics of Malayalam literature. The exhibition was inaugurated by Dr. Madhu Vasudevan, renowned Malayalam lyricist. He told that the culture and heritage of a nation is recorded and preserved in the form of literature. The inaugural session was chaired by the Principal Dr. Smitha P.G., and Dr. Mohamed Musthafa., Librarian, welcomed the gathering. Sherin Aslam, HOD of English, Niyas S.M., Assistant Professor of English, Dr. Bobby T. Edwin, HOD of Botany, Dr. Shershah, HOD of Physical Education, Dr. Anas S., HOD of Chemistry and Dr. Manoj P.K., Assistant Professor of Physics attended. The book exhibition was held from 20 to 25 February, 2020.

Sahitya Quiz

A quiz competition led by Prof. Sangeetha Santhosh and Prof. Nancy Syril for the undergraduate students was conducted as part of Mathrubhasha Diwas celebrations on 20.02.2020 at seminar hall. Twelve groups from various departments participated in the quiz competition. Majority of the questions were based on Malayalam literature.

Mr. Aswin M.S, BSc. Chemistry, and Ms. Ajeena A. Rahim, BSc Physics won the first and second positions respectively. The third position was shared by Ms. Sreeleskhmi. K.V., BSc Physics, and Ms. Sulfiya Mol N., BSc Chemistry.



Dr. Madhu Vasudevan inaugurating the Book Exhibition event



Sahitya Quiz

Workshop on Public Library Management and Organisation

The college library organized a two week workshop on public library management and organization for the students of library science during the month of May, 2020. The programme was held at the Navodayam Vayanashala, Neeravil Kollam. 25 students participated in the workshop.



Workshop on Public Library Management and Organisation

Seminar titled Writing as Resistance

The college library in association with college union organized a seminar titled Writing as Resistance on 3.2.2020. The key note speaker of the seminar was Tenzin Tsundue, a Tibetan writer-activist fighting for the freedom of his motherland.

Result Analysis 2019-2020

Sl. No	Name of the dept	Class	Percentage of pass	vTopper /Rank
1	Mathematics	UG	86	 Fathima S
		PG	96	 Safiya Kamar
	Physics	UG	71	 Abhijith Sharma
		PG	77	 Arathi VB
	Chemistry	UG	87	 Joel George
		PG	87	 Nanditha B, (Kerala University First Rank)

Biochemistry	UG	87	 Farzana Sharafudeen
	PG	100	 Sruthy TR, First Rank, Kerala University)
			 Henal SA (Second Rank, Kerala University)
Botany	UG	80	 Souda S
Zoology	UG	49	 Fathima Navas

	English	UG	88	 Adithya Anilkumar
		PG	100	 Anju Chandran
	Islamic History	UG	55	 Ansia SK
	Commerce	UG-Finance	91	 Sruthy Pradeep
		UG- Computer Application	96	 Muhsina S
		PG	73	 Sreelekshmi S

Faculty Participation in FDP

Name of Faculty	Title of the Course	Department
Adersh V K	Number Theory,	Mathematics
Ajinza A	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Biochemistry
Aparna L R	Refresher Course on Astronomy and Astrophysics 2020	Physics
Aswathy M R	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Mathematics
Dr M Mohammed Salim	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Physics
Dr Mumthas Y.	"ONLINE COURSE ON BASIC BIO-INFORMATICS"	Zoology
Dr. Abdul Rahim M. K.	Orientation Programme	Chemistry
Dr. Ansil P N	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Biochemistry
Dr. Chithra Gopinath	ERUDITE Scholar in Residence Programme	Chemistry
Dr. Finser K. Muhammed	Higher Education during Covid Times and After: Challenges and Opportunities.	Islamic History
Dr. Jasin Rahman V.K.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Zoology
Dr. Latha B.	Refresher course in Environmental Sciences (interdisciplinary)	Biochemistry
Dr. S. Anas	ERUDITE Scholar in Residence Programme	Chemistry
Shafana Shaffi	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	English
Dr. Simimole H.	Online Refresher Course In Chemistry For Higher Education	Chemistry
Dr. Siyad M. A.	Orientation for NSS PO's	Chemistry
Dr. Sulfia S. Santhosh	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	English
Dr. Sumalekshmy S.	Online Refresher Course In Chemistry For Higher Education	Chemistry
Dr. Bobby T. Edwin	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Botany
Dr. M. J. Sheeba	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Botany
Firoskhan A.	Refresher Course	Commerce
Gayatry S.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	English
Harilal N. Thazhikkattuseril	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Mathematics

Haseena H.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Malayalam
Jeena R.	Eximius E-Summit	Commerce
Jisha M.S.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Botany
Lt.Libby K.S.	UGC- Sponsored Refresher Course in English Language and Literature	English
Lt. Dr. Tharun A. Rauf	ERUDITE Scholar in Residence Programme	Chemistry
Maheen M.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Commerce
Aseeb. A.K.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Zoology
Rohini Krishna M.V.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Zoology
Muhammed Roshan B.	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	English
Narayanaprasad M	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Mathematics
Nisamudeen Ashique P K	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Mathematics
Niyas S.M	UGC-Sponsored Orientation Programme, University of Kerala	English
Niza N	Instructional School for Teachers (IST)-on Rep Theory of finite groups	Mathematics
P K Manoj	165th Orientation Programme -HRDC University of Kerala	Physics
Ruksana Sulthana A. H.	International workshop on Digital marketing Applications	Commerce
Safir T K	UGC Sponsored Orientation Programme	Physics
Shehnaz S. R.	Goods and Services Tax	Commerce
Sherifa Rahim	Online Refresher Course In Chemistry For Higher Education	Chemistry
Sherin Aslam	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	English
Shiny Salam	Research and Society-The QIT Approach	Commerce
Soumya S	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Biochemistry
Dr. Sulfiya Samad	Addressing a Paradigm Shift - One Week Faculty Training Program on Online Education	Commerce
Sumithra Devi S.	Short-term Course in 'Women Empowerment'	English
Thanseena Bai R	UGC Sponsored Orientation Programme	Commerce



National Service Scheme (N.S.S.)

University of Kerala has allotted two NSS units in the college for the academic year 2019-2020, 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 volunteer's are enrolled in the current academic year. . 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.

The following Programmes were conducted by NSS unit of the college during the academic year 2019-20

Sl.No.	Day	Programme	Venue
01	June 5/2019	WORLD ENVIRONMENTAL DAY CELEBRATION	TKM College campus
02	June 15/2019	YOGA DAY CELEBRATION	College Auditorium
03	June 21/2019	YOGA DAY CELEBRATION EXTENSION ACTIVITIES	College Auditorium
04	July 06/2019	A SURVEY CLASS CONDUCTED BY SOUTH INDIAN RAILWAY	College Seminar Hall
05	July 07/2019 & 08/2019	RAILWAY SATISFACTION SURVEY	By Travelling in train
06	July 11/2019	WORLD POPULATION DAY	College Campus
07	July 27/2019	JOB FAIR- 'DISHA 2019'	College Campus
08	July 29/2019	NSS RECRUITMENT OF FIRST YEAR STUDENTS	College Auditorium
09	July 29/2019	HEPATITIS DAY OBSERVANCE	College campus and in seminar hall
10	August 3/2019	ICE BREAKING SESSION OF FIRST YEAR NSS STUDENTS	College Auditorium
11	August 3/2019	SWACHTHA PAKHWADA PROGRAMME	College campus and adopted village
12	August 15/2019	INDEPENDENCE DAY CELEBRATION AND FLOOD RELIEF ACTIVITIES	College campus Kollam Collectorate



COCURRICULAR ACTIVITIES

13	August 27/2019	FIRST YEAR NSS ALLOTMENT	College Auditorium
14	September 02/2019	DRUG AWARENESS CLASS	College Seminar hall
15	September 24/2019	OLD AGE HOME VISIT	Keralapuram
16	October 02/2019	GANDHI JAYANTHI CELEBRATION (SHRAMADAAN)	Perinade railway station & Gandhi Bhavan, Pathanapuram
17	October 12/2019	CLEANING OF OFFICE KERALA FEDERATION OF THE BLIND WELFARE CENTRE, KOLLAM.	Polayathode, Kollam
18	November 02/2019	A CAMPUS CLANING PROGRAMME	College Campus
19	November 14/2019	PARTICIPATION OF NSS STUDENTS IN BLOOD DONATION CAMP AT SIVARAM SCHOOL, KOLLAM	Sivaram School, Karicode
20	November 17/2019	'VIMUKTHI'- ANTI DRUG ABUSE PROGRAMME BY EXCISE DEPARTMENT	SN College, Kollam
21	November 19/2019	OLD AGE HOME INAUGURATION	From Karicode old bus stand to old age home near MEA School
22	November 25/2019	Ek Bharat Shrestha Bharat	College seminar Hall
22	November 26/2019	CONSTITUTION DAY CELEBRATION	In and outside College Campus
23	December 01/2019	AIDS DAY OBSERVANCE	Inside College Campus
24	December 03/2019	INTERNATIONAL DAY OF PERSONS WITH DISABILITIES OBSERVANCE	College class room no. 142
25	December 04/2019	BLOOD DONATION CAMP	College Ladies resting area
26	December 07/2019	NSS ORIENTATION CLASS	College resting area
27	December 10/2019	NSS ADVISORY BOARD MEETING	College Conference Hall
28	December 12/2019 to 14/2019	INTERNATIONAL CONFERENCE, ICEE	College Auditorium, seminar hall
29	December 15/2019	KOLLAM BEACH CLEANING	Kollam Beach
30	December 16/2019	NSS PTA MEETING	College Seminar hall
31	December 19/2019	SEVEN DAY ANNUAL RESIDENTIAL CAMP INAGURATION	College Seminar hall
32	December 20/2019	CLASS ON TEAM BUILDING BY SRI. KRISHNAKUMAR D, COMMUNITY LEVEL AWARENESS ON DRUG ABUSE, SCREEN PLAY WRITING COMPETITION	College Seminar hall

33	December 21/2019	DRUG AWARENESS CLASS- VIMUKTHI BY SRI. NOUSHAD I CLASS ON PUBLIC SPEAKING BY SRI. V VIJAYAKUMAR	TKM Centenary public school
34	December 22/2019	FREE EYE CHECK UP CAMP POSTER COMPLETION AGAINST DRUG ABUSE	College campus
35	December 23/2019	MOTIVATION CLASS ON LIFE SKILL DEVELOPMENT BY SRI. R VENUGOPAL AWARENESS CLASS ON WOMEN EMPOWERMENT BY SMT. GIRIJADEVI R	TKM Centenary public school
36	December 24/2019	DEMONSTRATION CUM AWARENESS CLASS ON FIRE AND SAFETY IMPORTANCE OF SOCIALIZATION SKILLS BY SRI VISHNUPRASAD	TKM Centenary public school
37	December 25/2019	ANNUAL CAMP CLOSING CEREMONY	TKM Centenary public school
38	January 01/2020	PLASTIC VIMUKTHA GRAMAM	Kottankara Grama Panchayath Office
39	January 16/2020	FIT INDIA PROGRAMME	In and outside the College Campus
40	January 26/2020	REPUBLIC DAY CELEBRATION	Inside the Campus
41	January 31/2020	LIFE STYLE AWARENESS CLASS	Inside the Campus
42	February 05/2020	WORLD CANCER DAY OBSERVANCE	Inside the campus and at Karicode Junction
43	February 19/2020	FOUNDER'S DAY CELEBRATION	Inside the College Campus
44	February 24/2020	PLASTIC COLLECTION AND ERADICATION PROGRAMME IN ASSOCIATED WITH KOTANKARA GRAMA PANCHAYAT	Inside and outside the college campus
45	February 25/2020	PLASTIC COLLECTION AND ERADICATION PROGRAMME IN ASSOCIATED WITH KOTANKARA GRAMA PANCHAYAT	Inside College campus
46	March 02/2020	PALLIATIVE CARE CLUB INAUGURATION	College auditorium
47	March 04/2020	BLOOD DONATION CAMP	Inside College campus
48	March 10/2020	BLIND FEDERATION CAMP CLEANING	Blind Federation office, Polayathodu

05/06/2019- World Environmental Day Celebration



Jun 7, 2019



Yoga class by Sri. Joseph Kennedy

29/07/2019 -Hepatitis Day Observance

World Hepatitis Day celebration was conducted by NSS units on 29.07.2019 and the class was handled by Dr. Annie, Secretary, Indian Dental Association, Kollam.



Class by Dr. Annie

03/08/2019- Swachtha Pakhwada Programme

As instructed by Ministry of Youth Affairs and Sports, Govt. of India, NSS has conducted a programme named 'SWACHTHA PAKHWADA'. The programme includes cleaning of college campus premises, college library, laboratories and departments.



Cleaning of college campus and its premises



Cleaning inauguration by Sri. Hussain , member, Kottankara Panchayat



Flood relief to collection centre, Kollam Collectorate

02/09/2019-Drug Awareness Class

Under the auspices of NSS, an awareness programme on drug abuse and alcoholism was conducted in the college. Sri. Thajudheen, Assistant Excise Commissioner, Kollam, was the resource person.



An awareness programme on drug abuse by Sri. Thajudheen, Deputy Excise Commissioner, Kollam



A visit to St. Vincent old age home, Kollam

NSS units of TKMCAS have participated in the Guruvandanam programme collectively organized by NSS units of all colleges of Kollam district at Gandhibhavan, pathanapuram. Dresses, medicines and food materials were collected and handed over to Gandhibhavan inmates. Deputy Mayor smt. Vijaya Francis was present in the function.



NSS PO and volunteers at Gandhibhavan



Procession to old age home



Constitution day rally

03-12-2019- International Day of Persons with Disabilities Observance

National Service Scheme unit of TKM College of Arts and Science observed the International Day of Persons with Disabilities on 03/12/2019. Mr. Krishna Kumar. P., who was suffering from a genetic disorder named Spinal Muscular Atrophy (SMA), was the resources person.



Students with the resource person



Blood donation camp conducted by the NSS unit



Kollam beach cleaning

Seven Days Annual Residential Camp

The NSS camp 2019-20 of TKM CAS was inaugurated at 4:00 pm on 19-12-2019 at the seminar hall by Former Deputy Mayor Smt. Vijaya Francis in the presence of the Principal Dr. P. G. Smitha.





Fit India rally held as per the instruction of Ministry of Youth Affairs & Sports, Govt. of India



Flash mob held in connection with World Cancer Day observance

19-02-2020. Founder's Day Celebration

NSS unit celebrated Founder's day on 19th February in association with College PTA. Students from various colleges of Kerala University participated in events held at college campus. Elocution, essay writing and Quiz competitions were conducted and certificates and prize money were distributed for first, second and third prize winners by the Principal of the college, Dr. Smitha P.G.



Winners of various competitions with Principal and NSS POs



Walk with the Scholar

The formal inauguration of Walk With a Scholar programme was done at TKM College of Arts and Science on 2nd November 2019 in a befitting manner, by Dr. Smitha P.G, Principal of the institution. The ice breaking session for first year mentors was also conducted after the inaugural session.

All the internal mentoring sessions were conducted as per the guidelines issued by the New Initiatives in Higher Education 2019-20. Flexibility was allowed and additional inputs were provided in Internal Mentoring sessions based on the specialization of individual mentors. The first session of all the batches were an Ice Breaking Session centered on self introduction and personal graphing. These sessions went a long way in helping the mentees to overcome their nervousness and inhibitions while presenting their personal selves including their abilities, talents, dreams and personal background to their fellow mentees. Moreover, the inputs provided by the mentors helped them to realize that the WWS Programme has been designed

to provide guidance and motivation for their future career. The Internal Mentors were able to convince the mentees that they would stand by them throughout the academic years to pursue their goals. Available technology and facilities were very effectively used for proper co-ordination of all mentors and mentees.

Separate WhatsApp groups were formed by the co-ordinator for internal mentors and mentees, through which details of each session including photos of individual sessions. A good liaison and updated feedback was possible through the WhatsApp group for mentees, and their suggestions and requirements were given due consideration, and sessions were planned accordingly. Separate register was maintained in the Principal's room for internal mentoring sessions. Another register was maintained by co-ordinator for taking attendance of mentors and mentees during internal mentoring sessions. Reflective diary in a specific format was collected from mentees by co-ordinator for each internal mentoring session. Quality of internal mentoring was ensured through the above initiatives.

Human Rights Club

The Human Rights Club consists of 23 students from various disciplines. Human Rights Forum is an academic platform for the students to create an awareness regarding human rights. During the year

2019, discussions on human rights violation issues were done by students. During December, the human rights club observed the Human Rights Day by taking Human Rights Day oath.

Literary Club

The course of action of the Literary Club in the year 2019-20, 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:

- Julia Glass' Three Junes
- 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 2019-20 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.

Science Club

Students enrolled in the club were encouraged to write science related articles which were later displayed on science club notice board. Students were bifurcated, and debate was conducted on current science topics in every Thursday evening. National science day celebration was conducted on 28th February, 2020.

Nature Club

The activity of nature club started on 12.07.2019. The activity was inaugurated by the Principal S. Shajitha. Seventy five students enrolled the club from various disciplines.

Major events organised by the club

- Debate on ecosystem Damages
- Mushroom cultivation demonstration by video lecture
- Flower show with natural flowers- Fragrance jointly organized with department of Botany
- Pruning or plants training
- Plastic picking drive in the campus
- Environment management training - 3 days jointly organized with Department of Botany



Flower show inauguration by the Principal Dr.P.G.Smitha

Media Club

The Media Club of the college plays a crucial role in making the students aware of the importance of developing their creative faculty and language skills.

To make the students engage in constructive exercises, the Media Club brings out a quarterly newsletter titled 'Outspoken' which provides the students with a platform for creative and analytical

expression. The poetic, artistic and creative skills of our students adorn the pages of the 'Outspoken'.

Moreover, their efforts have inspired other students to come forward with their own creative contribution in myriad ways. The students also include snapshots of current affairs in the pages of 'Outspoken'.



"Outspoken" released by the Principal

During the academic year 2019-2020, Media Club organized a lecture titled "Translations – Possibilities and Pitfalls" to introduce to the club members, along with the graduate and postgraduate students of the Department of English, the scope of a career

in translation and the important role it plays in new media.

The talk was delivered by Dr. P. Radhika on 4th November, 2019 and was well received by the audience comprising teachers and students.

NCC 3 (K) Batalian Girls



Total enrolled strength is	-	108
Strength of 1st year is	-	45
Strength of 2nd year is	-	27
Strength of third year is	-	36

INTERNATIONAL YOGA DAY

International Yoga Day was celebrated on 21 June 2019 in the college auditorium. 100 cadets participated in the programme.



Cadets performing Yoga

SWATCHTHA HI SEWA CAMPAIGNE

Mega pollution Awareness Rally was conducted in the college on July 6, 2019. The Principal in charge S. Shajitha inaugurated the rally from the college to Sarathy Jn. Rally was followed by Swatchata Hi Sewa Campaingne.

Cadets formed groups and visited each and every home in the locality. A survey was conducted on Disposal of waste (Degradable and Non-degradable). Cadets interacted with the members of the famil.



Mega Pollution awareness rally



Survey conducted by Cadets at Kottamkara panchayat, Ward 15



Cadets collecting waste from shops



3 Kerala Bn. Cadets and ANO handing over segregated plastic waste to Kudambasree at Panchayat Building

INDEPENDENCE DAY CELEBRATION

Ceremonial parade was conducted by NCC Cadets of the institution. Principal Dr. Smitha P.G. hoisted the flag and spoke to students on Independence Day Celebration and National Integration. 100 cadets participated in the celebration



Flag Hoist



Sgt Vandana Udayakumar receiving Prize for best performance in Drill Competition



U.O. Varsha receiving prize from Group Commander Brig. Ranjeet Rana

TRAFFIC CONTROL DUTY

20 cadets volunteered to assist Traffic police in controlling the traffic during the peak hours at the Karicode Junction and TKM road.

FLOOD RELIEF ACTIVITIES

Cadets of 3Kerala Girls Bn. collected relief materials for the victims of flood. ANO Lt. Liby KS along with cadets handed over the relief materials at the collection point. At the collection point cadets sorted and packed relief materials under the guidance of District Collector.



Flood Relief Collection by cadets

GANDHI JAYANTI - SWATCHATA HI SEWA AT KOLLAM BEACH

100 cadets of the institution participated in the Swatchata hi Seva activity organised centrally by NCC at Kollam Beach on 2nd Oct 2019, Gandhi Jayanti Day. District Panchayat Secretary inaugurated the function and talked about the hazards of plastic accumulation and the remedial measures adopted by the government. Group Commander Brigadier Ranjeet Rana felicitated the function and participated along with cadets in picking up waste.



Sgt. Jyothy Sajeev at Republic Day Camp



U.O. Vinitha undergoing Para Jumping Course at Agra

VISIT TO MAHILAMANDIRAM

30 cadets visited Mahilamandiram Karicode on 26 Nov 2019. Cadets presented cultural programmes for the inmates of the mandiram. There was an interactive session with the inmates and many of them participated in the cultural programmes. Lunch was provided by the NCC unit. Cadets had lunch with inmates.



Visit to Mahilamandiram, Karicode

REPUBLIC DAY CELEBRATION

Republic Day was celebrated on 26 January 2020. Dr. P.G. Smitha, Principal of the college, hoisted the flag and addressed the gathering. U.O. Jyothi M Sajeew participated in Republic Day Parade in New Delhi. Sgt Vandana Udayakumar was parade commander of 3 Kerala Girls Bn. NCC held at Kollam Stadium. MLA Smt. Mercykuttyamma handed over first prize to Vandana in the presence of District Collector.



Principal Dr. P.G. Smitha hoisting the national flag

BLOOD DONATION ON WOMEN'S DAY CELEBRATION

As part of Women's Day Celebration, a blood donation camp was organized by NSS, NCC and Mitra Cell on 6 March 2020. 15 cadets participated in the blood donation camp as volunteers and 3 cadets donated blood.

ACHIEVEMENTS

Sl No.	Name of Programme/ Camp	Date (from - to)	Name of Students	Deparment
1	Republic Day Camp New Delhi	1 jan to 29 jan 2020	UO Jyothi M Sajeev	English
2	NCC Para Basic Course Agra	13 Sept to 24 sept	UO Vinitha V	Zoology
3	EBSB Rajasthan	11 Nov to 22 Nov	Athulya Sekhar	Physics
			Sgt Nagalekshmi	Bio Chemistry
			UO Vinitha V	Zoology
4	EBSB Kasargod	21 Dec to1 Jan 2019	UO Varsha	Maths
			Sgt Khadeeja	Maths
5	EBSB Trissur	21 Dec to 1 Jan	SUO Ancy Babu	English
			Sgt Vandana, Sgt Arshya BS	Maths, Zoology
6	Nilgiri Trekking Camp	6 sept to 15 sept	Athulya Sekhar	physics
7	Pre IGC RDC II Vallikunnam		UO Varsha V	Maths
			UO Jyothi M Sajeev	English
			Vandana Udaykumar	Maths
8	IGC RDC Mayannur	11 oct to 20 oct 2019	UO Varsha V	Maths
			UO Jyothi M Sajeev	English
			Vandana Udaykumar	Maths
9	Pre RDC I Pallipuram	6 Nov to 15 Nov 2019	UO Varsha V	Maths
			UO Jyothi M Sajeev	English
			Vandana Udaykumar	Maths
10	Pre RD III	6 Dec to15 Dec 2019J	Jyothi M Sajeev	English
11	CATC	21 Dec to 30 Dec	30 cadets	



Debate Club

The aim of debate club is to empower students with the skills of expressing their beliefs clearly and concisely in public speaking and effective communication in a formal setting.

Debate club for the academic year 2019-20 was constituted on 9th July 2019. The first club meeting

selected Muhammed Zameel (S5 B.A. English) and Jissy Anna George (S3 B.Sc Biochemistry) as student co-ordinators.

Debate club organized Mathrubhumi- Federal bank Speak for India (Zonal level) competition on 04/12/2019. Students from various institutions participated in the programme.

Details of students who got prizes in various competitions

Sl.No	Name of student	Course and Semester	Name of Competition	Organized by	Prize
1	Ananya.O. Pillai	B.Sc Chemistry S2	Inter collegiate debate competition	Debate club ,N.S.S.College, Pandalam	First
2	Anugraha Vinod	B.Sc Chemistry S2	Inter collegiate debate competition	Debate club ,N.S.S.College, Pandalam	First
3	Mohammed Zameel	BA English S5	Inter collegiate elocution	NSS Unit,T.K.M. College of Arts and Science	First
4	Aswin M.S.	B.Sc Chemistry S5	Inter collegiate elocution competition conducted	N.S.S. Unit , T.K.M. College of Arts and Science, Kollam	Third
5	Mohammed Zameel	B.A.English S5	District level speak for India debate competition	Mathrubhumi-Federal Bank	Got selection to zonal level Speak for India debate competition
6	Mohammed Zameel	BA English S5	Debate competition (Malayalam)	T.K.M. College of Arts and Science as part of college arts festival	Second
7	Mohammed Zameel	BA English S5	Debate competition (English)	T.K.M. College of Arts and Science as part of college arts festival	Second
8	Shehin S.	B.A.Islamic history	Debate competition (Malayalam)	T.K.M. College of Arts and Science as part of college arts festival	First

College Union Report

The college union election for the academic year 2019-20 was held on 22 november 2019. The college union under the chairmanship of Sabari Sekhar was elected, with Fathima J as Vice Chairman, Arya S. Pillai (General Secretary), Althaf T. (University Union Council), Salman Ali (University Union Council), Muhammad Aslam (Magazine Editor) and Kalyani S. (Arts Club Secretary). The council was named "Fathima College Union" commemorating the strongest student influencer of the time, Miss Fathima Latheef who fought against the injustices in the higher educational institutions.

The union events started off with the inauguration on January 1, 2020. The inauguration was done by Shri. M. Noushad MLA. The guest of honour was Mr. Nowfal N., Research Scholar (Karyavattom campus) and prominent speaker.

From January 28 to February 8, a Tik- Tok competition was organized for the students to exhibit their acting skills. Nanma Sajan, student of S.N. Law College was the winner.

College Union in association with college library

organized a seminar 'Writing as Resistance' in which Tibetan poet Tenzin Tsundue was the chief guest. TKM Trust Chairman Dr.Shahal Hassan Musaliar inaugurated the event.

The arts club inauguration of "Fatima College Union" was held on February 12. Famous film actor Bineesh Bastin inaugurated the event. Release of the college magazine (2019) titled 'Unmaadikalude Pusthakam' was done by the reputed poet Ganapoojari. Following it, cultural events were held. An online music competition 'Dhwani 02' was also conducted. Out of the students who attended from different colleges, Aiswarya of TKM College won first prize.

College Youth festival was held on February 26 and 27. The students were divided into five different houses and the competitions were held accordingly. The Green house which comprised both the English and Botany departments became the winners.

The union could not conduct college day and union valedictory function due to the rapid spread of Covid-19 and the ensuing restrictions imposed by the Government to contain it.





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

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

ANNUAL REPORT COMMITTEE

Niyas S. M.

Assistant Professor of English (Convenor)

Nizamudeen Ashique P.K.

Assistant Professor of Mathematics (Joint Convenor)

Shefana Shaffi

Assistant Professor of English (Member)

Soumya S.

Assistant Professor of Biochemistry (Member)



COLLEGE OF ENGINEERING

Karicode, TKMC P.O., Kollam - 691 005. Ph : 0474 - 2712024, 2713126 . Web: tkmc.org

Regular B.Tech. Engg. Degree Courses : Civil , Mechanical, Electrical & Electronics, Chemical, Production, Computer Science, Electronics & Communication, **B.Arch. Part Time Engg. Degree Courses** : Civil, Mechanical, Electrical & Electronics **M.Tech. Programme Regular** : Industrial Refrigeration & Cryogenic, Structural & Construction Management, Computer Integrated Manufacturing, Instrumentation & Control, Computer Science, Communication System. **P.G Regular Courses : MCA & P.G Part-Time (Evening Course) - MBA** (Approved by AICTE & Affiliated to University of Kerala)



COLLEGE OF ARTS & SCIENCE

Karicode, TKMC P.O., Kollam - 691 005. Ph : 0474 - 2711817, 2712240. Web: tkmcas.org

Degree Courses : B.Sc. - Botany, Zoology, Physics, Chemistry, Maths, Bio-Chemistry; B.Com., B.Com with Computer Application, BA-Islamic History, English **PG Courses** : M.Sc. Physics, Chemistry, Bio Chemistry, Maths; M.Com; MA - English. **PG Diploma Programmes** (Continuing Education Programmes): Library Science, PPTC, Tally, C++, Councelling & Yoga. **Add on Courses** : Hospitality Management, Business Management. (Affiliated to University of Kerala)



INSTITUTE OF MANAGEMENT

Musalier Hills, Karuvelil P.O., Kollam - 691 505.
Ph : 0474 - 2482465, 2483527. Web: tkmim.org

M.B.A. (Full Time - Accredited by the National Board of Accreditation (NBA) New Delhi)
One of Kerala's premier B-schools, which has laid a benchmark in consistently turning out top-notch management professionals. (Approved by AICTE & Affiliated to University of Kerala.)



INSTITUTE OF TECHNOLOGY

Musalier Hills, Karuvelil P.O., Kollam - 691 505.
Ph : 0474 - 2482833, 2482083. Web : tkmit.ac.in

B.Tech. Engg. Degree Courses : Electronics & Communication, Computer Science, Mechanical, Electrical and Electronics, Food Technology, Bio-Medical Engineering & Civil Engineering. **M.Tech. Programme:** VLSI & Embedded Systems, Computer & Information Science, Software Engineering, Signal Processing, Opto Electronics. (Recognised by the Cochin University of Science & Technology)



SCHOOL OF ARCHITECTURE

Musalier Hills, Karuvelil P.O., Kollam - 691 505.
Ph : 0474 - 2165246/47/48 Web : www.tkmrsa.org

Courses : B.Arch , **Degree Course**
(Approved by Council of Architecture, New Delhi & Govt. of Kerala and recognised by the Cochin University of Science & Technology)



HIGHER SECONDARY SCHOOL

TKM College Complex, Kollam - 691 005.
Ph : 0474 - 2715670, 2719346 Web : tkmhss.org

HighSchool : Admit Students from Std.VIII.
(Under Directorate of Public Instruction, Kerala).
+2 Course : Maths- Computer, Maths- Biology, Commerce- Maths, Commerce-Computer Application, Humanities
(Under Directorate of Higher Secondary Education, Kerala)



CENTENARY PUBLIC SCHOOL (SENIOR SECONDARY)

TKM College Complex, Kollam - 691 005.
Ph : 0474 - 2711939, 2715650. Web : tkmcps.org

Courses : 1st to XII. **+1 Options** : Maths - Biology, Maths - Computer / Engineering Drawing, Biology - Computer / Malayalam, Commerce
(CBSE- Central Board of Secondary Education)
TKM Kindergarten : Play School, LKG & UKG



SCHOOL OF COMMUNICATION & INFORMATION TECHNOLOGY

TKM College Complex, Kollam - 691 005
Ph : 0474 - 2719952, 2715232, 2719216. Web : tkm_scit@yahoo.co.in

Distance Education Programme of MADURAI KAMARAJ UNIVERSITY
Degree Courses : BBA, B.Com., B.Sc. (Psychology), B.Lisc., **PG Courses** : MBA, M.Com, MCA. M.Sc. (Electronics & Communication, Maths, Psychology) MA - (English, Tourism Management, Labour Management). **PG Diploma Courses** : School Administration, Hospitality Management, Journalism & Mass Communication.



T | K | M
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