



JAMAL MOHAMED COLLEGE (Autonomous)

College with Potential for Excellence
Accredited (3rd Cycle) with 'A' Grade by NAAC
DBT Star Scheme & DST-FIST Funded
(Affiliated to Bharathidasan University)
TIRUCHIRAPPALLI – 620 020.



PG & RESEARCH DEPARTMENT OF PHYSICS

NOTIFICATION

Date: 13.05.2020

We are very happy to inform and invite you for a **Faculty Development Programme on C and C++** organized by PG and Research Department of Physics (Under DBT Star College Scheme), Jamal Mohamed College (Autonomous) in association with Spoken Tutorial, IIT Bombay.

Spoken Tutorial is an initiative of National Mission on Education through ICT, launched by the Ministry of Human Resource Development, Government of India, to promote IT literacy through Open Source Software. If you have interest to take benefits from this Faculty Development Programme, do **registration** through the following link **(Give alternate Email ID if you have registered other FDP under Spoken Tutorial, IIT Bombay).**

Registration link

https://docs.google.com/forms/d/e/1FAIpQLSfCcz6f12kwUrXXaFs-Ja4E_S1HMtyFB2VTwZ2ZslkLG8bgyQ/viewform?usp=pp_url

Important Dates

- **Course Duration** : 27-05-2020 to 30-05-2020
- **Last Date for Registration** : 21-05-2020 upto 10 AM

Salient Features

- **No Registration Fee**
- **No Live Session**
- **No Online Assessment Test**
- **E-Certificate will be issued to all participants from Spoken Tutorial, IIT Bombay.**
- **Participants can access the link for C and C++ videos at any time during this FDP programme.**

Target Participants

- Staff members from Physics, Mathematics, Chemistry and other interested learners from other disciplines.

Study Material Link: <https://spoken-tutorial.org/cdcontent/>

Contact Persons : 9442703417/ 9443836947/944359049 / 9443532316

It is mandatory to Download **Telegram app** from Play store and join the group using the link <https://t.me/joinchat/AAAAAFg4pHLgronAKHf0LQ>

Note: All are asked to refer the study material when you are free and follow the above links.

With regards,

Dr. M. Jamal Mohamed Jaffar
HOD of Physics



Spoken Tutorial

Certificate of Participation

This is to certify that **SORNAMBAL M** participated in the **C and Cpp** training organized at **Jamal Mohamed College (Autonomous)** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **C and Cpp** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

May 27th 2020

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay



Spoken Tutorial

Certificate of Participation

This is to certify that **GOBI G** participated in the **C and Cpp** training organized at **Jamal Mohamed College (Autonomous)** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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May 27th 2020

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay



Spoken Tutorial

Certificate of Participation

This is to certify that **KUMANAN K** participated in the **C and Cpp** training organized at **Jamal Mohamed College (Autonomous)** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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May 27th 2020

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay



Spoken Tutorial

Certificate of Participation

This is to certify that **ANTONY LAWRENCE A** participated in the **C and Cpp** training organized at **Jamal Mohamed College (Autonomous)** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **C and Cpp** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

May 27th 2020

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay

OUTCOME

- ❖ **Faculty members learnt some basics of programming using C & C++ and application to scientific computations**

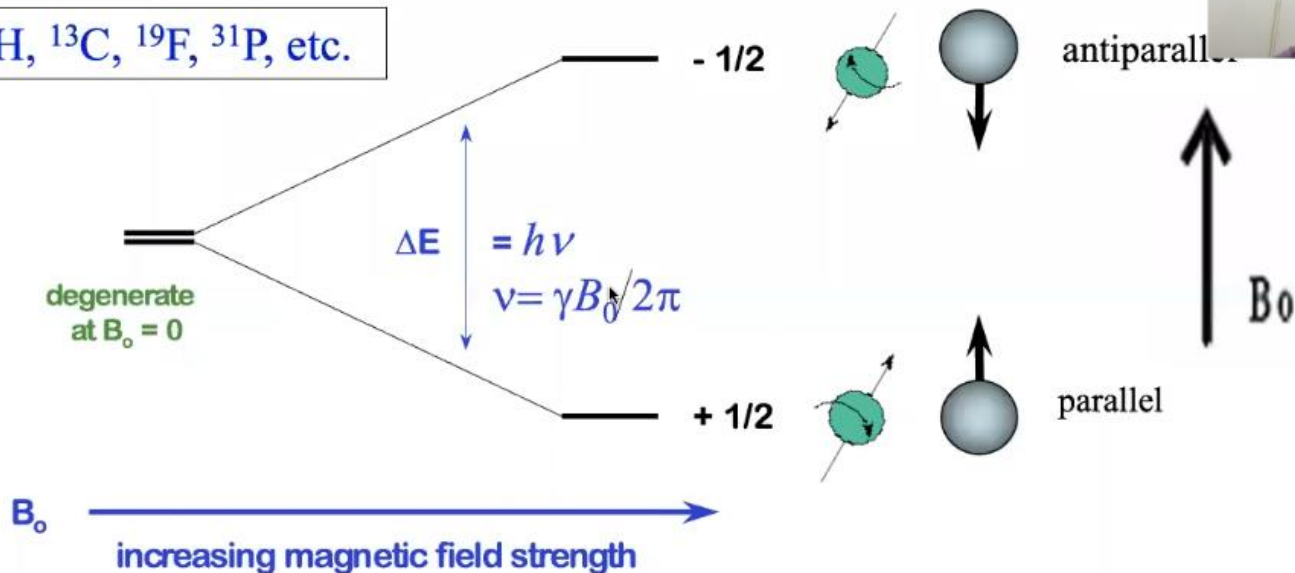
Online Faculty Development Programme on Spectroscopic Techniques

Course Duration	 <p>JAMAL MOHAMED COLLEGE (Autonomous) College with Potential for Excellence Accredited (3rd cycle) with 'A' Grade by NAAC DBT Star Scheme & DST-FIST Funded (Affiliated to Bharathidasan University) TIRUCHIRAPPALLI-620020 PG AND RESEARCH DEPARTMENT OF PHYSICS Organizes</p> 	Who can attend?
03-08-2020 to 05-08-2020		• Staff members from Physics, Chemistry Botany and Zoology
Time 4.00 – 5.00 pm	“ONLINE FACULTY DEVELOPMENT PROGRAMME ON SPECTROSCOPIC TECHNIQUES”	
Last Date for Registration 02-08-2020 Upto 10.00 am	(Under DBT Star College Scheme) Date: 03-08-2020 to 05-08-2020 Time : 4.00 - 5.00 pm	Contact Persons Dr. M. Jamal Mohamed Jaffar Head of the Department +91 9442703417
Salient Features <ul style="list-style-type: none">• No Registration Fee• E-Certificate will be issued to all registered participants	Resource Persons Date : 03-08-2020 Topic :Structural Characterization using one and two-dimensional NMR Spectroscopy  Dr. R. RANJITH KUMAR Assistant Professor Department of Organic Chemistry School of Chemistry Madurai Kamaraj University, Madurai	Dr. A. Ishaq Ahamed Department Coordinator DBT Star College Scheme + 91 9443590489
Note <ul style="list-style-type: none">• The meeting will be held through ZOOM app and link will be sent to your registered email ID.	Date : 04-08-2020 Topic : Plasmon – Assisted Raman Spectroscopy  Dr. P. TAMILARASAN Scientist & Assistant Professor (AcSIR) Electronics and Electrocatalysis Division (EEC) CSIR-Central Electrochemical Research Institute Karaikudi	Dr. S. Shek Dhavud Asst. Dept. Coordinator DBT Star College Scheme +91 9443532316
• Feedback link will be posted on the chat box at the end of each session.	Date : 05-08-2020 Topic : Material Characterization at Molecular Level using Molecular Spectroscopy with Computational Tools  Dr. S. RAMALINGAM Assistant Professor of Physics A.V.C. College (Autonomous) Mayiladuthurai	
	Registration Link https://forms.gle/4WCAKNXwra1JXpRM7	

Allowed Energy States for a Spin 1/2 Nucleus

THE ENERGY SEPARATION DEPENDS ON B_0

^1H , ^{13}C , ^{19}F , ^{31}P , etc.



Gyromagnetic ratio, γ , is a constant for each nucleus

Dr. R. RANJITH KUMAR, Assistant Professor, Department of Organic Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai delivering a special lecture on **Structural Characterization using one and two-dimensional NMR Spectroscopy** through Zoom platform on 03-08-2020.

Raman spectroscopy

A molecular rovibronic spectroscopy - Prof. C. V. Raman in 1928.

Second order process - light first creates the dipole and then interacts with it !



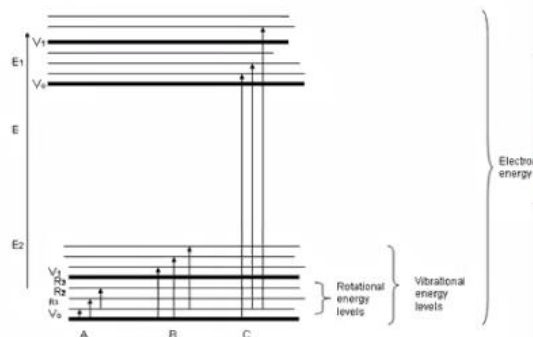
Condition: Net change in polarizability ($d\alpha/dQ$) – an induced dipole moment (But IRS requires net change in dipole moment (dp/dQ)) – radiation from oscillating electric dipole

$$p=qd$$

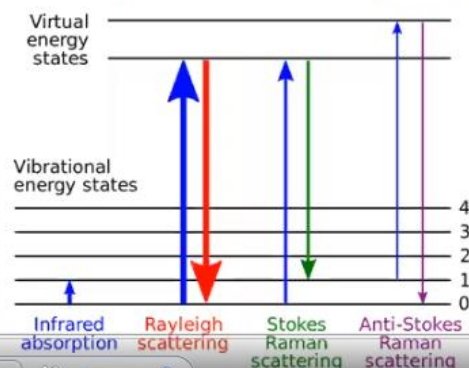
$$\mu = \alpha E$$

Polarizability
(an intrinsic quantity)

Electric field



Probability of Raman scattering: $10^{-4} - 10^{-8}$



$\Delta n = \pm 1...$

04-08-2020

10:41



2

Dr. P. TAMILARASAN, Scientist & Assistant Professor (AcSIR), Electronics and Electrocatalysis Division (EEC), CSIR-Central Electrochemical Research Institute, Karaikudi delivering a special lecture **on Plasmon – Assisted Raman Spectroscopy** through Zoom platform on 04-08-2020.



Non-Conventional usage of two Spectroscopy

- Advancement of Mutual exclusion principle
- Molecular orbital theory

Analysis and Findings

- Atomic and molecular association.
- Fragment addition and activeness of fragment in work field(drug& material behavior).
- Ligand identification and recognize the activity of subgroups.
- Substitutional group characterization.
- Optimized substitution .
- Passive and active substitutions prediction.

Active/Passive
Substitutional group

Dr. S. RAMALINGAM, Assistant Professor of Physics, A.V.C. College (Autonomous) Mayiladuthurai delivering a special lecture **on Material Characterization at Molecular Level using Molecular Spectroscopy with Computational Tools** through Zoom platform on 05-08-2020.

OUTCOME

- ❖ **Faculty members acquired a knowledge of Raman and NMR spectroscopy and the functioning of these spectrometers**

**Online Faculty Development Programme on Teaching, Learning and Evaluation
in the Digital Era**



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TIRUCHIRAPPALLI-620020

PG AND RESEARCH DEPARTMENT OF PHYSICS

Organizes



Department of
Biotechnology
Govt. of India

Course Duration

17-08-2020

to

19-08-2020

Time

4.00 – 5.00 pm

**Last Date for
Registration**

16-08-2020

Upto 10.00 am

Salient Features

- No Registration Fee
- E-Certificate will be issued to all registered participants

Note

- The meeting will be held through **ZOOM platform** and link will be sent to your email ID.

- Feedback link will be posted on the chatbox at the end of each session.



Date : 17-08-2020

**Topic : Learning from Home:
Techno-Pedagogical Perspectives**

Dr. S. SENTHILNATHAN

Director (FAC)

Human Resource Development Centre
Professor, Department of Educational Technology
Bharathidasan University, Tiruchirappalli



Date : 18-08-2020

Topic : Web Tools for Online Teaching

Dr. R. RAMNATH

Assistant Professor
Department of Education
Alagappa University, Karaikudi



Date : 19-08-2020

Topic : Online Assessment Tools

Dr. P. MUTHUPANDI

Assistant Professor
Department of Education (DDE)
Madurai Kamaraj University, Madurai

Contact Persons

Dr. M. Jamal Mohamed
Jaffar

Head of the Department
+91 9442703417

Dr. A. Ishaq Ahamed
Department Coordinator
DBT Star College Scheme
+ 91 9443590489

Dr. S. Shek Dhavud
Asst. Dept. Coordinator
DBT Star College Scheme
+91 9443532316



Registration Link

<https://forms.gle/tfRjiBeDUHKBpHcW9>



Learning from Home: Techno-Pedagogical Perspectives



Dr. S. SENTHILNATHAN
Director, UGC-HRDC
BHARATHIDASAN UNIVERSITY



ज्ञान - विज्ञानं विमुक्तये

Dr. S. SENTHILNATHAN, Director (FAC), Human Resource Development Centre, Professor, Department of Educational Technology, Bharathidasan University, Tiruchirappalli delivering a special lecture **on Learning from Home: Techno-Pedagogical Perspectives** through Zoom platform on 17-08-2020.

Web Tools 2.0

[Teaching, Learning & Assessment]



Dr.R.RAMNATH
Department of Education
Alagappa University

Kaaikudi 18:28



Dr. R. RAMNATH, Assistant Professor, Department of Education, Alagappa University, Karaikudi delivering a special lecture **on Web Tools for Online Teaching** through Zoom platform on 18-08-2020.

Why Technology Enabled Teaching?

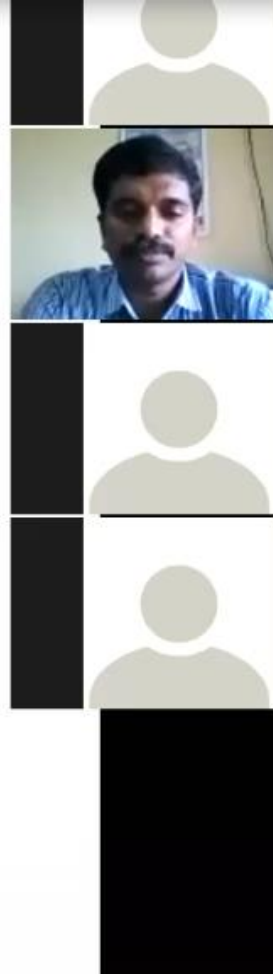


- **New Generation of Learners**
- **New Learning Environments**
- **New Learning Media**
- **Hence,**
 - **New Generation of Teachers**
 - **New Methodologies and Strategies**
 - **New mode of assessment**

Dr. P. MUTHUPANDI, Assistant Professor, Department of Education (DDE), Madurai Kamaraj University, Madurai delivering a special lecture **on Online Tools for Assessment** through Zoom platform on 19-08-2020.

OUTCOME

- ❖ **The indispensable role of ICT enabled tools for teaching and research as well as the all-pervasive internet was explained**



A Three Day Online Faculty Development Programme on Condensed Matter Physics



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TIRUCHIRAPPALLI-620020
PG AND RESEARCH DEPARTMENT OF PHYSICS
Organizes

"A THREE DAY ONLINE FACULTY DEVELOPMENT PROGRAMME ON CONDENSED MATTER PHYSICS"

(Under DBT Star College Scheme)

Duration: 19-10-2020 to 21-10-2020 Time : 4.00 - 5.00 pm

Resource Persons



Date : 19-10-2020

**Topic : Impact of Nanomaterials in Laser
Technologies**

Dr. T.C. SABARI GIRISUN

**Assistant Professor
School of Physics
Bharathidasan University
Tiruchirappalli**



Date : 20-10-2020

Topic : Organic Electronic Devices

Dr. K. SETHURAMAN

**Associate Professor
Department of Materials Science
School of Technology
Central University of Tamilnadu
Thiruvavur**



Date : 21-10-2020

**Topic : Smart Materials and their
Applications**

Dr. S. BEER MOHAMED

**Head
Department of Materials Science
School of Technology
Central University of Tamilnadu
Thiruvavur**

Registration Link

<https://forms.gle/jSyokviFy85itLNT7>

Duration

19-10-2020
to
21-10-2020

Time

4.00 – 5.00 pm

Last Date for Registration

19-10-2020
Upto 10.00 am

Salient Features

- No Registration Fee
- E-Certificate will be issued only to those participants who have attended the programme and submitted the feedback form

Note

- The meeting will be held through **Google Meet** and link will be sent to your registered email ID.
- Feedback link will be posted on the chat box at the end of each session.

Contact Persons

Dr. M. Jamal Mohamed
Jaffar
Head of the Department
+91 9442703417

Dr. A. Ishaq Ahamed
Department Coordinator
DBT Star College Scheme
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Dr. S. Shek Dhavud
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Google Meet

Live streaming - YouTube Studio x Meet - A Three Day Online F x

meet.google.com/kwr-odgm-zbz

Dr T C Sabari Girisun Dept. of Physics is presenting

Rethika Harikris... and 24 more

4:18 PM

36

Dr T C Sabari Girisu...

S Shek Dhavud

Karthikeyan B

bagyalakshmi priya

soundararajan sound

Susmitha Kalvapalli

Sahaya Dennish Ba...

M. Saravana Kumar

Umar Malik

Plan of Talk

- Why is Small a Big Deal?
- Unique Properties at Nano Scale
- Lasers and Era of Nonlinear Optics
- Unexplored Domains of Optics
 - Frequency Doublers
 - Optical Limiters
- Graphene : The Future

What changes its state from liquid to solid at a very high temperature? - Idly

Dr. T.C. SABARI GIRISUN, Assistant Professor, School of Physics, Bharathidasan University, Tiruchirappalli delivering a special lecture **on Impact of Nanomaterials in Laser Technologies** through Google Meet platform on 19-10-2020.

The image shows a Google Meet interface. On the left, a presentation slide is displayed with the following text:

Organic Semiconductors

Semiconductors based on organic molecular components are mainly composed of hydrogen, carbon, and oxygen.

Unlike inorganic semiconductors that are crystalline with band-like charge transport, organic semiconductors are amorphous or polycrystalline in which the charge transport occurs through hopping of charges between delocalized π molecular orbitals.

On the right side of the screen, a grid of participant avatars is visible. The top-left avatar is a video feed of the presenter, Sethu Raman. Other participants include chandra sekar, shahida K M, sogala priyanka, Susmitha Kalvapalli, Jayanthi S, Shinto Kuriyan, and Rethika Harikrishnan. The top of the screen shows the meeting URL, the presenter's name, and the time 4:08 PM.

Dr. K. SETHURAMAN, Associate Professor, Department of Materials Science, School of Technology, Central University of Tamilnadu, Thiruvarur delivering a special lecture **on Organic Electronic Devices** through Google Meet platform on 20-10-2020.

The screenshot shows a Google Meet interface. On the left, a presentation slide titled "Magnetostrictive Materials" is displayed. The slide includes the logo of the Central University of Tamil Nadu and lists the following effects:

- Magnetostriction effects:
 - Joule effect:
 - I. Positive magnetostriction: the material undergoes expansion.
 - II. Negative magnetostriction: the material undergoes contraction.
 - Villari Effect: When a mechanical stress is imposed on a sample, there is a change in the magnetic flux density.
 - ΔE -Effect: Magnetostriction causes a change in Young's Modulus as a result of a magnetic field.

On the right side of the screen, a grid of participants is visible, including Syed Mohamed, Umar Malik, saravanan kumar, selvi ranjani, Arjuman Banu S, K. GOMATHI, Krishna Gopal Chau..., Prof AM, and chandra sekar.

Dr. S. BEER MOHAMED, Head, Department of Materials, Science School of Technology, Central University of Tamilnadu, Thiruvarur delivering a special lecture on **Smart Materials and their Applications** through Google Meet platform on 21-10-2020.

OUTCOME

- ❖ Faculty members were exposed to the advances in Nano-Science, Thin-Film Technologies and Smart Materials

A Two Day Online Faculty Development Programme on Astrophysics



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Department of Biotechnology
Govt. of India

PG AND RESEARCH DEPARTMENT OF PHYSICS

Organizes

"A TWO DAY ONLINE FACULTY DEVELOPMENT PROGRAMME ON ASTROPHYSICS"

(Under DBT Star College Scheme)

RESOURCE PERSONS

Day 1: 11-11-2020



Mr. BALA BHARATHI
PRINCIPAL
BHARATHI MATRICULATION SCHOOL
TIRUCHIRAPPALLI

TOPIC: JOY OF SKY WATCHING

Day 2: 12-11-2020



Dr. P. SASIKUMAR
SCIENTIST
VIKRAM SARABHAI SPACE CENTRE
ISRO, TRIVANDRUM, KERALA

TOPIC: CHALLENGES IN SPACE TELESCOPES

Important Dates

- ❖ Duration : 11-11-2020 – 12-11-2020
- ❖ Time : 4.00 – 5.00 pm (Day 1) & 5.00 – 6.00 pm (Day 2)
- ❖ Last Date for Registration : 11-11-2020 upto 10 am

Registration link

<https://forms.gle/mRQY1ArxCooJvQkYA>

Salient Features

- ❖ No Registration Fee
- ❖ E-Certificate will be issued only to those participants who have attended the programme and submitted the feedback form

Note

- ❖ The meeting will be held through **Google Meet** and the link will be sent to your registered email ID.
- ❖ Feedback link will be posted on the chat box at the end of each session.

Contact Persons

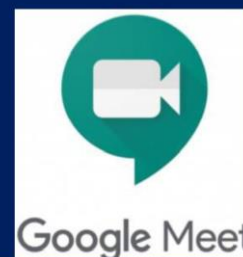
Dr. M. JAMAL MOHAMED JAFFAR
Head of the Department - 9442703417

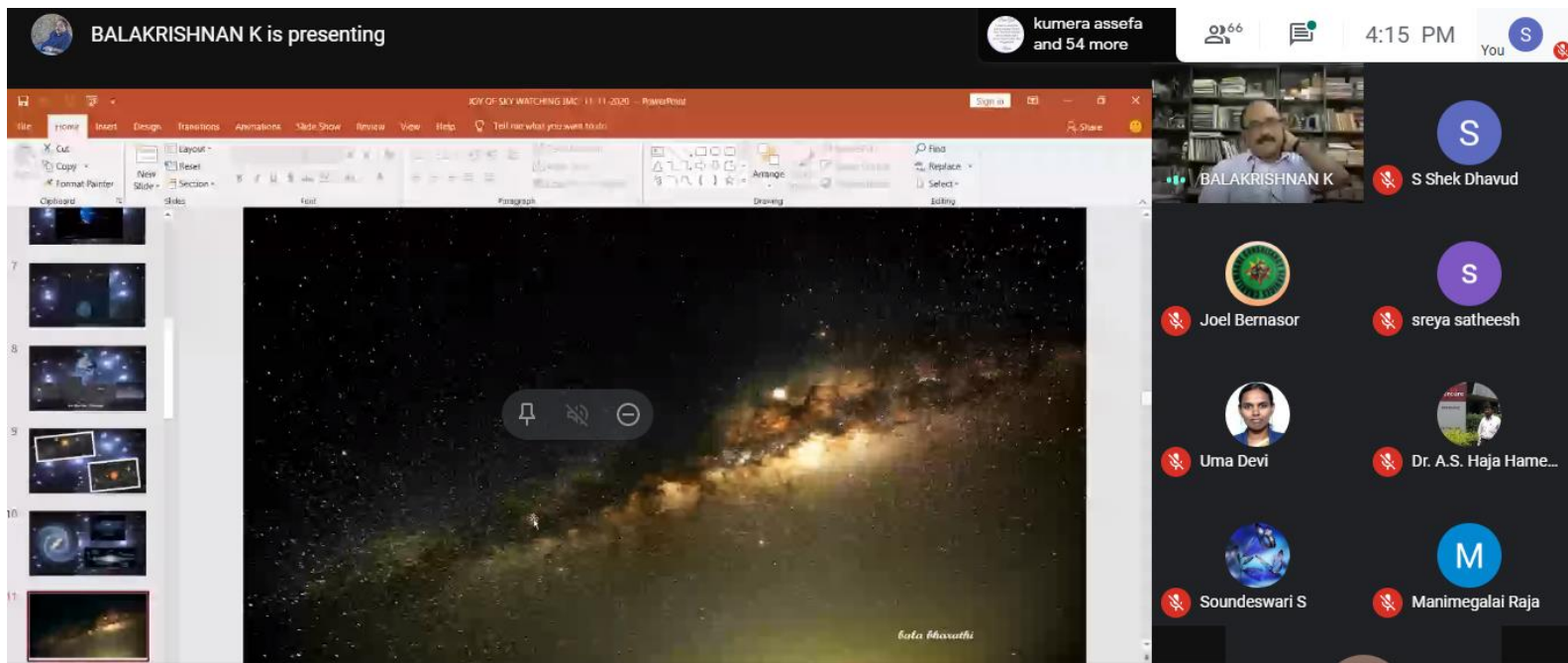
Dr. A. ISHAQ AHAMED

Department Coordinator, DBT Star College Scheme - 9443590489

Dr. S. SHEK DHAVUD

Assistant Department Coordinator, DBT Star College Scheme - 9443532316



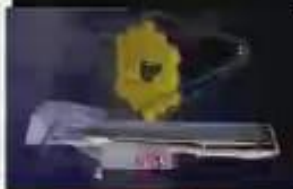
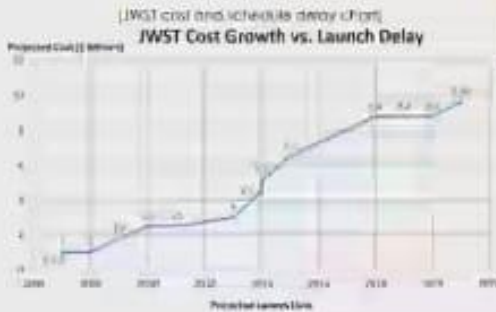


Mr. BALABHARATHI, Principal, Bharathi Matriculation School, Tiruchirappalli delivering a special lecture on **Joy of Sky Watching** through Google Meet platform on 11-11-2020.



- ✓ Obsolete
- ✓ Damage due to debris
- ✓ Launch vehicle Accidents

James Webb Space Telescope



Dr. P. SASIKUMAR, Scientist, Vikram Sarabhai Space Centre, ISRO, Trivandrum delivering a special lecture on **Challenges in Space Telescopes** through Google Meet platform on 12-11-2020.

OUTCOME

- ❖ Faculty members were acquainted with the Joys of Sky Watching and came to know of the challenges in the selection, design, construction and functioning of space telescopes

Online Faculty Development Programme on Condensed Matter Physics



Department of
Biotechnology
Govt. of India

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Tiruchirappalli-620020

PG AND RESEARCH DEPARTMENT OF PHYSICS

&

INTERNAL QUALITY ASSURANCE CELL

jointly organize in collaboration with

INDIAN SPECTROPHYSICS ASSOCIATION (ISPA-CHENNAI) an

**“ONLINE FACULTY DEVELOPMENT PROGRAMME ON CONDENSED MATTER PHYSICS”
(Under DBT Star College Scheme)**

Date: 24-01-2022 to 25-01-2022

Time : 9.30 a.m. - 1.30 p.m.

Resource Persons



Date : 24-01-2022

Session – I: Time : 9.30 – 11.30 a.m.

Inaugural & Keynote Address

Dr. S. GUNASEKARAN

TANSA Awardee

Dean, Research & Development

St. Peter's Institute of Higher Education & Research, Chennai



Date : 24-01-2022

Session – II: Time : 11.30 a.m. – 1.30 p.m.

Topic: Photon Upconversion Nanomaterials and their Bio-Applications

Dr. J. SENTHIL SELVAN

Assistant Professor

Department of Nuclear Physics

University of Madras, Chennai



Date : 25-01-2022

Session – I: Time : 9.30 – 11.30 a.m.

Topic: Oxide Thermoelectric Materials for Energy Harvesting

Dr. M. ARIVANANDHAN

Professor

Centre for Nanoscience and Technology

Anna University, Chennai



Date : 25-01-2022

Session – II: Time : 11.30 a.m. – 1.30 p.m. (VALEDICTION)

Topic: Two Dimensional Nanocomposite Functional Materials for Energy Storage Applications

Prof. R. JAYAVEL

Director

Centre for Nanoscience and Technology

Anna University, Chennai

Lasers vs. SHG vs. Upconversion

Lasers
 Lasing wavelength is longer than the pump wavelength.
 Pump photon generate laser photon by stimulated-emission
 High threshold pump power is required.

Second Harmonic Generation
 Virtual energy state is involved.
 High pump energy required to create high electrical field strength to polarize atoms for frequency conversion.

Upconversion Laser:
 Emission wavelength is shorter than the pump wavelength.
 Upconverted light energy is larger than pump light.
 A different pumping scheme (ESA and ETU).
 Two or more pump photons used to transfer active ion to highly excited level
 Low pump power is sufficient.



Earth Simulator - Simulated Data

Earth Temperature at 1900 Earth Temperature at 2000

Earth Temperature at 2100



Two Dimensional Functional Nanostructures For Energy Storage Applications

R. JAYAVEL
 Professor & Director
 Centre for Nanoscience and Technology
 Anna University, Chennai-600 025, INDIA.



A web capture of the progress of the sessions at the **Online Faculty Development Programme on Condensed Matter Physics** from 24-01-2022 to 25-01-2022 through ZOOM Meeting Platform.

OUTCOME

- ❖ Participants were educated regarding the theory of Upconversion Luminescence, Upconversion Nanomaterials and their applications, particularly in the field of bio-medicine and medical imaging

Online Faculty Development Programme on Astronomical Studies



DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology
Government of India

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Thiruchirappalli – 620020

PG AND RESEARCH DEPARTMENT OF PHYSICS
&
INTERNAL QUALITY ASSURANCE CELL
jointly organize in collaboration with
CHIGURU COLAB (Astrolab – Center for Astronomical Studies)

**“ONLINE FACULTY DEVELOPMENT PROGRAMME ON
ASTRONOMICAL STUDIES”**
(Under DBT Star College Scheme)

Date: 07 & 08th February 2022

Time: 9.00 a.m. – 2.00 p.m.



Resource Persons

Day-1: 07-02-2022

Session – I: Time: 9.00 – 10.00 a.m.
Topic: Decentralizing Astronomical Education

Dr. T.B Dinesh
Director, Servalots, Bangalore



Session – II: Time: 10.00 a.m. – 12.00 Noon
**Topic: Recent Development in Astronomical Studies – Higher
Education Perspective**

Dr. T.V Venkateswaran
Scientist F, Vigyan Prasar, Department of Science and Technology
Government of India



Session – III : 12.00 Noon – 2.00 p.m.
Topic: Career Pathways to Astronomy Education and Research

Dr. Priya Hasan
Assistant Professor, Department of Physics
Maulana Azad National Urdu University
Hyderabad
Co-Chair, Working Group of Women in Astronomy
International Astronomical Union

Day 2: 08-02-2022



Session – I: 9.00 – 10.00 a.m.
Topic: Astronomy for Development
Mr. Ramasamy Venugopal

**Head – Operations, Office of Astronomy for Development
International Astronomical Union**



Session – II: 10.00 a.m. – 12.00 Noon
Topic: Astronomical Data & Technology
Mr. Ramasehsan

**Head – Research & Development, Chiguru Colab
Bangalore**



Session – III: 12.00 Noon – 2.00 p.m
Topic: Introduction to Astrolab
Mr. Surender Ponnalagar
Project Director, Chiguru Colab, Bangalore
National Point of Contact – India,
Space Generation Advisory Council

Salient Features

- ❖ No Registration Fee
- ❖ E-Certificate will be issued for the participants submitting their feedback

Note

- ❖ The meeting will be held through Google Meet and the link will be sent to your registered email ID.
- ❖ Feedback link will be posted on the chat box at the end of each session.

Register Here: <https://forms.gle/Ggj16LYFUVuQ279H9>

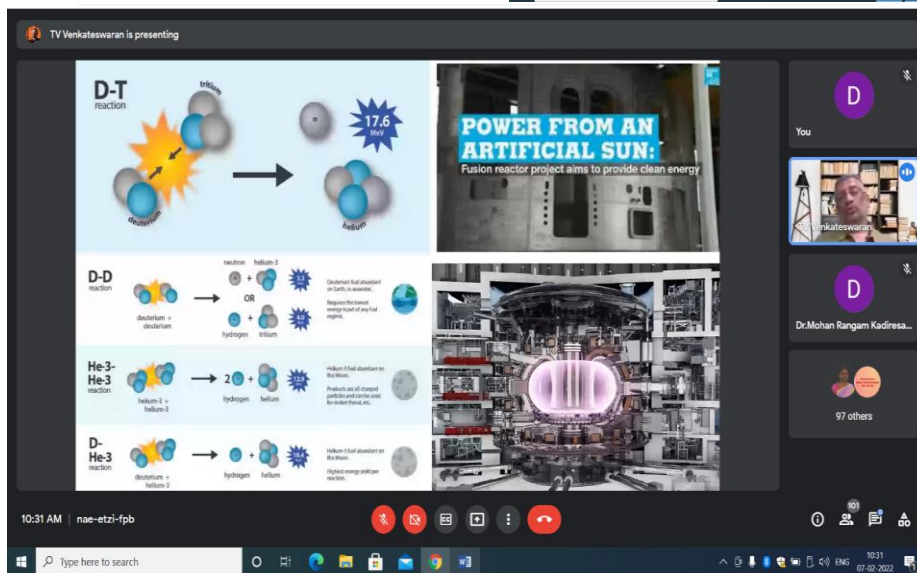
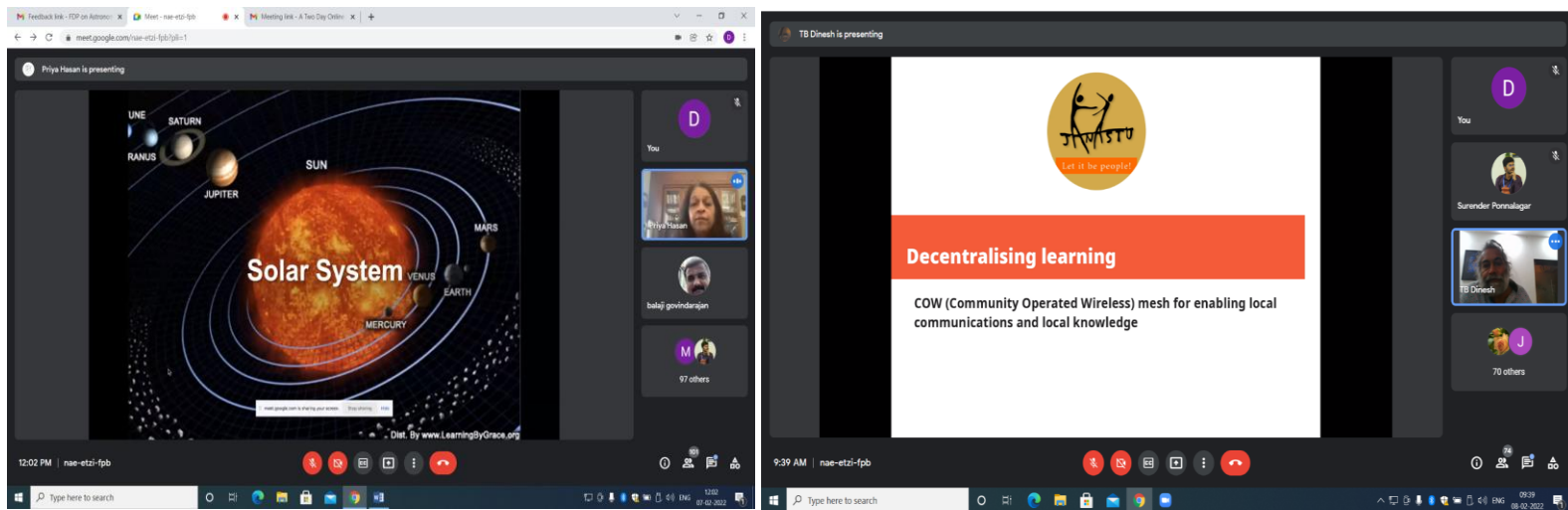
Contact Persons

Dr. M. JAMAL MOHAMED JAFFAR
Head of the Department - 9442703417

Dr. A. ISHAQ AHAMED
Department Coordinator, DBT Star College Scheme - 9443590489



Google Meet



A web capture of the progress of the sessions at the **Online Faculty Development Programme on Astronomical Studies** from 07-02-2022 to 08-02-2022 through Google Meet Platform.

OUTCOME

- ❖ Participants were educated regarding the recent developments in Astronomical studies from the broad perspective of Higher Education in India

Online Faculty Development Programme on Intellectual Property Rights



JAMAL MOHAMED COLLEGE (Autonomous)
College with Potential for Excellence
Accredited (3rd cycle) with 'A' Grade by NAAC
DBT Star College Scheme & DST-FIST Funded
(Affiliated to Bharathidasan University)
Thiruchirappalli – 620020

PG AND RESEARCH DEPARTMENT OF PHYSICS

&

INSTITUTION'S INNOVATION COUNCIL

jointly organize an

“ONLINE FACULTY DEVELOPMENT PROGRAMME ON INTELLECTUAL PROPERTY RIGHTS”
(Under DBT Star College Scheme)

9th February, 2022

Time: 9.30 a.m. – 1.30 p.m.

Resource Persons

Session – I: Time: 9.30 – 11.30 a.m.

Session – II: Time: 11.30 a.m.– 1.30 p.m.



Topic : Nuances of Patent Filing Procedure
Dr. M.S. MARY MANGAIYARKARASI
Consultant – IPR
Bioinnovation Centre
Bangalore



Topic : Promoting Innovative Ideas to IPR
Dr. A. BAKRUDEEN ALI AHMED
Associate Professor
Dean, School of Life Sciences
Centre for Research and Development
PRIST Deemed University
Thanjavur

Salient Features

- ❖ No Registration Fee
- ❖ E-Certificate will be issued for the participants submitting their feedback

Note

- ❖ The meeting will be held through **Google Meet** and the link will be sent to your registered email ID.
- ❖ Feedback link will be posted on the chat box at the end of each session.

Registration link: <https://forms.gle/KeLGVCBALTKhgCwb6>

Contact Persons

Dr. M. JAMAL MOHAMED JAFFAR

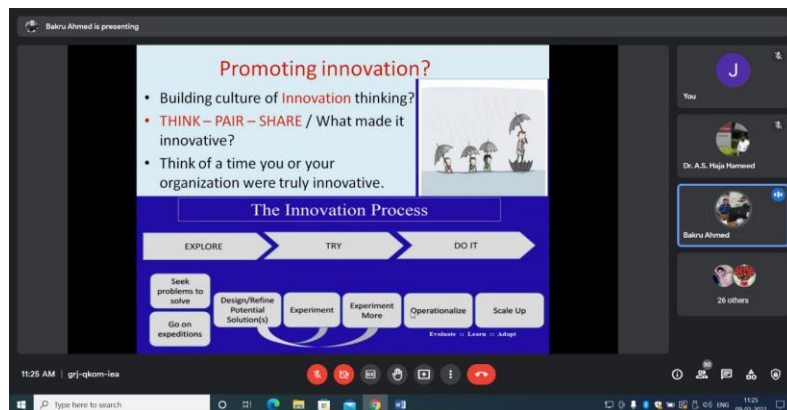
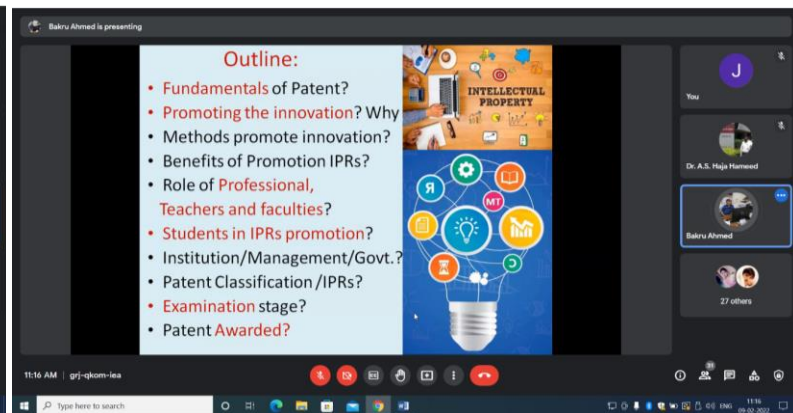
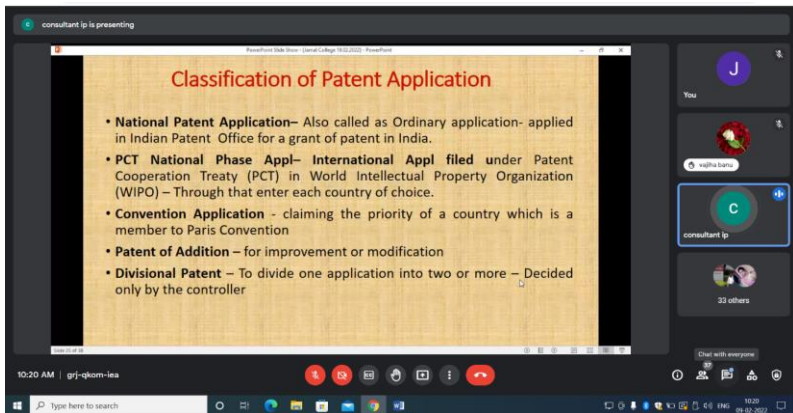
Head of the Department
9442703417

Dr. A. ISHAQ AHAMED

Department Coordinator
DBT Star College Scheme
9443590489



Google Meet



A web capture of the progress of the sessions at the **Online Faculty Development Programme on Intellectual Property Rights** on 09-02-2022 through Google Meet Platform.

OUTCOME

- ❖ Participants were educated regarding Promotion of critical thinking and innovations leading to new ideas, concepts, products and successful patenting



**PG AND RESEARCH DEPARTMENT OF PHYSICS
JAMAL MOHAMED COLLEGE (Autonomous)**

Accredited (3rd Cycle) with 'A' Grade by NAAC
(Affiliated to Bharathidasan University)

Tiruchirappalli – 620020



The Head and staff members of the Department of Physics cordially invite you to an

Interdepartmental Faculty Development Programme on Nanomaterials

(Under DBT Star College Scheme)

Date : 13-02-2023

Time: 11.30 a.m.

Resource Person



Dr. S. BEER MOHAMED

Associate Professor

Department of Materials Science

School of Technology, Central University of Tamil Nadu
Thiruvarur

in the august presence of

Haji M.J. Jamal Mohamed Bilal

President

Haji M.J. Jamal Mohamed

Treasurer

Dr. A.K. Khaja Nazeemudeen

Secretary and Correspondent

Dr. K. Abdus Samad

Assistant Secretary

Dr. K.N. Abdul Kader Nihal

Member & Honorary Director

Dr. M. Jamal Mohamed Jaffar, Head of the Department of Physics
will deliver welcome address and introduce the Resource Person

Dr. S. Ismail Mohideen, Principal

has kindly consented to preside

Dr. A. Mohamed Ibraheem, Vice Principal

Dr. M. Mohamed Sihabudeen, Additional Vice Principal

Dr. K.N. Mohamed Fazil

Director - Hostel Administration

Ms. J. Hajira Fathima

Director – Women Hostel

have kindly consented to felicitate

Dr. A. Ishaq Ahamed

Department Co-ordinator, DBT Star College Scheme

will propose a vote of thanks

Venue : Physics Seminar Hall



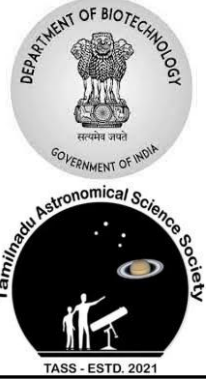
Dr. S. BEER MOHAMED, Associate Professor, Department of Materials Science, School of Technology, Central University of Tamil Nadu, Thiruvavur delivering a special lecture at Faculty Development Programme on Nanomaterials on 13-02-2023.

OUTCOME

- ❖ Participants learnt the overview of nanoscale Physics, nanoscale Chemistry, nanoscale Biotechnology and procedures of the fabrication process as it applies to biological, chemical and electronics manufacturing technologies.



Vainu Bappu Astronomy Club
(Registered under Tamil Nadu Science Forum)
PG AND RESEARCH DEPARTMENT OF PHYSICS
JAMAL MOHAMED COLLEGE (Autonomous)
Accredited (3rd Cycle) with 'A' Grade by NAAC
(Affiliated to Bharathidasan University)
Tiruchirappalli – 620020



The Head and staff members of the Department cordially invite you to an

Interdepartmental Faculty Development Programme on Observational Astronomy
(Under DBT Star College Scheme)

in association with
TAMILNADU ASTRONOMICAL SCIENCE SOCIETY (TASS)

as part of an ongoing MOU with it

Date : 20-02-2023

Time: 11.30 a.m.

Resource Person

Mr. BALA BHARATHI

Founder President, Trichy Astro Club
Principal and Correspondent
Bharathi Matriculation Higher Secondary School
Tiruchirappalli

in the august presence of

Haji M.J. Jamal Mohamed Bilal

President

Haji M.J. Jamal Mohamed

Treasurer

Dr. A.K. Khaja Nazeemudeen

Secretary and Correspondent

Dr. K. Abdus Samad

Assistant Secretary

Dr. K.N. Abdul Kader Nihal

Member & Honorary Director

Dr. M. Jamal Mohamed Jaffar, *Head of the Department of Physics*

will deliver welcome address and introduce the Resource Person

Dr. S. Ismail Mohideen, *Principal*

has kindly consented to preside

Dr. A. Mohamed Ibraheem, *Vice Principal*

Dr. M. Mohamed Sihabudeen, *Additional Vice Principal*

Dr. K.N. Mohamed Fazil

Director - Hostel Administration

Ms. J. Hajira Fathima

Director – Women Hostel

have kindly consented to felicitate

Dr. A. Ishaq Ahamed

Department Co-ordinator, DBT Star College Scheme

will propose a vote of thanks

Venue : Physics Seminar Hall



Mr. BALA BHARATHI, Founder President, Trichy Astro Club, Principal and Correspondent, Bharathi Matriculation Higher Secondary School, Tiruchirappalli delivering a special lecture at Faculty Development Programme on Observational Astronomy on 20-02-2023.

OUTCOME

- ❖ Participants learnt the knowledge of evolution, classification, formation of stars, planets, satellites and practical aspects of modern observational astronomy, structure and population of the Milky Way galaxy, properties of galaxies, stellar classification, and basic information of telescopes.