



# TKM COLLEGE OF ARTS & SCIENCE

KOLLAM, KERALA - 691 005

(Aided by Government of Kerala & Affiliated to University of Kerala)  
Re-accredited by NAAC with **A++** Grade



**Best Practice I**



# BEST PRACTICE I

## **Academic Interventions Initiatives (AII) “Educate to Empower”**

Epitomises the vision and mission of the institution

Centralised initiative to streamline the efficacy of various academic activities and reforms

### **Objectives**

- 100 per cent ICT infiltration in classrooms
- Reforms to facilitate student progression into higher education/research
- Orienting classroom learning towards skill and employability enhancement
- Additional support for underprivileged students – monetary, educational resources, IT facilities access etc.

### **Context**

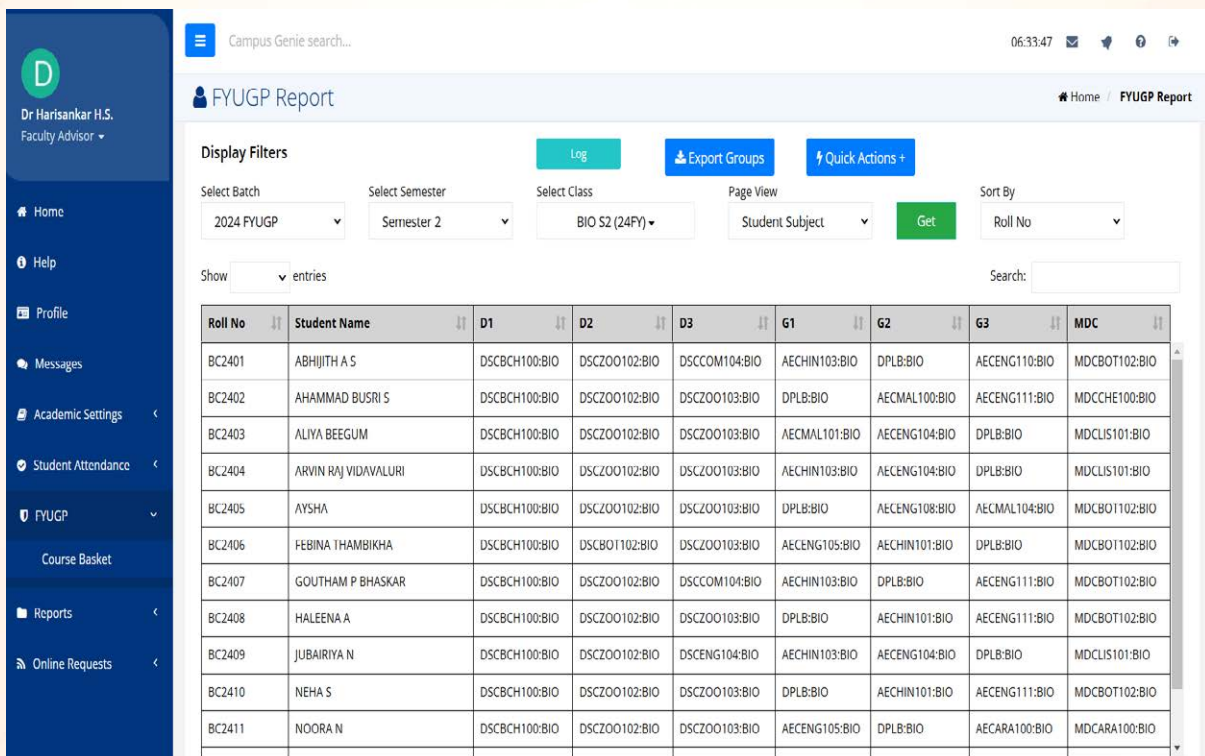
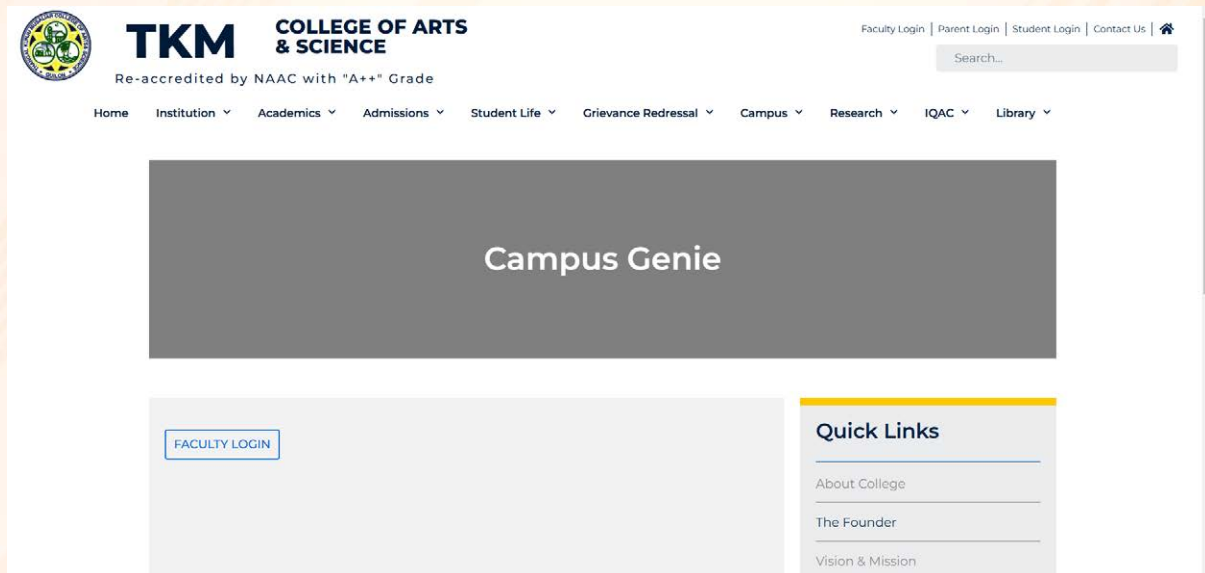
As a nation, India is moving towards a knowledge economy and society. Since 2014, the Government of India and MHRD has focused on moving the higher education sector towards a more multidisciplinary orientation while guaranteeing increased access, equity and inclusion. T. K. M. College of Arts and Science envisaged the aims and objectives of the **Academic Interventions Initiatives** taking this vision of the Central Government into account.

### **Practice**

**Academic Interventions Initiative (AII)** – includes strategies and measures instituted to enhance the efficacy of the teaching-learning process and faculty empowerment programmes. The institution adheres to the UGC/NAAC/University stipulated outcome-based blended learning. Even before the onset of the pandemic, the college, under the aegis of the IQAC, had taken steps to supplement regular classroom teaching with ICT tools. The steps include:

## Best Practice I

- **Upgradation of LMS from Campus Technology to Campus Genie which provides the facilities for timetable generation, hosting live classes, online examination, add-on courses, access to additional educational resources**



- **Certificate Courses specifically designed to enhance student employability**
- **Organization of faculty training programmes to educate faculties about various online educational resources and platforms.**

## Faculty Training Programmes

Kottamkara, Kerala, India  
WJ7M+RQ4, Karicode, Peroor, Kottamkara, Kerala 691005, India  
Lat 8.91503°  
Long 76.634985°  
10/08/23 11:54 AM GMT +05:30

Kollam, KL, India  
Karcode, Kollam, 691005, KL, India  
Lat 8.915045, Long 76.635097  
08/10/2023 09:53 AM GMT +05:30  
Note : Captured by GPS Map Camera

Kottamkara, Kerala, India  
WJ7M+RQ4, Karicode, Peroor, Kottamkara, Kerala 691005, India  
Lat 8.915077°  
Long 76.634985°  
10/08/23 09:54 AM GMT +05:30

- **Academic Enhancement Programmes (AEP)**

## Academic Enhancement Programmes (AEP)

Date	Time	Session	Topic
04/07/2023	08:30 pm - 09:00 pm	Session 1	Re-Energising Research in the Context of HEP
04/07/2023	09:00 pm - 09:30 pm	Session 2	How to Write a Compelling Proposal for the AEC of Higher Education Training
04/07/2023	09:30 pm - 10:00 pm	Session 3	Facilitating Innovation
04/07/2023	10:00 pm - 10:30 pm	Session 4	Developing Research in the Context of HEP
04/07/2023	10:30 pm - 11:00 pm	Session 5	How to Write a Compelling Proposal for the AEC of Higher Education Training
04/07/2023	11:00 pm - 11:30 pm	Session 6	Facilitating Innovation
04/07/2023	11:30 pm - 12:00 pm	Session 7	Developing Research in the Context of HEP
04/07/2023	12:00 pm - 12:30 pm	Session 8	How to Write a Compelling Proposal for the AEC of Higher Education Training
04/07/2023	12:30 pm - 13:00 pm	Session 9	Facilitating Innovation
04/07/2023	13:00 pm - 13:30 pm	Session 10	Developing Research in the Context of HEP

Kottamkara, Kerala, India  
WJ7M+RQ4, Karicode, Peroor, Kottamkara, Kerala 691005, India  
Lat 8.915042°  
Long 76.634985°  
04/07/23 02:26 PM GMT +05:30



How to Write a Compelling Proposal: the ABCs of Procuring Research Funding



### **COUNSELLING ASSISTANCE AND RESOURCES FOR EDUCATION (CARE)**

Counselling Assistance and Resources for Education (CARE) exclusively caters to the needs of slow learners by providing them assistance with lab sessions, mock tests, and additional learning materials. The CARE project embodies a thoughtful and inclusive approach to student development. Addressing different academic and personal growth aspects fosters a learning environment where all students can thrive.

#### ➤ **Mentor-Mentee Coaching**

This strategy is pivotal in building meaningful relationships between mentors and mentees. It can include regular check-ins, goal-setting sessions, and life skills coaching. Effective mentor-mentee coaching helps students navigate academic challenges and provides emotional support, encouraging personal growth and resilience.

#### ➤ **Remedial Classes**

These sessions can be tailored to focus on specific subjects or skills where students face difficulties. Incorporating varied teaching methodologies, such as interactive lessons, practice exercises, and peer learning, can enhance the effectiveness of remedial classes. Frequent assessments can help track progress and adjust strategies as needed.

#### ➤ **Support for Slow Learners**

Personalised learning plans are crucial here. These include one-on-one tutoring, adaptive learning tools, and access to learning aids like videos and interactive modules. Encouraging a growth mindset and recognizing small achievements can significantly boost confidence and motivation.

#### ➤ **Workshops and Skill Development:** Adding workshops on study skills, time management, and stress management can help students build holistic abilities.

## JEEVANI PROGRAMME: AIM AND FUNCTIONING

Jeevani – a preventive and promotional Mental Health and wellbeing has started in our college on January 1. The objective of Project Jeevani is to improve awareness and promote mental health along with ensuring early identification of psychological issues among students. As a part of this Jeevani conducted programmes for creating awareness about Mental Health and provided counselling for students having psychological issues.

### JEEVANI SITE:

<https://www.governmentcollegeattingal.in/index.php/studentcorner/jeevani>

- **JEEVANI COMMITTEE MEMBERS**

College level Jeevani Committee consisting of chairman (Principal- Dr Chithra Gopinath) Jeevani coordinator (Dr Rohini krishna M V, Assistant Professor, Department of Zoology), and Mental health Professional (Jija Mol J, Psychology Apprentice).

- **JEEVANI COUNSELLING ROOM**

The counselling room is spacious and consists of one chair (for counsellor), two chair (for clients) and one table

- **JEEVANI SERVICES**

As part of the programme the services offering to the students are

1. Counselling for students having psychological issues.
2. Conducting of programmes for creating awareness about mental health.
3. Early detection of student's problems.
4. Development of Social Skills among students.
5. Development of life skills among students.
6. Development of mental health.
7. Individual and group counseling sessions.
8. Psych education to both students and parents.

## Best Practice I

### A. Number of Sessions

- Total Number of students who availed counselling services: 26
- Number of New Cases: 26
- Number of Follow-up sessions: 43
- Number of Referral: 1
- Number of various categories:
  - Male- 8
  - Female-18
  - UG-26
  - PG-0
  - PhD students-0

### B. Nature of Stressors reported by the student:

- Academic: 13
- Financial: 2
- Family Related: 3
- Relationship issues: 3
- Career-related: 2
- Crisis: 1
- Active Suicidal Ideation: 1
- Not Specific: 0

### C. Type of Referral:

- Self-Reference: 20
- Teachers: 3
- Friends, peer group etc.: 3
- Family: 0

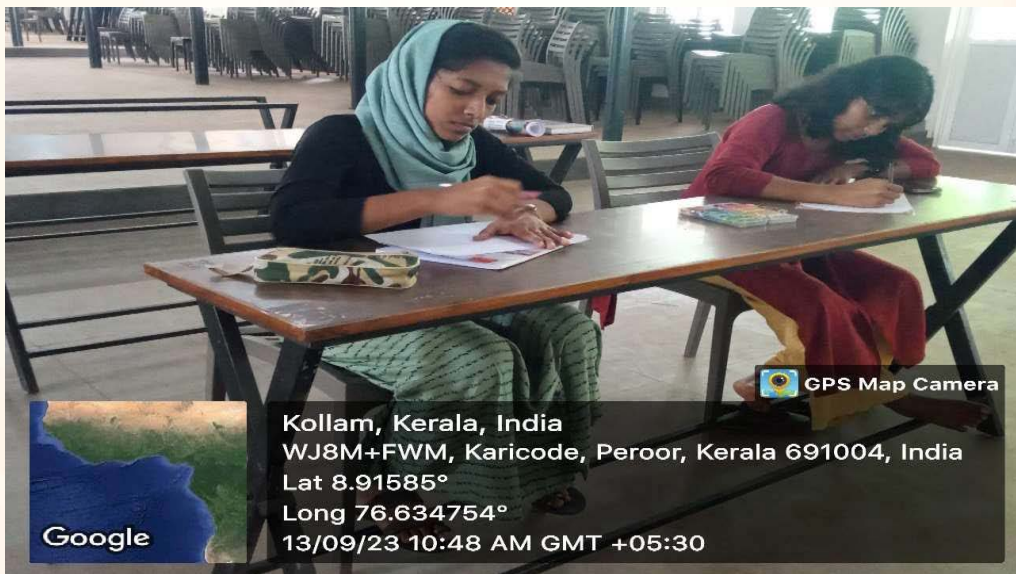
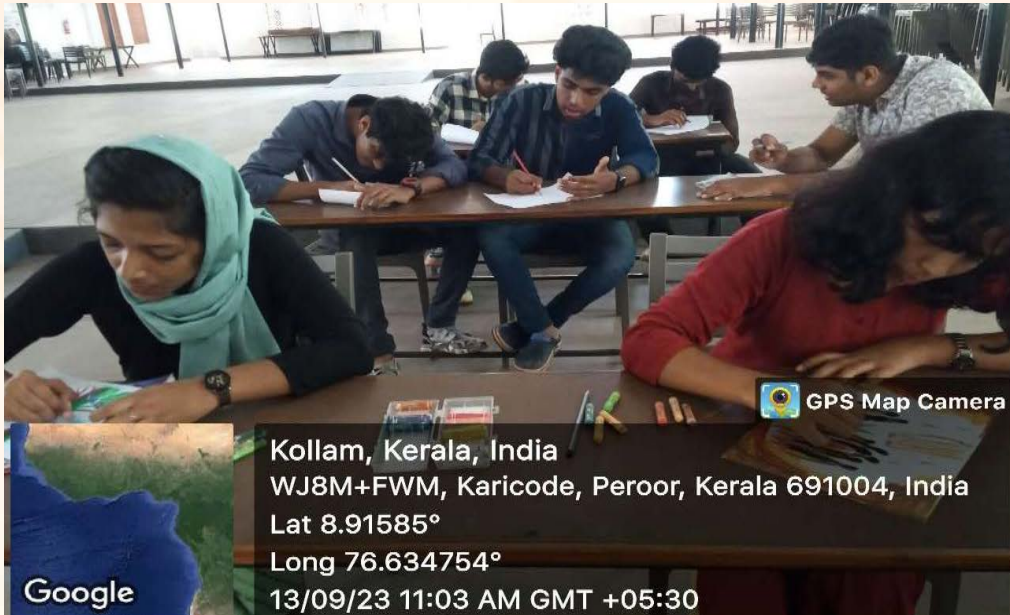
### D. Nature of Intervention:

- Individual / Family counselling: 15
- College level intervention: 3
- Others: 0

### E. Provisional Diagnoses:

1. Family Related Issues.
2. Relationship Issues.
3. Anxiety Issues.
4. Study Related Issues.
5. Social Anxiety.
6. Peer group Issues.
7. Over thinking.
8. Phone over usage
9. Sleep disturbances.
10. Career Related issues.





## Best Practice I

Under the guidance of CACEE (Centre for Adult Continuing Education and Extension), Microsoft Office Programmes are provided to students to develop valuable skills and knowledge. These programmes help students become proficient in using Microsoft Office tools such as Word, Excel, PowerPoint, and Outlook. Such programmes can be incredibly beneficial for both personal and professional development.

Sl. No.	Name	Reg. No.	Department	Semester 3	Semester 4
1.	Fathima A.	24522142025	Botany	20	20
2.	Fathima K.	24522142026	Botany	20	20
3.	Shibina B.	24522142034	Botany	20	20
4.	Safeer Muhammad	15922142106	B.Com C.A.	20	20
5.	Hana J. Pampalil	24522142030	Botany	20	20
6.	Aisha N.	14122142034	Islamic History	20	20
7.	Amina S.	14122142038	Islamic History	20	20
8.	Muhammed Ali Jouhar	14122142047	Islamic History	20	20
9.	Muhammad Sajad S.	24522142006	Botany	20	20
10.	Gayathry S.	24522142029	Botany	20	20
11.	Jayalekshmi B.	24522142031	Botany	20	20
12.	Anshad S.	14922142014	Economics & Mathematics	20	20

## COACHING/ASSISTANCE AT THE DEPARTMENT LEVEL FOR QUALIFYING/ENTRANCE EXAMINATIONS

Students are given coaching/assistance for cracking qualifying examinations (like NET, SET, SLET, GATE) as well as entrance tests for admission into various state research departments as well central universities.

## CAREER GUIDANCE COUNSELLING AT DEPARTMENT LEVEL AND IQAC-LEVEL

### National Workshop on Fundamentals and Applications of Spectroscopy

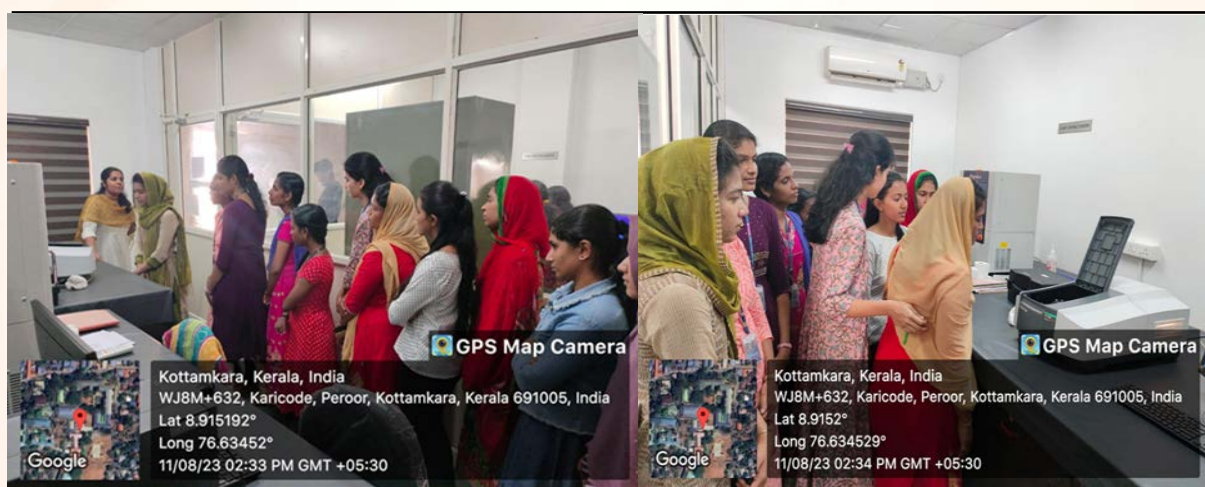
The Department of Biochemistry in collaboration with the Research Cell and IQAC of TKM College of Arts and Science, Kollam, Kerala, India, organized a National Level One- Day Workshop on “Fundamentals and Applications of Spectroscopy.” on August 11, 2023. The primary objective of the workshop was to provide participants with a comprehensive understanding of the principles and practical applications of spectroscopy across diverse fields. The workshop aimed to enhance attendees’ knowledge and ensure they remain abreast of the latest advancements in spectroscopic techniques. Dr. Ajith Kumar A. from the Indian Institute of Science (IISc), Bangalore, delivered an enlightening presentation on “Characterizing Visible and Invisible Proteins Using Solution NMR Spectroscopy.”



Moments from the Fundamentals and Applications of Spectroscopy Workshop



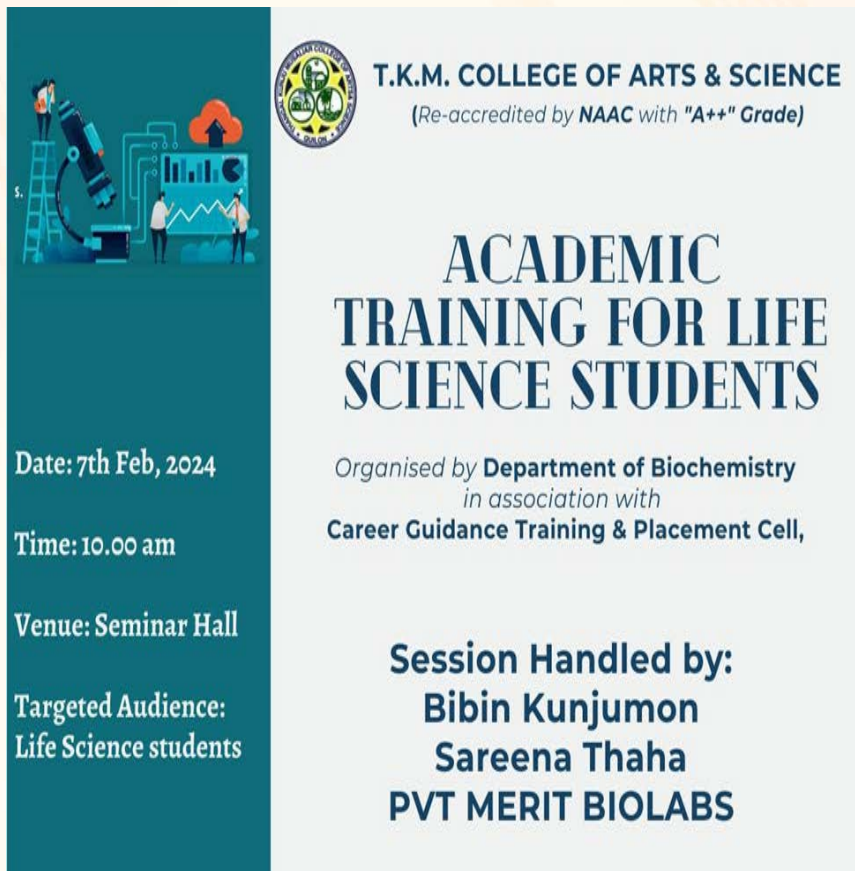
Captures from the Spectroscopy Workshop



Hands-on demonstrations of various spectroscopic instruments

The event succeeded in its mission to impart valuable insights into the principles and practical applications of spectroscopy, equipping attendees with the knowledge and skills to remain at the forefront of advancements in this field.

## Academic Training for Life Science Students



**T.K.M. COLLEGE OF ARTS & SCIENCE**  
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**ACADEMIC TRAINING FOR LIFE SCIENCE STUDENTS**

Organised by **Department of Biochemistry**  
in association with  
**Career Guidance Training & Placement Cell,**

**Session Handled by:**  
**Bibin Kunjumon**  
**Sareena Thaha**  
**PVT MERIT BIOLABS**

Date: 7th Feb, 2024  
Time: 10.00 am  
Venue: Seminar Hall  
Targeted Audience:  
Life Science students

The Departments of Biochemistry and Zoology, in collaboration with the Placement Cell of T.K.M. College of Arts and Science, organized an **Academic Orientation Programme** for students of Biochemistry and Zoology on **7<sup>th</sup> February 2024**. Held at the Zoology Laboratory, the event was conducted in association with **Merit Biolabs Pvt Ltd** and **Seto International Training and Consultancy**, aiming to highlight the importance of the **HACCP course** and the career opportunities it offers. **Mrs. Sereena Thaha (Seto International Training and Consultancy)** emphasized how this internationally recognized certification can open doors to high-quality, well-paid jobs in India and abroad.





### Orientation Program for Life Science Students

The event also featured an engaging **interactive session**, where students posed their queries to the resource persons. This open dialogue helped clarify various aspects of the training and career opportunities discussed.

This orientation programme successfully provided students with a comprehensive understanding of career prospects in life sciences, inspiring them to strive for excellence and make informed decisions for their future endeavors.

### JOB ORIENTATION PROGRAMME ON “INTRODUCTION TO PATENTS AND CAREER OPPORTUNITIES”

The “Job Orientation Programme on Introduction to Patents and Career Opportunities” was organized on the 31st of July 2023, 12.00 PM at the Multimedia Lab of T.K.M. College of Arts and Science in Kollam, Kerala, India. The event was organized by the Department of Biochemistry in collaboration with the Career Guidance Training and Placement Cell.

The Controller General of Patents, Designs, and Trade Marks (CGPDTM) has recently announced the CGPDTM Patent Examiner Recruitment 2023, offering a remarkable opportunity to recruit 553 Patents & Designs Examiners. Recognizing the significance of this opportunity, the Department of Biochemistry, in collaboration with the Career Guidance Training and Placement Cell of T.K.M College of Arts and Sciences, organized a Job Orientation Programme to empower prospective candidates to make the most of this exceptional career opportunity. The program was specifically designed to assist Biochemistry, Chemistry, and Physics postgraduate students in their preparation for the CGPDTM Patent Examiner Recruitment.




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**JOB ORIENTATION  
PROGRAMME ON  
"INTRODUCTION TO PATENTS  
AND CAREER OPPORTUNITIES"**

Organised by **Department of Biochemistry**  
in association with  
**Career Guidance Training & Placement Cell,**

**Date: 31 st July 2023**

**Time: 12.00 pm**

via **GOOGLE MEET**

Talk by  
**SMT. PARVATHY S,**  
**ASSISTANT CONTROLLER OF  
PATENTS AND DESIGN,  
INDIAN PATENT OFFICE,  
KOLKATA.**




**Registration Link:**

<https://forms.gle/TUnFkU3Usdggmup38>

**Google Meet Link:**

<https://meet.google.com/ahm-rqwy-teo>

**ORGANIZING COMMITTEE**

**Dr. Latha.B, HoD, Department of Biochemistry**  
**Smt. Ajinza. A, Programme Co-ordinator**  
**Smt. Soumya. S, Department of Biochemistry**  
**Dr. Ansil.P. N, Department of Biochemistry**  
**Dr. Sumayya. A.S, Department of Biochemistry**  
**Dr. Harisankar. H. S, Department of Biochemistry**  
**Dr. Jeena R, Co-ordinator, Career Guidance Training & Placement Cell**

**Welcome note:**

**SMT. AJINZA A**

Assistant Professor, Dept  
of Biochemistry

**Presidential Address:**

**DR. CHITHRA GOPINATH,**  
Principal, T.K.M. College of Arts  
and Science.

**Inaugural Address:**

**SMT. PARVATHY S**

**Felicitation:**

**DR. LATHA. B,**  
Head, Department of Biochemistry

**Vote of Thanks:**


**DR. JEENA R,**  
Co-ordinator, Career Guidance  
& Placement Cell, TKMCAS

# NATIONAL SCIENCE DAY OBSERVANCE


## MOVING TOWARDS A KNOWLEDGE SOCIETY

CHANGING PARADIGMS IN KNOWLEDGE  
MANAGEMENT, SCIENCE EDUCATION, RESEARCH  
AND ASSOCIATED CAREER PROSPECTS

**FRIDAY**  
10.00 AM  
**1 MARCH 2024**



**SPEAKER**  
**Dr. JOSHY JOSEPH**  
PRINCIPAL SCIENTIST  
NIIST, TRIVANDRUM



**VENUE**

SEMINAR HALL  
**TKM COLLEGE OF ARTS  
AND SCIENCE, KOLLAM.**

## TKM COLLEGE OF ARTS AND SCIENCE, KOLLAM

### MOVING TOWARDS A KNOWLEDGE SOCIETY

WELCOME	<b>Dr. S. Anas</b> <small>(Asst. Professor &amp; HoD, Department of Chemistry, TKMCAS)</small>
PRESIDENTIAL ADDRESS	<b>Dr. Chithra Gopinath</b> <small>(Principal, TKMCAS)</small>
INAUGURATION, TOPIC PRESENTATION & AWARD DISTRIBUTION	<b>Dr. Joshy Joseph</b> <small>(PRINCIPAL SCIENTIST, NIIST, TRIVANDRUM)</small>
FELICITATION	<b>Dr. Sumalekshmy. S</b> <small>(Asst. Professor &amp; IQAC Coordinator, TKMCAS)</small>
VOTE OF THANKS	<b>Dr. Siyad. M. A</b> <small>(Asst. Professor, TKMCAS)</small>
ORGANIZING COMMITTEE	<b>Mrs. Sherifa Rahim</b> <b>Dr. Abdul Rahim. M. K.</b> <b>Dr. Tharun. A. Rauf</b> <b>Dr. Simimole. H.</b> <b>Dr. Divesh Kumar. K. V.</b> <b>Mrs. Irfana</b> <b>Mrs. Vrinda Raj</b>



### **Career guidance moving towards knowledge society**

On March 01 2024, Dr. Joshy Joseph, Principal Scientist and Associate Professor at NIIST, Trivandrum delivered an insightful seminar to college students on the topic of “Science Education and Career Advancement”. The event, organized by the Dept. of Chemistry aimed to provide students with a comprehensive understanding of how science education can shape their future career paths and the various strategies they can employ to succeed in a competitive job market.

### **INTERNATIONAL CONCLAVE ON US TAX CAREERS**

Initial meeting with ASAP Kerala by the faculties of Department of Commerce on 9<sup>th</sup> February, 2024 for organizing the event



## Best Practice I

In continuation of the visit of the Honourable Chief Minister of Kerala to the US in June 2023, during which he engaged with leaders of industry in the fields of finance and taxation, TKM Group of Institutions and Additional Skill Acquisition Programme, Kerala (ASAP, Kerala), a Government of Kerala Company under the Department of Higher Education, were jointly organized an International Industry-Academia Conclave on opportunities in US Taxation. The Conclave was held on 17th February 2024. This program was chaired by Dr. Usha Titus IAS (Retd), Chairperson & Managing Director, ASAP Kerala.





Valedictory Function at TKM College of Arts and Science



Student interaction with representatives from top US accounting firms such as H&R Block, KPMG, Ernst & Young, GR8 Affinity, Nexdigm, and GT

CAREER GUIDANCE SESSIONS CONDUCTED WITH MOU PARTNERS -LOGIC SCHOOL OF MANAGEMENT AND ISDC



## IMPLEMENTATION OF DIGICOL (GOK INITIATIVE)

1/9/25, 11:29 PM

Course: PHYSICS IN ARTS AND SPORTS

### PHYSICS IN ARTS AND SPORTS

[Dashboard](#) / [Courses](#) / [FYUGP Physics](#) / [SEM1](#) / [UK1MDCPHY103](#)

#### Course Overview

##### Course Teachers

- 1. Teacher1 : Mohammed Salim. M
- 2. Teacher2: Aparna L R



[Announcements](#)

[Test1](#)

#### Notice Board

[Syllabus](#)

[https://www.duk.ac.in/digital\\_tkm/course/view.php?id=54](https://www.duk.ac.in/digital_tkm/course/view.php?id=54)

1/2

1/9/25, 11:29 PM

Course: PHYSICS IN ARTS AND SPORTS

Mark as done

INTRODUCTION

PHYSICS OF PAINTING & PHOTOGRAPHY

PHYSICS OF MUSIC

PHYSICS IN SPORTS – I

Watch this Video

Mark as done



Units

Mark as done



Physics in Sports: part 1

Mark as done

PHYSICS IN SPORTS – II

You are logged in as admin admin (Log out)

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## EVIDENCE OF SUCCESS

1. The details of Faculty Training Programmes organized by IQAC are given below:

Year	No. of programmes
2019-20	14
2020-21	10
2021-22	04
2022-23	05
2023-24	07

2. College is one among ten institutions shortlisted for Let's Go Digital DigiCol initiative of the Government of Kerala. Under this scheme, the college can avail MOODLE server space and LMS sponsored by the government.
3. The number of certificate courses offered by various departments have risen progressively in the last five years. The details are given below:

Year	No. of certificate courses
2018-19	14
2019-20	26
2020-21	32
2021-22	33
2022-23	30
2023-24	29

4. The college has registered for G-Suite account and user IDs created for all faculty members and students. Every faculty member has a dedicated online platform (Google Classroom, Moodle, College LMS account) for sharing study materials, PowerPoint presentations and video lectures with students.

## Best Practice I

- The student community uses NList services provided by the college library to access resources for preparation of assignments, projects.

### Problems Encountered and Resources Needed

Sl No.	Problems Encountered	Resources Needed
1	Hesitation among students to adopt a blended learning system	Teachers organized informal online sessions to familiarize the students with various online educational resources; peer assisted learning was also encouraged.  Resources needed: 100 percent digital access for all students
2	Digital literacy among teaching and non-teaching staff	Technical assistance from support staff
3	Teachers find it difficult to attend Faculty Empowerment Strategies due to the hectic CBCS academic calendar	Schedule to ensure all faculty members get equal opportunities to attend seminars/workshops/Faculty Development Programmes on a rotation basis





Web: [www.tkmcas.ac.in](http://www.tkmcas.ac.in) | Email: [tkmarts@gmail.com](mailto:tkmarts@gmail.com)

