



THE FOUNDER
JANAB A. THANGAL KUNJU MUSALIAR

ANNUAL REPORT 2024-2025



TKM **COLLEGE OF** **ARTS & SCIENCE**

KOLLAM, KERALA

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



About TKM

Not many founders of educational institutions are honoured by the Union Government with postal stamps and first day covers. Janab Thangal Kunju Musaliar, founder of TKM College of Arts and Science, has been so honoured. The explanation is that Janab Musaliar was much more than the founder of an educational institution. He was the pioneer of the cashew industry in Kerala. He founded social and philanthropic organisations. He wrote books. He started a newspaper. He conducted experiments in hydro-electricity. During the Second World War, when food became scarce, he used his personal resources to carry out large-scale agriculture. In 1956, he founded the TKM College Trust. The first institution of the Trust was the very first engineering college in the private sector in Kerala. The other important institutions in the group include TKM Institute of Management, TKM Institute of Technology, TKM School of Communication and Information Technology, TKM Higher Secondary School and TKM Centenary Public School, and of course, TKM College of Arts and Science.

Less than a decade after founding the engineering college, feeling the need for an arts and science college, Janab Musaliar oversaw the establishment of TKM College of Arts and Science, one year before his unexpected demise. Though robbed of the Founder's personal guidance and patronage, the institution under the able stewardship of his eldest son, Sri Shahal Hassan Musaliar, soon grew into an enviable sibling of the already-famous college of engineering.

The Arts and Science College, which started functioning as a junior college, was formally declared open by Prof Samuel Mathai, the then Vice-Chancellor, University of Kerala, on 24 June 1965. The foundation stone for the main building was also laid by Prof Mathai. The student strength was hardly 500, with a faculty of 15 supported by 10 non-teaching staff. In the year 1977, the college was upgraded, with the introduction of the degree course

in Botany. Degree courses in Chemistry and Commerce were introduced in 1978 and 1979 respectively. In 1980, Mathematics, Physics and Islamic History departments were added. In the following year, the institution became a post-graduate college with the introduction of the M.Com. course. The degree course in Zoology was also sanctioned in the same year.

The college has been included under the UGC scheme since 1986. In 1998, as a result of pre-degree delinking, the college became exclusively a centre for higher education. Semesterisation was introduced for PG courses in 2001 and UG in 2010. By the time the institution came round to celebrating her Silver Jubilee, in 1990-91, the student strength had shot up to more than 4000 and the institution had become a force to reckon with.

The degree course in English was introduced in 1992 and Biochemistry in 2001. A landmark in the history of the institution was the visit of the NAAC Peer Team in 2004. As a result of the suggestions made by the NAAC Peer Team, a series of dramatic improvements were effected in the infrastructure, academic dynamics and the co-curricular and extra-curricular spheres. The Internal Quality Assurance Cell was formed with Sri Shahal Hassan Musaliar, President, TKM College Trust, as Patron.

Among its many recent feats, the institution was re-accredited by the NAAC with A Grade (CGPA – 3.13) in 2013 and with the highest grade of A++ (CGPA – 3.67) in the 3rd cycle of accreditation in 2022. The many thousands who pass through its hallowed portals into positions of authority in society and life testify to the niche the college has carved out for itself in the field of education. This is a fitting accolade to an institution bearing the name of Shri Musaliar, a man who had settled for nothing less than excellence.

While consolidating the achievements of the past, we are gearing up to meet the challenges of the future.

One day theatre workshop

The Department of English organized a one-day theatre workshop titled "The Art of Dramatics" on 21 February 2025. The Principal, Dr. M. J. Sheeba, inaugurated the programme, which featured writer and theatre practitioner Dr. Aromal T. as the resource person. Through engaging sessions on both performative and textual aspects of drama, he highlighted its artistic richness and

academic relevance for students. Dr. Shafana Shaffi, Head of the Department, and Niyas S. M., Coordinator of the programme also addressed the participants

The workshop enabled students to gain a deeper appreciation of drama as a medium of expression in creative as well as critical domains.



World environment day observance on June 5



The Environment Club jointly observed World Environment Day 2024 with Women's Study Unit, BhoomithraSena Club, and Department of Zoology falling in line with the global theme "Our Land. Our Future. We are #GenerationRestoration", focusing on land restoration, desertification, and drought resilience.

The programme was inaugurated by Mrs. T. Uma, IFS, Honourable Conservator of Forests, Kerala, who delivered an insightful talk titled "Our Planet, Our Future." She highlighted the urgent need for climate

action, ecosystem restoration, and sustainable living, emphasizing youth engagement in environmental stewardship through the 3Rs – Reduce, Reuse, Recycle.

As part of the 3Rs campaign, the Women's Study Unit organized a "Scrap to Craft" exhibition showcasing eco-friendly products made from waste materials. The event included addresses by Dr. Rohini Krishna M.V., Dr. Sheeba M.J., felicitation by Dr. Jasin Rahman V.K., and a vote of thanks by Dr. Mumthas Yahiya. About 95 students actively participated, making the observance impactful and inspiring.

SHE-LD-UP: Empowering women students through self-defence



The Women's Study Unit, in association with the Department of Zoology and Environmental Club, organised the "Artist in Me" Orientation Programme on 5 July 2024 in collaboration with Fevicryl (Pidilite Industries). The programme aimed to nurture creativity, promote eco-friendly art practices, and encourage self-reliance among students.

The programme began with a welcome address by Dr.Mumthas Y, followed by the Presidential Address by the Principal, Dr.ChithraGopinath. The programme was inaugurated by Smt. RekhaAnilkumar, Fevicryl

Certified Specialist, who introduced students to various creative hobby ideas with income-generating potential. Dr.Rohini Krishna M. V, Head, Department of Zoology and Coordinator of the Programme, delivered the felicitation address, and the vote of thanks was proposed by Dr.Jasin Rahman V. K.

Students were familiarised with crafts such as filigree work, Kerala mural painting, decoupage, Patola design, Tanjore art, Minakari, and folk art. The programme highlighted sustainable creativity and women empowerment.

Artist in me Session-I, Folk Art -Kalamkari and Warli art



The Women's Study Unit, in association with the Department of Zoology and the Environmental Club organised a workshop titled "Artist in Me-I (Folk Art)" on 23 July 2024 from 2.00 pm to 4.00 pm. The programme aimed to nurture creativity and empower girl students by encouraging artistic expression.

The workshop was led by Smt. RekhaAnilkumar, Fevicryl Certified Specialist, Pidilite Industries. Students received hands-on training in Kalamkari and Warli art forms.

Kalamkari, a traditional hand-painted textile art from Andhra Pradesh and Telangana, was introduced using the Srikalahasti freehand drawing style. Warli art, originating from Maharashtra, highlighted tribal life through simple geometric shapes and motifs.

Participants were provided with an art kit worth 280. Kalamkari work was completed during the session, while Warli art was assigned as practice work. The programme enabled students to explore folk art traditions, enhance creativity, and interact with professional artists.

Artist in me session-II Liquid embroidery



The second workshop titled “Artist in Me-II: Liquid Embroidery” was conducted on 17 August 2024, from 10:00 am to 1:00 pm, at the Women’s Study Unit Room. The programme aimed to empower female students by fostering creativity and artistic confidence.

The workshop was conducted

by Smt. RekhaAnilkumar, Fevicryl Certified Specialist, Pidilite Industries, who introduced participants to Liquid Embroidery, a fabric art technique using 3D outline paints to create raised designs. The workshop provided students with hands-on experience, enhanced artistic skills, encouraged innovation in textile art, and offered meaningful engagement with professional artists.

Artist in me-III-Glass Painting and Metal Art



The Women’s Study Unit, in association with the Department of Zoology and the Environmental Club, conducted ARTIST IN ME-III: Glass Painting and Metal Art on 24 August 2024, from 10.00 am to 1.00 pm, at the Women’s Study Unit Room, in collaboration with Fevicryl. The workshop aimed to enhance creativity and artistic

skills among students through hands-on training. The practical session was led by Smt. RekhaAnilkumar, Fevicryl Certified Specialist, Pidilite Industries.

Students were trained in glass painting techniques, including surface preparation, outlining, colour filling, texturing, and curing of designs on glassware.

One-day conference on climate resilience



The Department of Zoology, in association with the Environmental Club and the Environment Study and Research Centre of Kerala SasthraSahithyaParishad (ESARC-KSSP), organised a one-day national conference on "Climate Resilience in the Context of the Wayanad Disaster." On 3 September 2024. The programme focused on climate change impacts following recent landslides and floods in Wayanad.

The conference was inaugurated by Ambili, Deputy Director General, Geological Survey of India, who delivered the keynote address on landslides in Kerala's fragile terrain. The session was chaired by Sri. Humam Rasheed, Convenor, Environment Samithi, KSSP, while the Principal, Dr.ChitraGopinath, presided over the event. Dr. S. Faizi, International Environmental Scientist and Planet Earth Award-2024 winner, was honoured and spoke on climate crisis and global inequality.

World suicide prevention day observance



The Jeevani Centre for Students' Well-being, in collaboration with the Department of Zoology, Women's Study Unit and the Department of Women and Child Development, Government of Kerala, observed world suicide prevention day on 25 September 2024.

Presided over by the Principal in charge Dr. M. J. Sheeba, the programme

began with a welcome address by Dr. Rohini Krishna M.V., Head of Zoology. Adv. R. Lakshmi Priya, Administrator, One Stop Centre, Kollam, inaugurated the session, highlighting early intervention, substance abuse prevention, responsible social media use, and legal aspects such as the POCSO Act and sexual abuse reporting.

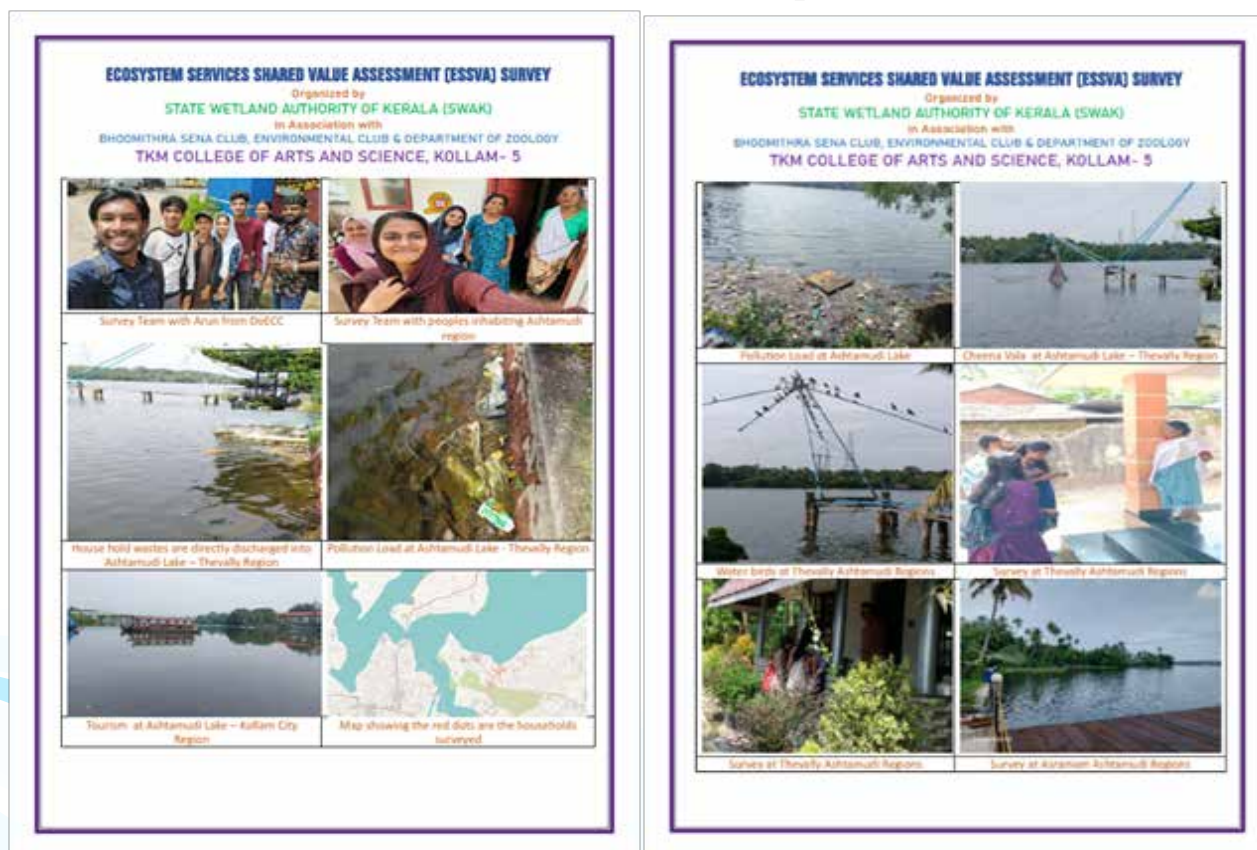
Mental health day observance



Mental Health Day 2024 was observed on 1 October 2024 at TKM College of Arts and Science through a collaborative initiative of the Jeevani Centre for Students' Well-being, Department of Zoology, and Women's Study Unit, in association with the Department of Women and Child Development, Government of Kerala. The

programme was attended by the College Principal Dr. Chithra Gopinath and, coordinated by Dr. Rohini Krishna M.V., Assistant Professor and Head of the department of Zoology and Coordinator of the Women's Study Unit and Jeevani Centre. Smt. Stephy Chacko, Jeevani Counselling Psychologist, led the sessions

Ecosystem services shared value assessment (ESSVA) survey



As part of the Integrated Management Plan revision of the Ashtamudi Ramsar Wetland, the State Wetland Authority Kerala (SWAK) and Wetlands International South Asia (WISA)

conducted an Ecosystem Service Shared Value Assessment (ESSVA) survey on 15 October 2024. Students from the Bhoomithrasena Club, Environmental Club, and Department of Zoology, actively supported the initiative.

Nature education experiential learning



A Nature Education Camp and forest study trip was organized at the Palaruvi-Tenmala forest region for students of the Department of Zoology on 2 november 2024, in association with Environmental Club, and BhoomithraSena Club and the Kollam Social Forestry Extension Unit.

Coordinated by Dr. Rohini Krishna M.V., with support from Dr. Mumthas Yahiya and Dr. Jasin Rahman V.K., the programme included guided trekking by Mr. Biju, observation of flora and fauna, forest stream bathing, and a session on forest and wildlife conservation by Mr. Jeneev, Deputy Forest Range Officer.

National Science Month on November 7

The Department of Zoology, in association with the Environmental Club, BhoomithraSena Club, and ESARC-KSSP, inaugurated the Campus SasthraSamithi as part of Science Month celebrations.

Presided over by Principal in charge Dr. M. J. Sheeba, the inaugural

address was delivered by Prof. K. Pappootty, who distinguished astrology as a traditional belief system from astronomy as an empirical science. Addresses were also delivered by K. Prasad, Dr. George D'Cruz, Dr. Rohini Krishna M.V., Dr. Mumthas Yahiya, and Dr. Jasin Rahman V.K.

Nature education trip to Ashtamudi Lake



The BhoomithraSena Club, Environmental Club, and Department of Zoology, organized a nature education trip to the Ashtamudi Lake Ramsar Site on 23 November 2024. Guided by Dr. Rohini

Krishna M.V., Dr. Mumthas Yahiya, and Dr. Jasin Rahman V.K., students engaged in boating, fauna identification, bird watching, plankton collection, and fish sampling.

Eco-friendly pouch-making, designing and fabric printing



On 2nd December 2024, the Women's Study Unit, in association with the Department of Zoology, Environmental Club, and BhoomithraSena Club conducted a workshop on eco-friendly pouch-making, designing, and fabric printing at the college seminar hall. Partially funded by the BhoomithraSena Club, the programme aimed to empower women, promote economic

independence, and encourage sustainable practices. The session was inaugurated by Smt. RekhaAnilkumar, a Fevicryl-certified professional, presided over by Principal Dr. M.J. Sheeba. Participants engaged in hands-on designing and printing, and eco-friendly pouches were launched at the college store, fostering creativity, women's empowerment, and environmental awareness.

Auditing of waste management facilities

On 20th December 2024, BhoomithraSena Club and Department of Zoology surveyed Kottamkara, Elampallur, and Kuripuzha MCFs. This visit aimed to understand the process of plastic waste recycling, focusing specifically on segregation methods, the challenges involved in recycling,

and the transportation of segregated plastic waste to recycling centres. The visit provided first-hand insight into the functioning of the MCF and highlighted the need for more advanced facilities to improve the efficiency of the plastic waste collection, management and segregation.

Three - day exhibition



A three-day exhibition on Biodiversity Conservation and Vanasree Value Added Products was held from January 6 to 8, 2025, at the Auditorium of TKM College of Arts and Science as part of the Diamond Jubilee celebrations. The programme was organized by the Social Forestry Extension

Unit, Southern Region, Kerala Forest and Wildlife Department, in association with the Bhoomithra Sena Club, Environment Club, and Department of Zoology. The exhibition aimed to create awareness among students and the public about biodiversity conservation and the use of sustainable forest-based products.

Cleanliness drive



The Department of Zoology, in association with the Environmental Club, Bhoomithrasena Club and Jeevani Centre for Student Well-Being, organised a cleanliness drive and awareness campaign on February 21 and 24, 2025. The programme aimed to sensitise students and the local community about the harmful effects of plastic pollution

and littering. On February 21, a flash mob themed "Malinyamuktham Navakeralam" was conducted in the college auditorium. On February 24, Dr. Rohini Krishna M. V. and Dr. Mumthas Y, along with first-year Zoology students, visited nearby shops to create awareness on reducing plastic use and maintaining clean premises.

International women's day observance



The Women's Study Unit, Department of Zoology, in association with the FDSJ Club, Jeevani Centre for Student Well-Being and Human Rights Forum, observed International Women's Day on March 7, 2025. Dr. Mumthas Y welcomed the gathering, and the presidential address was delivered by the College Principal, Dr. M. J.

Sheeba. The programme was inaugurated by Adv. Bijitha S. Khan, Advocate and Child Rights Expert, Founder of Alora Pediatric Wellness Centre. She led an interactive session focusing on physical, mental and reproductive health, emphasizing preventive healthcare and early disease detection.

Awareness talk on human-wildlife conflict



An awareness talk on “Human-Wildlife Conflict: Reasons, Remedies & Challenges” was organised by the Bhoomithrasena Club, Department of Zoology and Environment Club in connection with UN World Wildlife Week 2025. The programme was held on 10 March 2025 at 10.00 am in the Seminar Hall.

The session commenced with a

welcome address by Dr. Rohini Krishna M V, Assistant Professor and Head, Department of Zoology. The programme was presided over by Dr. Bobby T. Edwin, Vice Principal. The chief guest, Shri Balasankar Ambalapuzha, renowned wildlife journalist, delivered an informative talk on habitat fragmentation, elephant corridors, sustainable development and community participation.

Career awareness class on medical coding and billing



A career awareness class on medical coding and billing was organised by the Department of Zoology in association with IREZ Academy on March 10, 2025. The programme aimed to provide students with an overview of medical coding and billing, its role in the healthcare industry, and

related career opportunities. The session was led by Ms. Riya S, Career Counsellor, IREZ Academy. She discussed various job roles such as medical coder, medical biller, health information technician and insurance claims analyst, along with work environments, salary prospects and required skill sets.

Interactive session on gender equality



An interactive session on “Gender Equality: Gender Discrimination, Personal Responsibility and Societal Roles” was conducted on 18 March 2025. The programme was organised by the Equal Opportunity Cell, Department of Zoology, Women’s Study Unit, Women’s Cell and Forum for Democracy and Social Justice, with support from the Women’s Cell.

The programme began with a welcome address by Dr. Rohini Krishna M V, HoD and Equal Opportunity Cell Coordinator. The presidential address was delivered by Dr. Najeem E, HoD, Department of Arabic. The session was inaugurated and led by Ms. Stephy Chacko, Psychologist, Jeevani Centre, who discussed gender discrimination, its psychological impact, personal responsibility and societal roles.

Observance of international forest and water day



TKM College of Arts and Science celebrated International Forest and Water Day on 21 March 2025. The programme was organised by the Bhoomithra Sena Club, Mithra Women’s Cell and Department of Zoology in collaboration with the Kerala Forest and Wildlife Department. The theme, “Forests: The Pulse of Conservation”, highlighted the importance of biodiversity conservation.

The programme began with a

welcome address by Dr. Rohini Krishna M V, HoD, Department of Zoology, followed by the presidential address by the College Principal, Dr. M. J. Sheeba. Sri. B. Anil, Deputy Conservator of Forests, delivered the keynote address on forest conservation, while Sri. Janeev S. K., Deputy Range Forest Officer, emphasized community participation. A “Birds’ Cooling Spot” project was inaugurated as part of the celebration.

Inauguration of ZANT (Zoology Alumni Network of TKMCAS)



The Department of Zoology, inaugurated the Zoology Alumni Association on 17 May 2025. The programme, partially funded by alumni, aimed to promote mentorship, academic collaboration, infrastructure support, and continued engagement between alumni and the department.

The event began with a welcome

address by Dr. Rohini Krishna M V, HoD, followed by the presidential address by Principal Dr. M. J. Sheeba, highlighting the significance of alumni networks. Prof. S. Balakrishna Pillai (Retd.) formally inaugurated the association and shared insights on the department's legacy. Retired faculty members were honoured, academic toppers felicitated, and alumni contributions acknowledged.

Blood donation awareness program



The Department of Biochemistry and the Health Club in association with the AllKerala Blood Donors Society (KEBS), organized a Blood donation awareness program on 13th June 2024 from 7:00 PM to 8:00 PM via Google Meet. The program, titled "Blood Donation: Who, When, How, and Why", aimed to create awareness about the importance, safety, and benefits of blood donation.

The session began with a welcome address by Ms. Ajinza A, HoD of Biochemistry, followed by a presidential address by Dr.ChithraGopinath, Principal. The program was inaugurated by Smt. Lida Jacob IAS (Retd.), Chairperson of KEBS. The technical session was handled by Dr. P. V. Sulochana (Retd., SCTIMST) and Dr.Sreekumari K, Holy Cross Hospital, Kottiyam.

One-day workshop on "Recent trends in bioinformatics: computer-aided drug designing"



The Department of Biochemistry, in collaboration with the Science Club, organized a one-day workshop on "Recent Trends in Bioinformatics: Computer-Aided Drug Designing" on 30 October 2024. The workshop aimed to familiarize participants with emerging bioinformatics tools and their applications in drug discovery and computational biology. A total of 114 participants, including students, research scholars, and faculty members

from various institutions across Kerala, attended the program. The workshop was inaugurated by Dr.Achuthsankar S. Nair, Former Director, C-DIT, who also delivered a presidential address highlighting the role of computational tools in modern biology. Expert sessions by Dr.Achuthsankar S. Nair and Dr.DileepKalarickalVijayan provided insights into new biology, drug discovery, and structural biology.

World diabetes day observance and diabetes awareness campaign



World diabetes day observance

The Department of Biochemistry and the Health Club observed world diabetes day 2024 on 15 November 2024. The program, themed "Breaking Barriers, Bridging Gaps" with the tagline "Eat Well, Live Well: Dealing with Lifestyle Diseases", aimed to promote awareness on diabetes prevention and management.

The event began with a welcome address by Dr.Ajinza A, HoD, Department of Biochemistry, and was inaugurated by Dr.Sheeba M. J., Principal, TKMCAS. An expert talk by Ms. Jisha Varghese, HoD, Clinical Nutrition and Dietetics, KIMSHEALTH Hospital, Kollam, highlighted lifestyle modifications and healthy dietary practices.

Mental health and fitness training session



The Department of Biochemistry, in association with the Health Club and Sports Club organized a Mental Health and Fitness Training Session on 13th December 2024 at the college auditorium. The programme aimed to promote awareness of mental well-being and the role of physical fitness through yoga among students and staff. The session began with the welcome address by Dr. Sumayya A. S., Health Club Coordinator. The programme was inaugurated by Dr. Sheeba M. J., Principal,

TKMCAS, who emphasized the importance of holistic health. Felicitation addresses were done by Dr. Ajinza A., Head of the Department of Biochemistry, and Dr. Sangeetha P., Sports Club Coordinator. The resource person, Mr. Joseph Kennady, Yoga Instructor, Kollam, conducted an interactive training session focusing on stress management, breathing exercises, meditation, and yoga postures for mental and physical balance.

Voluntary blood donation camp



As part of the Diamond Jubilee celebrations, the Department of Biochemistry and the Health Club of TKM College of Arts and Science organized a voluntary blood donation camp on 28th January 2025 at the College Auditorium. The programme was conducted in association with Government

Medical College, Parippally, and the All Kerala Blood Donors Society (KEBS). The camp was coordinated by Dr. Ansil P. N. and medically supervised by Dr. Meenu P., Assistant Professor, Transfusion Medicine, Government Medical College, Kollam.

Biostars'25: Merit day



The Department of Biochemistry, organized Biostars '25: Merit Day on 8 February 2025 at 10:00 AM in the Seminar Hall to celebrate academic excellence and student achievement. The programme commenced with a formal welcome and was coordinated by Dr. Soumya S. A key highlight of the event was an inspiring Alumni Talk by Dr. Chinchu Bose, Assistant Professor,

Amrita Vishwa Vidyapeetham, on the theme "Bioconfluence – to meet, to learn, to evolve". The session motivated students by emphasizing interdisciplinary learning and professional growth in the life sciences. University Rank Holders of the B.Sc. and M.Sc. Biochemistry programmes (2023–2024) and CSIR-NET qualifiers were honoured for their outstanding academic accomplishments.

Biochemistry department alumni meet 2025



As part of the Diamond Jubilee celebrations of T.K.M. College of Arts and Science, the Department of Biochemistry organized its first Alumni Meet on 8 February 2025 at the Seminar Hall, marking a significant milestone in the department's history. The programme was coordinated by Dr. Ajinza A. and saw active participation from alumni and

faculty members. Dr. M. J. Sheeba, Principal, delivered the presidential address and formally inaugurated the meet. A key highlight was the distribution of awards and scholarships by Sri. Mohammed Anwar Musaliar, TKM Trust Member. Felicitation speeches by Sri. Yahiya S., Sri. Sreevalsa Kumar, and Dr. Asha Chandran enriched the programme

Awareness class and free dental screening camp



As part of the Diamond Jubilee celebrations, the Department of Biochemistry and the Health Club organized a two-day awareness class and free dental screening camp on 11 and 12 February 2025 at the Seminar Hall, in association with Azeezia Medical College, Kollam. The programme was coordinated by Dr. Sumayya A. S.

Dr. M. J. Sheeba, Principal officially inaugurated the camp. Dr. Latha B. delivered the felicitation address. A technical session on oral health awareness was conducted by Dr. Jeenu Raj, and the programme was further enriched by expert inputs from Dr. Aarathi Vijayan, who emphasized the importance of maintaining proper oral hygiene.

SCILIFE 2025



SCILIFE 2025, a Scientific Presentation Competition in Life Sciences, was organized by the Department of Biochemistry on 27 February 2025 at the Seminar Hall. The event aimed to promote research culture and scientific communication among young scholars. The programme was coordinated by Dr. Ansil P. N., with Dr. Hari Sankar H. S. serving

as Joint Coordinator.

The competition was inaugurated by Prof. (Dr.) M. J. Sheeba, Principal, who also released the Abstract Book. Dr. Ansil P. N. delivered the welcome address, while Dr. Ajinza A. offered felicitations. Dr. Hari Sankar H. S. proposed the vote of thanks.

Pi approximation day

The Department of Mathematics celebrated Pi Approximation Day on 22 July 2024 with a series of engaging activities. The programme was formally inaugurated by the Principal, Dr. Chithra Gopinath.

The event featured a variety of interactive activities, including mathematical puzzles and games designed to enhance logical reasoning and problem-solving abilities.



F-Talk

Faculty Talk (F-Talk) is a weekly academic discussion platform organized within the college to promote continuous learning, scholarly interaction, and intellectual exchange among faculty members. Under this initiative, faculty members present advanced topics in Mathematics, followed by open discussions that encourage critical thinking and further exploration.

The talks are generally post-graduate and research-oriented, focusing on contemporary mathematical theories, emerging research areas, and their applications across various domains. This

forum provides an effective space for faculty to share expertise, exchange ideas, and stay updated with recent developments in mathematical sciences. The program is organized by SINOFCOS – Math Forum and serves as a significant academic enrichment activity for the department.

During the academic year 2024–2025, several Faculty Talks were successfully conducted as part of this initiative. The details of each talk, including the name of the faculty member, date of presentation, and topic discussed, are furnished below.

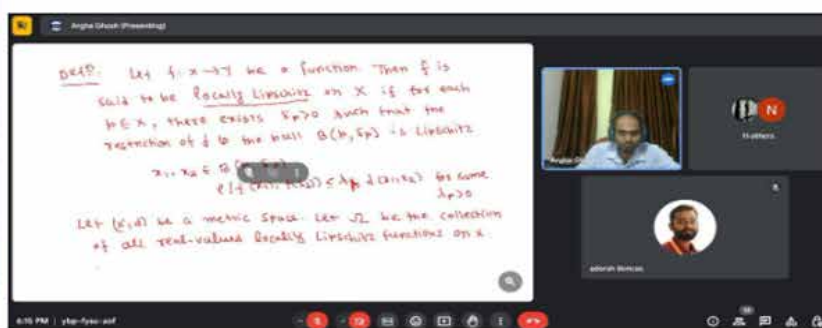
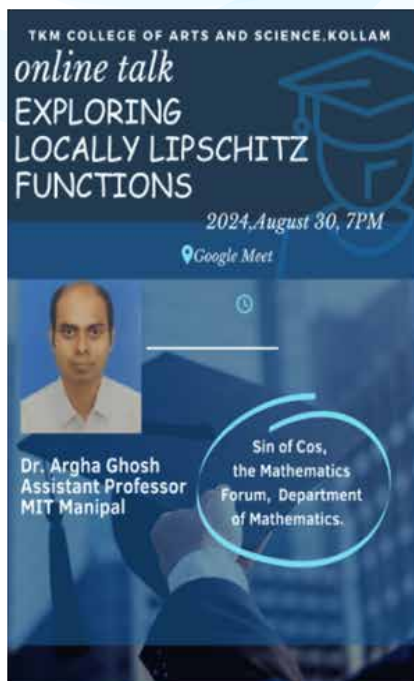
Sl No.	Date	Name	Designation	Title of the talk
1.	21/08/2024	Anju Lekshmi S	Guest Lecturer	An introduction to Stochastic Processes
2.	14/08/2024	Adersh V K	Assistant Professor	On Green's theorem and Cauchy integral theorem
3.	11/09/2024	NisamudeenAshique	Assistant Professor	Construction of discontinuous and non measurable function
4.	29/08/24	Aswathy MR	Assistant Professor	Adjacency matrix of a graph
5.	23/9/2024	Rissana T A	Assistant Professor	Incidence mapping of a graph
6.	25/09/2024	Vijitha V	Guest Lecturer	Cops and Robbers
7.	09/10/2024	Niza N	Assistant Professor	Mennicke Symbols
8.	14/10/2024	GREESHMA M G	Guest Lecturer	Introduction to Cryptography
9.	30/10/2024	Aswathy MR	Assistant Professor	Relation between Laplacian matrix and Adjacency matrix
10.	18/12/2024	Vijitha V	Guest Lecturer	Two Person-Zero Sum game
11.	21/01/2024	GREESHMA M G	Guest Lecturer	Some sorting algorithms and Theory of computation



Math talks - exploring locally lipschitz functions

On August 30, 2024, Sin of Cos, the Mathematics Forum of the Department of Mathematics, organized an engaging online session titled "Locally Lipschitz Functions". The resource person, Dr. Argha Ghosh from MIT Manipal, delivered an insightful lecture

exploring the theoretical and practical aspects of locally Lipschitz functions. The session attracted a diverse audience, including students and faculty members, who actively participated in the interactive segment following the talk.



Alumni meet 2025

The Department of Mathematics organized Alumni meet 2025, bringing together alumni, retired faculty, current staff, and students. The program included the inauguration of the Alumni Association,

address by the Principal, Head of the Department, former faculty, and association leaders. Retired teachers were felicitated, and outstanding UG and PG students were honoured for academic excellence.





NWCMA 2025

The National Workshop and Conference on Mathematics and Its Applications was successfully organized from 3rd March 2025 to 6th March 2025. The event was jointly organized by KSCSTE - Srinivasa Ramanujan Institute for Basic Sciences (SRIBS), Kottayam, and the Department of Mathematics, TKM College of Arts and Science, Kollam.

The primary objective of the program was to provide a comprehensive platform for academicians, researchers, and students to gain exposure to fundamental mathematical techniques and explore their applications in various domains of science, engineering, and technology.

The workshop sessions were handled by distinguished faculty members from reputed institutes like IISER Bhopal,

Manipal Institute of Technology, SRIBS, and TKM College of Arts and Science. The lectures and tutorials were handled by:

Dr. M Manickam, IISER Bhopal
(Abstract Algebra – Groups in Action)

Dr. Karam Deo Shankhadar, IISER Bhopal (Number Theory – Quadratic Reciprocity and its Applications)

Dr. Rahul Garg, IISER Bhopal
(Analysis – Infinite Series and its Applications)

Dr. Sandeep E M, Manipal Institute of Technology (Calculus for Machine Learning and Data Science)

Dr. Adersh V K, TKM College of Arts and Science (Tutorial)

Dr. Sreejith M M, SRIBS, Kottayam
(Tutorial)





SRIBS colloquium series

The SRIBS colloquium series is an initiative by the Srinivasa Ramanujan Institute for Basic Sciences aimed at fostering intellectual engagement in various areas of science

The institute organized the first session of the SRIBS Colloquium Series on 6th March 2025, in collaboration with the Department of Mathematics, TKM College of Arts and Science. The session, titled "What is Mathematics?", featured a keynote lecture by Prof. M. Manickam, Adjunct Professor at IISER Bhopal, a renowned mathematician known

for his contributions to Number theory and Modular forms.

The program began with a welcome address by Prof. Suresh C. H., Director, SRIBS, who introduced the objectives of the colloquium series and emphasized its role in creating an academic culture of dialogue and exploration.

An interactive discussion followed the lecture, where students engaged actively with the speaker, raising questions and sharing their thoughts.



INFINITZA 2025

The Department of Mathematics celebrated Pi Day under the banner "INFINITZA 2025". The programme was officially inaugurated by Dr. Vaishakan Thampi. As part of the celebration, various intercollegiate events such as quiz competitions, puzzles, and

fun games were organized. The valedictory session was presided by Dr. M.J. Sheeba, who distributed prizes to the winners. The event concluded with great enthusiasm, leaving participants with memorable experiences of learning and fun.



ISDC Orientation for First year FYUGP students

An Orientation for first-year students was held on 1st August 2024, by the department of Commerce, in association with the International Skill Development Corporation Ltd (ISDC). The session focused on providing career guidance to students, helping them understand various academic

and professional pathways available to them. Experts from ISDC shared valuable insights into emerging career opportunities, the importance of skill development, and the potential impact of choosing the right course or career path early on.



Leveraging Chat GPT for students

A National Skill Development Program (SDP) titled "Minimizing Learning Potential: Leveraging Chat GPT for Students" was conducted by the department of Commerce in association with IBS on 23rd August 2024. The program aimed to explore the transformative potential of AI tools like ChatGPT in enhancing student learning. Renowned experts in the field of artificial

intelligence and education shared their insights on how AI can be used to support students in various aspects of their academic journey, from researching topics to improving writing skills and fostering creativity. The session highlighted practical strategies for integrating ChatGPT into academic workflows, enabling students to maximize their learning potential.





Orientation on professional courses by Logic School of Management



An orientation session on professional courses like CA (Chartered Accountancy) and CMA (Cost Management Accounting) was conducted on September 5, 2024, by the department of Commerce in collaboration with the Logic School of Management. The session aimed to provide students with a comprehensive understanding of these prestigious professional courses and the opportunities they offer in the fields

of accounting, finance, and management. Experts from Logic School of Management shared valuable insights into the curriculum, certification process, and career paths, helping students make informed decisions about their future educational and professional journeys. The event served as a stepping stone for students aspiring to pursue these courses and build successful careers in the corporate world.

Orientation on Enrolled Agent- US Tax Analyst

The department of Commerce conducted an orientation on becoming an Enrolled Agent – US Tax Analyst on 4th October 2024, in association with ASAP Kerala, an MOU partner of the department. The session aimed to introduce students to the specialized field of US tax analysis and the process of becoming an Enrolled Agent. A batch of 25 Students successfully completed the EA programme from this college and

9 students got placements in Multinational Companies like EY, Grant Thornton etc. The orientation session was led by Sri. Vipin Palliyath, Programme Manager, ASAP Kerala and offered a unique opportunity for students to explore career prospects in the growing field of US tax law, highlighting the importance of this qualification in the international tax landscape.



Innovative business idea presentation



The Innovative Business Idea Presentation was organized on 24th October 2024 by the students of the BCom program in association with the Innovation and Entrepreneurship Development Cell (IEDC) of our college. The event provided a platform for young minds to showcase their creativity and entrepreneurial potential by

presenting innovative and practical business ideas. Students demonstrated exceptional enthusiasm and ingenuity, proposing solutions to real-world problems with a focus on sustainability and market feasibility. The program aimed to cultivate an entrepreneurial mindset among students, encouraging them to think critically and work collaboratively.

Orientation on ACCA in association with Lakshya School of Management

An orientation program on ACCA (Association of Chartered Certified Accountants) was conducted by the department of Commerce in association with Lakshya School of Management on 27th November 2024, at the College Seminar Hall. The session was led by Sri.AvinashKulur ACCA. He is a certified Chartered Accountant and Strategic Advisor at the Indian Institute of Commerce, Lakshya. The session aimed

to enlighten final-year B.Com students about the globally recognized ACCA qualification and the career opportunities it offers. The resource persons from Lakshya School of Management provided an insightful presentation on the structure of the ACCA program, its global relevance, and the potential for career growth in finance and accounting fields.





A Journey to Company Secretary as a career with ICSI

The department of Commerce organised a career awareness program titled "A Journey to Company Secretary as a Career with ICSI", in association with the Rotary Club of Quilon on 03/12/2024, aimed to provide students with a comprehensive understanding of the Company Secretary

(CS) profession. The seminar was conducted by Dr. Baiju Ramachandran, FCS, a distinguished academician and legal expert. Dr. Ramachandran outlined the structure of the CS course, the eligibility criteria, and the various career opportunities available in the field.



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 Note - Captured by GPS Map Camera

Career orientation on trending technologies in IT

An orientation session was conducted for the final-year students of the Department of Commerce on the topic "Trending Technologies in IT" in association with JetkingInfotrain Ltd., Kochi. The session focused on the growing potential of the IT sector.

It emphasized the future prospects in IT and highlighted various job opportunities available to students, offering valuable insights into the latest trends and skills required in the industry. Resource Person of the session was Sri. Bennet Basil, Executive officer, Jetkinginfotrain LTD.



Budget talk 2025

The Department of Commerce successfully organized "Budget Talk 2025" a student-led discussion on the Union Budget, on February 17, 2025, from 10:30 to 11:30 AM at the Multimedia Lab. The S4 MCom students delivered an excellent sector-wise presentation, providing detailed insights

into various aspects of the Union Budget. The session was attended by the final-year Ecomath students, who actively participated and showed keen interest throughout. The event concluded with an engaging Q&A session, encouraging further discussion and clarification.



International talk on reshaping business with AI

The Department of Commerce successfully organized an international talk on the topic "Reshaping Business with AI" on February 20, 2025. The event featured Smt. Mamta Pillai, former faculty member of Hult International Business School, Poland, as the resource person. The session focused on the transformative impact of Artificial Intelligence (AI) on modern business practices, highlighting

emerging trends, ethical considerations, and future opportunities.

The official inauguration of the event was performed by Dr. M. J. Sheeba, Principal of the college. The session concluded with an interactive Q&A, where students had the opportunity to clarify their doubts and share perspectives.



The active participation of students of TKM Institute of Management in the International Talk organized by Department of Commerce



Session led by Smt. Mamta Pillai, Faculty member of Hult International Business School, Poland

LUMINA '24



LUMINA'24 - a three day Inter-Collegiate literary fest was held at TKM College of Arts and Science from 22nd July 2024 to 24th July 2024 under the aegis of the PG and Research Department of English in association with Mathrubhumi-The Malayalam national daily. The fest was inaugurated by the Principal of the college Dr.ChitraGopinath in an event presided by Dr.ShafanaShaffi, HOD the department of English. The first day of the fest was marked by various Intercollegiate Literary events such as LITRITZ-a literary quiz competition; SPELLTACULAR-spelling Bee competition and intercollegiate Just a Minute Competition. The second day kicked off with an academic session by Dr.ReenuPunnoose. HOD, Humanities and Social Science Department IIT Palakkad, who delivered an enlightening talk on "Doing HSS in the STEM

Epoch" and this was followed by an inter-collegiate paper presentation competition. The fest's concluding day was marked by the valedictory session inaugurated by the chairman of TKM Trust Dr.Shahal Hassan Musaliar and the stage was graced by Sahithya Academy and Vayalar award winner K.P Ramanunni along with Shri Sujith Kumar, Regional Head of Mathrubhumi. The valedictory session was followed by LUMIERE- Visual representation of Art and Literary protagonists, where students portrayed iconic characters and Pieces of Art from pop culture. This was followed by a "Meet the Author" session with K.P Ramanunni where audience interacted with the author in unravelling his literary experience, journey and foray into literature. The concluding session, that started from 2;30 pm incorporated a "Book Talk" of K.P Ramanunni's works.

Speak Easy with TOEFL

Postgraduate Department of English, TKM College of Arts and Science, Kollam, in association with the Media Club of the college and ASAP Kerala conducted an orientation session titled "Speak Easy with TOEFL" on 4th March 2025. The objective behind organising the session was to introduce students to the know-hows of TOEFL IBT, to discuss effective preparation techniques and to give an awareness of the various opportunities following the successful completion of the test. The

orientation was from 11AM to 12:30PM and was held at the Multimedia Computer Lab of the college. Dr.ShafanaShaffi, Programme Coordinator and Head of the Department of English welcomed the gathering and Dr. M. J. Sheeba, Principal of TKM College of Arts and Science, inaugurated the programme. Ms. Shiny John, Language Trainer TOEFL, provided students with essential information and guidance regarding TOEFL iBT, its structure, key components tested, test scores and preparation strategies.



Result Reunion

'Result Reunion' was organised by the Department of English to felicitate students for their outstanding academic performance in the first semester (FYUGP) and second semester BA English degree examination (CBCSS) conducted by the University of Kerala. The Results Reunion was conducted on 14th March 2025. Students who had achieved the first three positions at the Semester I FYUGP University

Examinations held in November 2024 and Semester II CBCSS Degree examination were honoured by the Principal of the college, Dr. M.J. Sheeba. From S1 FYUGP, GayathryPrem, Amina Shajahan and J. K. Krishna received the honours while Sanam N. S., Aparna Shabu, Aleena J. Gopal and Pooja Jayan of S2 CBCSS were felicitated. Each student was awarded a token of appreciation in recognition of their diligence and academic excellence.

Deeksharambh 2024

The Deeksharambh 2024 Induction Program, organized by the Teaching Learning Centre of T.K.M. College of Arts and Science, was conducted on 10, 11, and 12 July 2024 for 170 first-year undergraduate students. The three-day program, themed "Emerge and Evolve – Towards Success," aimed to prepare students for their academic and personal journey.

The first day, organized in association with ASAP Kerala, focused on personal development and skill enhancement through icebreakers, team-building activities,

SWOT analysis, goal setting, and assertive communication.

The program was formally inaugurated with addresses by the Principal, TLC Coordinator, and IQAC representatives. The second day featured a mindfulness session titled "Hope & Happiness – A Mindful Journey" by Mrs. SaleenaBeevi, emphasizing mental well-being and inner balance. The final day included an awareness session on Anti-Ragging, NDPS, and POCSO Acts by Adv. SatheeshChandran N, highlighting legal responsibilities and campus safety.





FYUGP question bank preparation workshop

The Teaching-Learning Centre of T.K.M. College of Arts and Science, in collaboration with the University of Kerala and the respective Boards of Studies, organized a workshop on FYUGP Question Bank Preparation for the second-semester syllabus. The program was conducted on March 11, 14,

and 17, 2025, across two venues: the Seminar Hall and the Auditorium. Sessions were held for History, Computer Science, Zoology, and English. The workshop aimed to guide faculty in preparing question banks aligned with the cognitive levels prescribed in the syllabus, with emphasis on Bloom's Taxonomy.



National science day celebration 2025

The Teaching-Learning Centre of T.K.M. College of Arts and Science, in collaboration with the University of Kerala and the respective Boards of Studies, organized a workshop on FYUGP Question Bank Preparation for the second-semester syllabus. The program was conducted on March 11, 14,

and 17, 2025, across two venues: the Seminar Hall and the Auditorium. Sessions were held for History, Computer Science, Zoology, and English. The workshop aimed to guide faculty in preparing question banks aligned with the cognitive levels prescribed in the syllabus, with emphasis on Bloom's Taxonomy.



The Department of Botany celebrated National Science Day on 6 and 7 February 2025 with academic enthusiasm and active student participation. The programme aimed to promote scientific temper and create awareness on contemporary scientific and environmental issues. The inaugural session included addresses by faculty members and invited experts who highlighted the role

of science in sustainable development and environmental protection. Expert lectures focused on biodiversity conservation, climate change, and technological innovations relevant to the Anthropocene era. Student research paper presentations and a video-making competition encouraged creativity, critical thinking, and scientific communication skills among participants.

World environment day observance



The Department of Botany, in association with the Nature Club and Biodiversity Club of TKM College of Arts and Science, observed World Environment Day on 7 June 2024. The programme focused on the theme of environmental laws and was jointly organized with the Department of Justice and the District Legal Services Authority. Adv. Rahul V. I., from the Taluk Legal Services Committee, delivered a keynote address highlighting the role of

environmental legislation in conservation. District Sub Judge Jisha Mukundan emphasized that environmental protection is a constitutional duty of every citizen. The function was presided over by Principal Dr. Chithra Gopinath, with faculty members and invited guests addressing the gathering. The observance aimed to create awareness, promote legal literacy, and encourage public participation in sustainable environmental practices.

Faculty Achievements

Aparna L.R.

1. Participated in the Short-Term Course on NEP (2020) Orientation and Sensitization Programme conducted by the MMTTC at Aligarh Muslim University from 21 May 2025 to 28 May 2025.
2. Participated in a three-day National Workshop and Conference on Mathematics and Its Applications organized by the Department of Mathematics, TKM College of Arts and Science (TKMCAS), held from 3 March 2025 to 6 March 2025.

Book Chapters

1. Srijith S., Asitha L. R., Aparna L. R. (2025). Simulation and Analysis of Rutherford Scattering in Gold Foil Using GEANT4. In Science for Sustainability: Emerging Trends and Technologies. ISBN: 978-81-995524-0-1.
2. Aparna L. R., Srijith S., and Asitha L. R. (2025). Exploring Exotic Nuclei: Structure, Reactions, and Astrophysical Significance. In Science for Sustainability: Emerging Trends and Technologies. Sree Narayana College, Sivagiri, Varkala. ISBN: 978-81-995524-0-1.

Dr.SharginaBeegum

Short-term course

NEP 2020: Orientation and Sensitization Programme Organized by the UGC

MMTTC, Aligarh Muslim University From 21st To 28th May 2025.

Dr. Sangeetha G.

Publication

1. Evaluation of in vitro antioxidant, cytotoxicity and FTIR analysis of whole plant extract of Elephantopus scaber L. (Asteraceae)-Girija Sangeetha and Mohammed Sharafudeen Jisha Plant Science Today
2. Comparative in vitro antioxidant analysis of leaf, stem and root extracts of Plumbago zeylanica L. (Plumbaginaceae) Girija Sangeetha, Neethu Raj

Dr Jasin Rahman V. K.

1. Chaired a session in the national-level conference on Climate Resilience held on 03.09.2024, organized by Environment Study and Research Centre (ESARC) of Kerala Sasthra Sahithya Parishad, Kollam District

Committee.

2. Handled a session as a resource person in the 'Trendz Seminar Series, 2024' and delivered a talk on "Exploring Wildlife Science: Higher Studies, Research and Career" on 20.11.2024 at S.N. College, Sivagiri, Varkala.
3. Chaired a session in the "Two-Day Seminar in Connection with National Science Day," sponsored by KSCSTE, Government of Kerala, and organized by the Department of Botany, TKM College of Arts and Science, Kollam, on 06 - 07.02.2025.
4. Chaired a session in "SCILIFE 2025," organized by the Department of Biochemistry, TKM College of Arts and Science, Kollam, on 27.02.2025.

Dr. Rohini Krishna M.V.

Chaired sessions on February 6th, AN as part of the 2-day seminar on National Science Day Celebration 2025, organised by the Department of Botany, in association with KSCSTE.

Presentation in seminar/workshop

1. Presented a paper on February 6th FN on the topic "Comparative growth and larval development of Neopomacentrus nemurus and Neopomacentrus cyanomos" as part of the 2-day seminar on National Science Day Celebration 2025, organised by the Department of Botany, in association with KSCSTE.
2. Presented a paper titled Captive rearing of Big Fin Squid Sepioteuthis lessoniana (Lesson, 1839), exploring the prospects for Juvenile Sea Ranching to replenish and Sustain Fisheries during the International Seminar on Sustainable Development and Climate Change 2025 (ISSDC-2025), organised by the Department of Zoology, Government Dignvijay Autonomous PG College, Rajnandgon, Chhattisgarh, from 04/03/2025 to 06/03/2025.

Publications

Neethu Raj Panickar, Anil M. K, and Rohini Krishna M.V. (2024). Reproductive biology, salinity tolerance of hatchery-reared mysid Eurobowmaniella simulans, W. Tattersall, 1915 (Crustacea, Mysida). Journal of Aquatic Biology

& Fisheries. 12(1) pp. 1-8. ISSN 2321-340X

Refresher courses/orientation programme/short-term course

Participated in the Refresher Course in Interdisciplinary Advances in Biological Sciences conducted by the UGC – Malaviya Mission Teacher Training Centre, University of Calicut, Kerala, from 15-10-2024 to 28-10-2024.

Invited talks

1. Functioned as a resource person for the certificate course class on evolution and engaged the class on Embryological evidence for evolution, organised by Kerala SasthraSahithyaParishad on January 5, 2025.

2. Functioned as a resource person for the certificate course class on evolution and engaged the class on "The evolutionary facts revealed by extinct animals," organised by Kerala SasthraSahithyaParishad on May 4, 2025.

Other achievements

1. Served as a domain expert for the Voice of Stakeholder Connect during July 2025

2. Evaluator for the District-level Evaluation of YIP 5.0 and 6.0 conducted online from 5th to 7th August 2024

3. Interacted with the students on September 23, 2024, who had submitted ideas in the YIP program and provided guidance.

4. Served as Domain Expert for the Voice of Stakeholder connect in Young Innovators Programme 6.0, October 2025

5. Evaluator at Young Innovators Programme 6.0 organised by Kerala Development and Innovation Strategic Council on November 2024.

6. Guideship was conferred on 6/4/2025 for Zoology with NSS College, Pandalam as the Research Centre.

Dr Mumthas Y.

Academic trainings / professional development 2024-2025

1. FYUGP Question Bank Preparation Training (19 February 2025) Participated in the FYUGP Question Bank Preparation Training Programme conducted by the University of Kerala at TKM College of Arts & Science,

Kollam on 19 February 2025.

2. Completed KBA Practitioner and Advanced Practitioner-level training organized on 10 th October 2025 by the Key Biodiversity Area (KBA) Partnership, in collaboration with IUCN, BirdLife International, World Wide Fund for Nature (WWF).

3. Selected as Technical Support Group (TSG) Member, Kerala State Biodiversity Board (2026) – Contributing to the strengthening of Biodiversity Management Committee (BMC) of the Biological Diversity Act, and localization of the Kunming-Montreal Global Biodiversity Framework targets (2022–2030).

Publications

1. Latha, C., & Yahiya, M. (2025). Macrobenthic Communities as Bio Indicators of Water Quality in the Mangrove Ecosystem of Ayiramthengu, Kerala, India. Indian Hydrobiology, 24(1), 201–208. ISSN: 0971-6548. [UGC-CARE listed journal since 2019]. <https://indianhydrobiology.yolasite.com/>

2. C. Latha, Neena Narayanan, Mumthas Yahiya and S. Seethal Lal, 2025. Microplastic Accumulation in Edible Fish Species from Kayamkulam Kayal, Kerala. Indian Hydrobiology, 23(2): 431–446, 2024 Received: 29.10.2024; Accepted: 01.12.2024.

3. ISSN 0971-6548 UGC-CARE List since 2019. <https://indianhydrobiology.yolasite.com/>

4. TKM International Journal for Multidisciplinary Research (TIJMR) Volume 3, Issue 1 – January 2025. ISSN (Online): 2581-8519. ISSN (Print): 2582-130X

5. TKM International Journal for Multidisciplinary Research (TIJMR) Volume 3, Issue 2 – July 2025. ISSN (Online): 2581-8519. ISSN (Print): 2582-130X

6. Book of Abstracts - Two-Day National Seminar on The Hidden Cost of Plastics: Ecological Impacts on Wildlife and Ecosystems. 18–19 September 2025.

Paper presentations

1. Mumthas Yahiya, participated and presented a paper titled Effects of plastic pollution. On National seminar in accordance with National Science Day Celebration organized by Department of Botany in association with KSCSTE at TKMCAS on 07-02-2025.

2.Mumthas Yahya, Faculty-in-Charge (FIC) of the Bhoomithrasena Club, represented the institution in a paper presented in panel discussion on the waste audit experiences on the adverse effects of plastic pollution on world environment Day 2025 state level celebration at Thiruvananthapuram.

Dr. E. Najeem

Publications

1.Arabic: Language of Arts, Civilization and Cultural Exchange- Peer Reviewed Academic Journal, International Journal for Multidisciplinary Research (TJMR). ISSN (Online): 2581-6519, (Print): 2582-130x. Vol.3, N° 1, January 2025, 21-26,

2.NadraUnthoowiyawa Mukhawama Fi al-Arabiyya (Women Behind the Lens: Feminine Gaze and Resistance in Arab Cinema). UGC Care listed, Peer Reviewed Academic Journal, Kalikooth Arabic Journal: Vol 15. Issue 2, May – August 2025

3.Al-Thashaa'umwa al-Suwar al-Ramsiyya fi Shi'irNazik al-Mala-ika(Poetic Imagery and Pessimistic Outlook of Nazik al Malaika). Peer Reviewed Annual Research Journal, Majallath Al Sabah Lil Buhooth. Volume – X, January 2025.

Niyas S.M.

Publication

Diagnosing the Female: Madness, Gender and Narrative Authority in Manichithrathazhu and Athiran. Cognitive Discourses-International Multidisciplinary Journal. Volume 12, Issue 1. July 2024

Anas S

Amala Joy, Mangalaraja R. Viswanathan, Baiju K. Vijayan, Claudia G. Silva, Irfana Basheer, SreejamolSugathan, Peer A. Mohamed, AnanthakumarSolaiappan and AnasShereef, Solar photocatalysts: non-metal (C, N, and S)-doped ZnO synthesized through an industrially sustainable in situ approach for environmental remediation applications, RSC Adv., 2024, 14, 21655.

P.R. RekhaChandran, S. S. Gauri, M. J. Reshma, J. Jiya, R. V. Mangalaraja, S. Anas, CeO₂ quantum dots through assisted-sol-gel methods: Syntheses, physicochemical characterization, and antibacterial studies, Emergent Materials 8 (2025) 577-588.

Ansu Sara Solomon, Reshma Mariyam

Jacob, AnasShereef, PrathibhaVasudevan, MultifunctionalBiOCl: Sm³⁺ nanophosphors: A luminescent platform for solid-state lighting applications, optical thermometry, photocatalytic and forensic applications, Ceramics International 50 (2024) 54348-54370.

RekhaChandranPrasanna Ramachandran, Gauri SanthoshkumarSreedevi, Bobby T. Edwin, ShajeshPalantavida, Mangalaraja R. Viswanathan, AnasShereef, Unveiling the key toxicity indicators and mechanisms on phytotoxicity of cerium dioxide nanoparticles in rice (*Oryza sativa*), Chemosphere 376 (2025) 144270.

Sumalekshmy S.

Balancing Brightness and Photobasicity: Modulating Excited-State Proton Transfer Pathways in Push–Pull Fluorophores for Biological Two-Photon Imaging, Adam M. McCallum, Jiyao Yu, S. Sumalekshmy, Abigail Hagwood, and Christoph J. Fahrni, J. Phys. Chem. A. 2024, 128, 9904–9916

ChithraGopinath

SimimoleHaleema,ChithraGopinath, ZabeeraKallingathodi, Grace Thomas and Prasad L. Polavarapu, Medicinally Significant Enantiopure Compounds from Garcinia Acid Isolated from Garcinia gummi-gutta, Symmetry 2024, 16(10), 1331 (Invited article)

A.N. Anoopkumar., ChithraGopinath, SurendharAnnadurai, S. Abdullah, AyonTarafdar, SulfathHakkimHazeena, Reshmy Rajasekharan F Laya Liz Kuriakose, Embalil Mathachan Aneesh, Luciana Porto de Souza Vandenberghe, Julio Cesar deCarvalho, CarlosR. Soccol, ParameswaranBinod , AravindMadhavan, Raveendran Sindhu, Biotechnological valorisation of cashew apple: Prospects and challenges in synthesising wide spectrum of products with market value, Bioresource Technology Reports, 2024, 25,101742

Simimole H.

Simimole Haleema, Chithra Gopinath, Zabeera Kallingathodi, Grace Thomas and Prasad L. Polavarapu, Medicinally Significant Enantiopure Compounds from Garcinia Acid Isolated from Garcinia gummi-gutta Symmetry 2024, 16(10), 1331; <https://doi.org/10.3390/sym1610133> (Invited Article)

1. Dr. Ruksana Sulthana A H

Publications:

1. Examining the Influence of Influencer Marketing: A Bibliometric Overview of Past Research,
2. IPE Journal of Management, ISSN2249-9040,2024.
3. Revealing the Influence of eWOM in Consumer Purchase Choices: A Bibliometric Analysis, Commerce and Business Research, ISSN 0976-4791,2024.

2. Dr. Shiny Salam

Publications:

1. Publication in Scopus-“Over-The Top(OTT) Video Streaming Services’ Continuance Adoption During and After Covid 19 pandemic Mediation Analysis Comparing two Research frameworks” in Journal of Infrastructure, Policy and Development, Nov 2024 ISSN 2572-7931(Q2Journal)
- 2.UGC CARE listed – “Resurgence of Small Eateries Through Partnerships,or The goals:The Successful Business Model of Online Food Apps in Kerala ” Journal of Lifestyle and SDG’s Review, 2025.
3. Push-Pull Effect on Eco-Tourism Destination Loyalty, Innovatus Journal, 2024.

Seminars:

1. All India Accounting Conference, Kolkata, 2024.
2. International Conference on Emerging Business Models, TVM, 2025.

Achievements:

1. Best Paper Award – Feb 2025.
2. Certificate of Excellence – Reviewer.
3. Shehnaz S R

Seminars:

Presented paper at 47th All India Accounting Conference, 2024.

Achievements:

1. Produced one Ph.D scholar.

4. Dr. Thanseena Bai R

Publications:

1. Sustainable Finance and Use of AI in Investment Decision Making.

2. Mapping Financial Inclusion: A Bibliometric Review.

Seminars:

1. Presented a paper at 47th All India Accounting Conference,2024 From ledgers to algorithm rethinking accountant.
- 2.Presented a paper at Mar Ivanious college Application of AI and machine learning in detection and prevention of frauds by banks in India.

Refresher Course – 1.UGC Malaviya Mission, University of Kerala.

2.NEP orientation and sensitization Programme at UGCMalaviya Mission University of kerala

3.5 days FDP on mastering research techniques and academic writing in commerce education, Qualitative analysis to AI driven insights at Bagalkot university Karnataka .

Achievements: Certificate as reviewer in a journal

5. Dr. Sulfiya Samad

Seminars/FDP:

1. NEP Orientation Programme – 7 days.
2. NFLP – MDP Programme, IIM Kozhikode.

6. Jeena R

Publications:

1. Sustainable Finance and Use of AI in Financial Decision Making, IJAR, 2024.

7. Dr. Riyas Y

Seminars:

NFLP Programme, IIT Madras, Dec 2025.

8. Fouziya R

Publications:

1. Remote and Hybrid Working Implications, Management Researcher, 2025.
2. Role Conflict and Role Overload, Integrative Scholarsight, 2024.

Seminars/FDP:

UGC Faculty Induction Programme, AMU Aligarh.

9. Aziya Shanavas

Publications:

Sustainable Finance and Use of AI in Investment Decision Making, IJAR.

Adersh. V.K

Awarded PhD in Mathematics

Faculty attended FDP programmes

SumalekshmyS

Participate dina Short Term Course on Designing Effective MOOCs organized by UGC-MMTTC, Aligarh Muslim University from 30-05-2024 to 05-06-2024.

Attended a Short Term Programme on Skill Development conducted by MMTTC, University of Hyderabad from 26-08-2024 to 31-08-2024.

DiveshKumar. K.V.

Completed an online Short Term Course on NEP 2020 Orientation and Sensitization Programme organized by MMTTC, University of Kerala from 17-02-2025 to 28-02-2025.

Siyad. M.A.

Participate dina online Short Term Course

on Curriculum Design and Outcome-Based Education conducted by UGC-MMTTC, University of Kerala from 07-08-2024 to 13-08-2024.

Simimole H.

Refresher course on MOOC's and E-content development- Online conducted by MMTTC, University of Hyderabad from 18/11/2024 to 30/11/2024

Anas. S

Attended the UGC Sponsored one week online STC on "Artificial Intelligence and Machine Learning in Teaching" by Malavya Mission Teacher Training Centre (MMTTC), Aligarh Muslim University, Aligarh from 25-06-2024 to 01-07-2024.

Students' Achievements



ASIYA SHEREEF
1st Rank
Islamic History



FATHIMA SUSHEER
2nd Rank
Islamic History



ASIYA N
3rd Rank
Islamic History



AYISHA S S
2nd Rank
M.Sc Physics



ARUNIMA S
3rd Rank
M.Sc Physics



THANKOM P UNNI
5th Rank
M.Sc Physics



ASEEF S
1st Rank
BA Economics & Mathematics
2022-2025



GOPIKA RAJ
2nd Rank
BA Economics & Mathematics
2022-2025



AALIYA MUHAMMED
3rd Rank
BA Economics & Mathematics
2022-2025

Students' Achievements



AYSHA JASMINE
Cleared UGC NET in Economics
BA Economics and Mathematics
2020-2023



SREELEKSHMI R
IBPS PO 2025
Bank of Maharashtra
(Placement)



FATHIMA BEEVI
First Rank
MSc Biochemistry



SHAZIA SHAHALUDEEN
Second Rank
MSc Biochemistry



GOPIKA GOPAN
Third Rank
MSc Biochemistry



NAIMA NOUSHAD
Fourth Rank
BSc Biochemistry



ANZIYA ANZAR
Eighth Rank
BSc Biochemistry



MUHAMMED HASSAN A
B.Sc Physics
VATTAPATT – 1 PRIZE
Mappilapatt – 1 prize



ELSA G. MIRANDA
Third Rank
BSc Mathematics

Students' Achievements



DEEPAK RAJ
Second Rank
BSc Mathematics

**Gold Medal in Senior
State Championship**



A. AMAL
II BSc Physics
Ball Badminton

**Gold Medal in Senior
State Championship**



VAISAKH. S
II BA, Eco-Math
Ball Badminton

**Silver Medal in Senior
State Championship**



JOMON JOY
III BCom
High Jump

**Gold Medal in Junior
State Championship**



MANU. M
III BA, Eco-Math
Ball Badminton

**Bronze Medal in Senior
State Championship**



LIYA CHANDRAN
II MSc Mathematics
Wushu

**Gold Medal in Junior
State Championship**



ARVIN RAJ
I BSc Bio-Chemistry
Ball Badminton

JOMON JOY
III BCom
High Jumper



- ♦ Gold medal in the under 23 National Championship held at Patna and Open National Athletics Championship held Bengaluru.
- ♦ New meet records in the Under 23 National Championship and Kerala University Intercollegiate Athletic Meet 2024-25
- ♦ Represented Kerala State Team and Kerala University Team in prestigious events such as the 38th National Games 2025 at Uttarakhand and All India Inter University Athletic Championship 2024-25 at Bhuvaneswar respectively.

Students' Achievements

MUHAMMED BASIL
III BA, English
Sprinter



- ♦ Gold medal with a new meet record in the 4 x 400 meter relay at the All India Inter University Athletic Championship 2024-25.
- ♦ One Gold, one Silver, one Bronze medal in the 4 x 400 meter relay, 400 meter, and 200 meter events respectively at the Kerala University Intercollegiate Athletic Championship 2024-25
- ♦ Represented Kerala State Team and Kerala University Team in prestigious events such as the 38th National Games 2025 at Uttarakhand and All India Inter University Athletic Championship 2024-25 of Bhuvaneswar respectively.

VAISAKH. S
II BA, Eco-Math
Ball Badminton Player



- ♦ Bronze medal in the 69th Junior National Ball Badminton Championship 2024 held at Nagpur, Maharashtra.
- ♦ Gold medal in the Kerala Junior State Ball Badminton Championship 2024.
- ♦ Represented Kerala State Team in the All India Inter University Ball Badminton Championship 2024-25 at Mangalore.

ATHUL JITH. A
III BSc Mathematics
Sprinter



- ♦ Gold medal in Senior State Championship and State Inter Club Championship
- ♦ Represented Kerala State team in the Under 23 National Championship 2024 at Patna. Open National Championship 2024 at Bengaluru.
- ♦ Represented Kerala University team in the All India Inter University Athletic Championship 2024-25 at Bhuvaneswar.

Athletics



HAJIRA BASHA
II BA Islamic History

Silver Medal in Karate



MIDHULA MANEESH
I BSc Physics

Silver Medal in Karate



AMRUTHA. S
III BCom

**Gold Medal in Fencing and
Bronze Medal in Wushu**



LIJA CHANDRAN
II MSc Mathematics
Silver Medal in Karate

**Silver Medal in
Hammer Throw**



VYSHNA. K.V
II BCom

**Silver Medal in 400 Mtr and
Bronze Medal in 200 Mtr**



MUHAMMED BASIL
III BA English
Silver Medal in Karate

**Gold Medal in Wushu and
Silver Medal in Boxing**



ABRAHAM M KURIAKOSE
I MCom

**Gold Medal with New Meet
Record in High Jump**



JOMON JOY
III BCom

**Silver Medal in High Jump and
Bronze Medal in Tripple Jump**



ATHUL JITH. A
III BSc Mathematics

Athletics



JOY K SIMON
III BA Islamic History

Students' Achievements

Fencing



LIJA CHANDRAN
III MSc Mathematics

Archery



NIMA ELIZABETH ROY
II BCom

Wushu



ABRAHAM M KURIAKOSE
I MCom

Ball Badminton



A. AMAL
II BSc Physics

Ball Badminton



VAISAKH. S
II BCom Eco-Math

Athletics



JOMON JOY
III BCom

Athletics



MUHAMMED BASIL
III BA English

Athletics



ATHUL JITH. A
III BSc Mathematics



ACHUTH VINAYAK
MUHAMMED BASIL
III BA English

JOY K SIMON
II BA Islamic History
JOMON JOY
II BCom

Gold Medal in 4 x 400 Meter Relay



A. AMAL
II BSc Physics

VISHAK. S, KARTHIK BINU,
MUHAMMED AFSAL
II BCom Eco-Math

MANU. M, JISHNU
III BA Eco-Math

ARAVIND RAJ
I BSc Bio Chemistry

ABHISHEK. R
II BSc Mathematics

2nd Runners Up in Ball Badminton



ARNAV ARUNJITH
NIVEDH. R
I BCom

SURYA PRASAD
I BA Eco-Math

ARUN RAJ
II BCom

A. AMAL
II BSc Physics

2nd Runners Up in Ball Badminton

NATIONAL SERVICE SCHEME

TKM COLLEGE OF ARTS AND SCIENCE

A PROFILE

The TKM College of Arts and Science, established in 1956, has been a pioneer in higher education, fostering academic excellence alongside social responsibility. Guided by its vision of holistic development, the institution actively promotes initiatives that nurture civic sense and community engagement among students.

The National Service Scheme (NSS) unit of the college plays a vital role in translating this vision into action. With a consistent strength of volunteers and a wide range of programmes, the unit focuses on community-oriented activities such as social outreach, environmental sustainability, awareness campaigns, and skill development. These efforts aim to shape socially conscious and responsible individuals.

Through its diverse initiatives and sustained engagement with society, the NSS unit continues to uphold the core values of service, leadership, and collective growth, making it an integral part of the institution's mission.

KEY AREAS OF ACTIVITY

1. Community Service & Social Outreach

The NSS unit undertook impactful initiatives focusing on marginalized and vulnerable communities:

- Palliative Care Programs: Support for patients through visits, donations, and emotional care
- Onam Kit Distribution: Essential supplies provided to underprivileged families
- Snehapanku: Monthly food distribution drive
- Orphanage Visits (Dhayaniram): Material aid and emotional engagement

These initiatives promoted empathy, inclusivity, and direct community support.

2. Agriculture & Sustainability

The unit actively promoted sustainable practices through:

- Paddy cultivation and harvesting (Kathir initiative)
- Campus farming (pepper, vegetables, plantain cultivation)
- Sapling plantation (80–100 annually)
- Agricultural fairs like Makaramela,

supporting local farmers

These programs strengthened students' connection with agriculture and sustainability.

3. Awareness & Advocacy Campaigns

A wide range of awareness programs were conducted, including:

- Anti-drug campaigns (Vimukthi)
- Cyber security awareness sessions
- Constitution and human rights seminars
- Environmental and cleanliness drives

Rallies such as Hiroshima Day, Human Rights Day, and Pulwama Day reinforced civic awareness and national responsibility.

4. Inclusivity & Social Innovation

The NSS unit demonstrated strong commitment to inclusivity:

- Audio Book Creation for visually impaired individuals
- Voice Library Initiative (30 books recorded in 3 months)
- Training volunteers to assist visually impaired participants

These initiatives highlight innovation in accessible education and social inclusion.

5. Digital Literacy & Public Engagement

Volunteers contributed to digital awareness by:

- Promoting the UTS railway ticketing app
- Educating the public on digital tools and safe practices
- Supporting government initiatives like Digital India

ASSETS CREATED BY NSS UNITS

1. Physical & Economic Contributions

- Agricultural output (paddy, vegetables, pepper cultivation)
- Estimated asset value: 1,00,000+
- Donations including wheelchairs, medicines, and ration kits

2. Social Capital

Strong collaborations with:

- Panchayats
- Hospitals (Medicity, NS Hospital)

- NGOs and government departments

These partnerships enhanced the reach and sustainability of NSS activities.

3. Special Programs & Events

Major highlights include:

- Biriyani Challenge: Fundraising for Wayanad landslide victims
- Special Camps (ANP, Prachodana): Leadership and skill development
- Readathon, Quiz, Cultural Events: Academic and creative engagement

These programs helped build leadership, teamwork, and organizational skills among volunteers.

4. Impact & Outcomes

The NSS unit has significantly contributed to:

- Development of socially responsible youth
- Increased community engagement
- Promotion of sustainability and inclusivity
- Skill-building in leadership, communication, and teamwork

Volunteers gained hands-on experience in organizing programs, public speaking, and

problem-solving.

CONCLUSION

The National Service Scheme Unit of TKM College of Arts and Science has consistently demonstrated a strong commitment to community service, student development, and social responsibility. Through structured activities such as palliative care, agricultural initiatives, awareness campaigns, and digital literacy programs, the unit has effectively addressed real societal needs while promoting holistic growth among volunteers.

The unit's strength lies in its balance between service and learning. Volunteers actively engage with communities, gaining practical skills, leadership qualities, and a deeper sense of empathy. Initiatives focused on inclusivity, sustainability, and public awareness reflect the unit's relevance in today's social context.

Overall, the NSS unit continues to uphold the spirit of "Not Me, But You" by creating meaningful impact both within and beyond the campus. Its consistent performance, community engagement, and student empowerment make it a deserving candidate for the NSS Award 2024-25.





3 KERALA GIRLS BATTALION NCC SW

National Cadet Corps is a youth organization under the Ministry of Defense which provides all round development of cadets. It plays a pivotal role in shaping the youth of India into disciplined, patriotic, and socially responsible citizens. Through a comprehensive curriculum encompassing social service, rigorous training, and various camps, NCC cadets develop invaluable life skills, a sense of national unity, and a commitment to selfless service.



Capt. Liby K.S

TKMCAS NCC Girl Cadets aren't just breaking barriers but are actively cultivating a transformative pathway toward enhanced empowerment and exemplary leadership.



SUO Nishana



UO Sruthy



UO Vyshnavi



3KERALA GIRLS BN. NCC SW TKMCAS-108 CADETS



ACHIEVEMENTS 2024

Sl.No.	Name of Cadet	Camp Attended	Month & year
1	UO Vyshnavi G	All India Trekking ,Kerala	Sept 2024
2	UO Sruthy V R	All India Trekking Tamilnadu	May 2024
3	SGT FathimaB	Amry attachment camp pangode	Jan 2024
4	SGT Fathima S	Amry attachment camp pangode	Oct 2024
5	SGT Asha Varghese	EBSB,Maharashtra	Dec 2024
6	SGT Subitha Mohan S	Amry attachment camp pangode	Oct 2024
7	SGT Anagha D	Amry attachment camp pangode	Oct 2024
8	SGT Amrutha J	Amry attachment camp pangode	Oct 2024

Placement details of students

NAME	BATCH	COMPANY	Designation	Photo
Fathima M	Bsc Botany (2021_24)	Piramal Finance	Relationship Manager	
Naima Noushad	Bsc Biochemistry	Integrated Enterprises	Trainee - Relationship Manager	
Mithun Kumar k	B.Sc Chemistry 2022-25	Integrated	Trainee- Relationship Manager	
Aneena Shamsudhee n	Bcom Finance 2022-2025	Integrated enterprises private limited	Relationship Manager	
Alameen H	B.com computer application	Mahindra	Trainee	
Greeshma R Gopan	B.Sc Physics 2022-25	Integrated	Traine- Relationship Manager	
ASIYA JAHAN.S	BA. ENGLISH 2022-25	Integrated	Traine- Relationship Manager	
Nishad N	B.Sc Physics 2022-25	Integrated enterprises	Relationship manager	
Afia S Nijar	B.Com Computer Application	Integrated	Relationship Manager - Trainee	
V Anu Rajeev	B.Sc physics 2022-25	Integrated	Trainee - Relationship manager	
Greeshma R Gopan	B.Sc Physics	Integrated enterprises	Relationship manager	

KRISHNA RAJU	Bsc physics	Integrated enterprises	Trainee - relationship manger	
Sariga RS	B.Com	Integrated enterprises	Relationship manager	
Hiba Raj	B.Sc Physics	Integrated enterprises	Relationship manager	
Rahul pradeep	Bsc zoology 2025	Integrated enterprises	Relationship manager	
Devisree D	Bsc Physics (2022-25)	Integrated Enterprises	Relationship Manager	
Alameen	Bcom computer application	Integrated pvt Ltd	Relationship Manager	
Sneha M	Bcom Finance 2022-25	Integrated Enterprises Private Limited	Relationship Manager	
Farhan Muhamed S	BA English 2022-25	Sutherland	Associate	
Yusra khadeeja	Ex . BA ENGLISH LANGUAGE AND LITERATURE	Sutherland	CSA	
Abishek MG	BA English Language and Literature 2022-25	Integrated Enterprise Pvt Limited	Relationship Manager	

Anziya Anzar	BSc Biochemistry 2022-2025	Prochant	AR caller	
Sanad Najumudeen	M.Com 2023-25	Grant Thornton Indus	Tax Analyst	
Fathima Faisal	Bcom finance 2022-2025	Prochant	Process trainee	
Aparna v	B sc chemistry	Prochant	AR process associate	
ASNA MOL S	B.Sc chemistry 2022-2025	Prochant	AR process associate	
Mithun T	MA ENGLISH 2022-24	T. K. M. College of Arts and Science	Assistant Professor (Guest Faculty)	

Training and Placement Cell

Our College Placement Cell is a dynamic and student-focused platform dedicated to helping students build successful careers. It actively organizes campus recruitment drives by inviting reputed multinational companies, providing students with a wide range of career opportunities. As one of the leading arts and science colleges in Kerala, we take pride in our excellent placement record, which reflects our strong commitment to student success. We assure that any student who has a firm determination to secure a job will be

placed, as it is a guarantee of our Placement Cell.

The Placement Cell also conducts regular training programs to improve students' employability skills, including aptitude, communication, and interview preparation. Special support is given to students who need additional guidance, with customized training sessions aimed at boosting their confidence and overall performance. This ensures that every student is well-prepared to achieve their career goals.





T K M COLLEGE OF ARTS & SCIENCE

KOLLAM, KERALA - 691 005

**Re-accredited by NAAC with A++ Grade
(DST-FIST Funded Institution)**

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