



AICTE Training and Learning (ATAL) Academy



AICTE sponsored

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals (RAMC FDP - 2025)

15th to 20th
September, 2025

Comprehensive
Report

Organised by:

Department of Chemistry,
Physics & IQAC



GCRJY

GOVERNMENT COLLEGE FOR WOMEN
AUTONOMOUS - NAAC - A+



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RAMC FDP-2025

The AICTE sponsored Six-day Faculty Development Program (FDP), was hosted by Government College Autonomous, Rajahmundry from 15th to 20th September, 2025 in online mode using Microsoft Teams. The program themed “Rare Earths, Advanced Materials, and Critical Minerals RAMC FDP 2025” conducted in the evenings from 6pm to 9pm was jointly organised by the departments of Chemistry, Physics and IQAC of Government College Autonomous, Rajahmundry.

This AICTE – ATAL sponsored FDP was made available to engineering and science faculty, industry professionals, and post graduate students across the country. 260 participants were approved to participate in the FDP. The AICTE, New Delhi was very generous in granting permission to conduct this FDP in a degree college which otherwise is a domain of technical institutions. It also sanctioned an amount of Rs. One lakh for the smooth conduct of the program. Thirteen eminent resource persons, three of whom are from abroad, shared their in-depth knowledge to the participants.

RAMC FDP – 2025 Organising Committee

Director



Dr. Ramachandra R K MSc PhD
Principal, GCRJY



Dr. P. Surekha
Lecturer in Chemistry

Coordinators



Dr. D. Sanjeev Kumar
Lecturer in Physics



Sri T. Srinivasa Rao
HOD, Chemistry

Convenors



Dr. Ch. Komala Lakshmi
HOD, Physics

Co-Convenor



Sri B. Venkata Rao
Lecturer in Chemistry

and faculty of Chemistry & Physics
GC(A), RJY

A watercolor illustration of various flowers and leaves in shades of brown, tan, and blue, arranged vertically on the left side of the page. The flowers include peonies and smaller blossoms with detailed petals and stems. The background is a light, textured surface.

Flyer, Brochure & Schedule

WHO CAN PARTICIPATE

All Faculty members of AICTE approved Institutions, Research Scholars, PG scholars, participants from Government, Industry (Bureaucrats/Technicians etc.) and staff of host institutions.

GUIDELINES

- Course and certificate and references for filling FDP Proposal form. Program will be in online. Registration must be done only through AICTE/ATAL academy. The interested members must visit <https://www.aicte-india.org/atal>, register themselves by providing all their personal and student/ employment details. This procedure requires uploading of colour photo, Signature, ID Card (for students), and Consent letter (for employees) from their employers in JPEG format.
- A test will be conducted by the coordinators at the end of the program.
- Registration is online through AIAL portal
- A maximum of 200 participants will be enrolled.

REGISTRATION LINK

For registration, please follow the link of AICTE as below and select the thrust area Engineering and Management and the FDP Title "Rare Earths, Advanced Materials & Critical Minerals (RAMC FDP-2025)"

Application No. 1748599535

No Registration Fee

<https://atalacademy.aicte-india.org/signup>

CERTIFICATE

Certificate will be provided by ATAL Academy after successful completion of FDP. Minimum 80% attendance and 70% marks in assessment conducted at the end of the program are required to earn the certificate.



Dr. P. Surekha
Lecturer in Chemistry FDP-Coordinator
Cell : 8328120730
mail : psurekha@gctjy.ac.in



Dr. D. Sanjeev Kumar
Lecturer in Physics FDP Co-Coordinator
Cell : 9492180502
mail : dsanjeev@gctjy.ac.in

Whatsapp Group Line :

<https://chat.whatsapp.com/lyr3JUNtld80rPCANclep>



Dr. Ch. Komala Lakshmi
HOD of Physics - Convener



Mr. T. Srinivasa Rao
HOD of Chemistry - Convener



Dr. A. Annapurna
IQAC - Coordinator



Dr. A. Rajeswari
Academic - Coordinator

Advisory Committee :

- Dr. Ch. Komala Lakshmi**
HOD of Physics - Convener
- Mr. T. Srinivasa Rao**
HOD of Chemistry - Convener
- Dr. A. Annapurna**
IQAC - Coordinator
- Dr. A. Rajeswari**
Academic - Coordinator

5. All HoD's

Department of Physics:

- Dr. Esub Dasaha Shaik
- Smt. B. Durga Lakshmi
- Mr. K. Venkateswara Rao
- Mr. G. Srinivasa Rao
- Mr. Y. Ramu
- Dr. H. Sudhakara Rao
- Dr. B. Harihar Reddy
- Dr. B. Govindulu
- Mr. V. Srinivasa Rao
- Dr. M.R.E. Nandakara Rao
- Dr. K. Bharathi
- Dr. K. Sureth
- Mr. J. Niranjan Rao
- Smt. P. Padmavathi
- Dr. B. Lakshmana Rao
- Dr. Ch. Shrinivas
- Dr. P. SSSN Reddy
- Mr. B. Raja Sekhar
- Mr. N. Venkanna Babu
- Mr. B. Praveen Rao
- Smt. G. Padma

Organizing Committee:

- Sri J. Vasudeva Rao
- Sri B. Venkateswara Rao
- Sri V. Sridhar
- Sri P. Shiva Kumar
- Dr. T. Narasimha Murthy
- Dr. B. Mallikarjuna
- Dr. V. Durga Praveena
- Dr. G. Tejovani
- Dr. M. Tejalakshmi
- Dr. M. Tejalakshmi
- Sri M. Sudhakara Rao
- Sri U. Sai Krishna
- Dr. M. Santika kumari
- Dr. L. Rajeswari
- Dr. V. Sathyanarayana
- Dr. P. Murali Krishna
- Dr. Ch. Rajani
- Dr. N. Babu Nimala
- Dr. J. Suresh
- Smt. J. Sashitha
- Dr. E. SRS Sarma
- Smt. N. Bhargavi
- Dr. P. Sanyasree
- Sri K.V.V. Rangia Rao
- Smt. A. Sravani Raimam
- Smt. S. Sangeeta Prasad.
- Dr. J. Srinivasa Prasad.
- Ch. Shiva Krishna

TOPICS TO BE COVERED :

- Applications of Advanced material in cutting edge technologies 2. Spin orbital pumping in graph in multi layers
- Sustainability aspects in processing of Advanced materials
- Materials for advanced research ,
- Nano materials properties and applications
- Critical mineral processing from quarry mines to semiconductor grade SiO_2
- Soft materials for functional applications
- Green energy from Green materials
- Advanced materials for energy applications
- Advanced magnetic materials for water splitting applications
- Innovations in semiconductors from the lab 2 industry
- Advanced materials and its applications
- Organic photo wall types for indoor applications
- Colorimetric and flora matrix cyanide sensors

RESOURCE PERSON

Prof. Paul Douglas Sanasi
Department of Engineering Chemistry
Andhra University - Visakhapatnam

Prof. Rengaraj Selvaraj
Department of Chemistry
College of Science Sultan Qaboos University, Muscat

Dr. Halubai Sekhar
Associate Professor, Kumamoto University Japan

Dr. Sugali Pavan Kumar Naik
Research and Development Manager
Fumitec Corporation Japan

Prof. Ramachandra R. K., M.Sc., Ph.D.,
Principal
UGC Raman PDF (USA)
State Best Teacher Awardee-2018
Government College (A), Rajahmundry

Prof. Dr. B. Jagan Mohan Reddy
Professor of Chemistry
Adikavi Nannaya University, Rajahmundry

Giribabu Lingamallu FNA Sc
Department of Polymers & Functional Materials
CSIR-Indian Institute of Chemical Technology, Hyderabad

Dr. Ing V. V. S. Srikanth
Associate professor
School of Engineering Sciences and Technology
University of Hyderabad

Dr. Ravi Kumar Pujala
Associate Professor of Physics
ISER Tirupathi

Bheemalingam Chittari
Department of Physical Sciences, ISER Kolkata

Dr. Ajit Bohera
Assistant Professor
Department of Metallurgy and
Materials Engineering NIT Rourkela

Dr. Ravi Kumar Kanaparthi
Assistant Professor
Department of Chemistry Central University of Kerala

Dr. Yamala Anil Kumar
Freelance Researcher, Material Science & Engineering



understanding and encourage involvement for their future exposure. The initiatives aim to bridge the gap between laboratory research and practical applications through participatory lectures, field tours, and collaborative projects with neighbouring research clusters and natural habitats. The collective efforts of the staff leverage the student scientific deliverables and foster to posing 16 under graduate course streams, 3 post graduate and 2 certified course streams. Moreover, the students have shifting their assortment towards industrial chemistry, in this extent the department has recently introduced novel career-focused courses.

About the Physics Department

The Department of Physics has been one of the oldest and biggest departments since the establishment of GCRJY. It was established in 1930 under the Madras Province of British India. Post Graduate Course in PHYSICS was introduced with an affiliation of Andhra University, Visakhapatnam, in 1971. To inculcate Research tinge among students, and faculty, a research facility titled Crystal Growth and Nano Science Research Centre was established in 2009 and Research Advances in Materials (RAM)-Science Center was established in 2024. At present, 04 B.Sc.-Major programs, 01 M.Sc. Physics, and Research Programs are offered by the Department. The department is determined to establish facilities for Crystal Growth Research, Nanomaterials and Magnetic Materials. The Department targets to achieve Research Excellence in Interdisciplinary & Allied Sciences through collaborations with Industry and Educational Institutions within the nation and across the globe.

About the ATAL

The Government of India in association with All India Council for Technical Education (AICTE) launched the AICTE Training and Learning (ATAL) academy with a vision to empower faculty to achieve goals of higher Education such as access, equity and quality. ATAL Academy have started unique Faculty Development Programs in various thrust areas of modern technology. More than 1100 such programs have already been conducted in various AICTE approved institutions benefitting the faculty, Research Scholars and PG Students around the nation.

About the FDP

This FDP aims to enhance faculty understanding of advanced research materials, rare earth elements, and critical minerals vital to emerging technologies. It will provide insights into synthesis, characterization, and applications of advanced materials, along with the strategic importance of rare earths in sectors like energy, electronics, and defense. Participants will gain knowledge on sustainable extraction, recycling, and India's resource security. The programme will enable faculty to integrate contemporary topics into teaching and research, foster innovation, and support national initiatives like "Atmanirbhar Bharat" through academic-industry collaboration in material science and strategic mineral development.



About the College

The educational establishment was first founded as a school in 1853 and transformed into a college in 1873 in the "river city" Rajamahendravaram. The college essence on education encompasses not only focused academic work but also the attainment of knowledge, ethical tenets, and intellect coordination. In addition to posing comprehensive education, it aims to provide strong and long-lasting edifying programs that align with the inclusive advancement of science and the societal liability to shape students as next generation of citizens. Abundant programs run by the college help to create an ambience that encourages students to think analytically and strive for excellence. The college has surpassed milestones in view of research, documenting that the staff's dedication to putting things into practice is meant to uplift the students' morale.

In due course of its excellence, college convened as an autonomous status in 2000. As a result, the college has been working with prodigious for more than two decades. In this extent institution convoked as College with Potential Excellence (CPE) by UGC (University Grants Commission, Govt. of India) in the year 2016. Consequently, the institution accredited NAAC A+ with a CGPA of 3.38/4.00 by the revised Accreditation framework of 2017 in the year 2020. During third cycle, and is being driven forward utmost standards. DST-FIST has sanctioned an amount Rs.80 lakhs to the college to advance the facilities for training and research in all science branches. Currently, the college serves the educational needs of about 7000 students in the Rajamahendravaram suburbs by providing 53 undergraduate programs and 14 postgraduate streams. In addition, 9 research centres located here offer doctoral fellowship programs to the academic community. Lastly, we take great pride in stating that Adikavi Nannaya University, Andhra University and JNTU Kakimada have recognized our research study centre.

Chemistry the Department

The Department of Chemistry is large and having 33 staff members. In this conscientious force each member is well-connected in skill orientation with one another in order to attain desired results of the student community. In light of the global scientific events, the department will conduct special celebrations to raise student

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Coordinator
surekhanps@gmail.com

- Submitted Applications
- ✎ Resource Person
- 👤 Profile
- ⚙️ FDPs
- 📅 FDPs Schedule
- 📁 Applied Participants
- 📁 Approved Participants
- ☰ Test Marks
- 🗨️ Feedbacks
- 🗨️ Feedbacks Form
- 📊 Attendance

FDPs Schedule

Select Date *

Type of FDP mode *

Topics to be Covered *

Resource Person *

Location *

[Submit](#)

[Reset](#)

Sr. No.	Date	Mode	Topics Covered	Resource Person	Link/Location
1	2025-09-15	Online	Inaguration	Principal Coordinators and Resourcepersons	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODkyMDE4MTktNGJjOC00context=%7b%22Tid%22%3a%226507efaf-7de9dfc5bce951da%22%2c%22Oid%22%3a%22d1d5
2	2025-09-15	Online	Long lived Charge seperated Species in DonorAcceptor based Porfyrin Sensitizers for Dye Sensitized Solar cells	Dr L Giribabu	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDcxYmJmMmUtODAxYy0context=%7b%22Tid%22%3a%226507efaf-7de9dfc5bce951da%22%2c%22Oid%22%3a%22d1d5
3	2025-09-15	Online	Applications of Advanced materials in Cutting-edge Technologies	Dr. Ajith Behera	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTY5NGU2NjgtZTc2NC00context=%7b%22Tid%22%3a%226507efaf-7de9dfc5bce951da%22%2c%22Oid%22%3a%22d1d5

ATAL Online 6 Day Faculty Development Programmes 2025-26 Schedule

FDP Thrust Area:ENGINEERING AND MANAGEMENT

FDP Title:RARE EARTHS,ADVANCED MATERIALS&CRITICAL MINERALS

Start Date:15 SEP 2025

End Date: 20 SEP 2025

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
6:00PM to 6:30PM Inaugural Session All Delegates, Resource persons and Institution Authorities,Participants	6:00PM to 7:30PM Session 3 Topic: .Green energy from Green materials Name of the Expert: Prof.Rengaraj Selvaraj Designation & Organization:Professor of chemistry,Sultan Qaboos University,Muscat Years of Exp:30	6:00PM to 7:30PM Session 5 Topic Advanced magnetic materials for water splitting applications Name of the Expert: Dr.Paul Douglas Sanasi Designation & Organization:Professor of chemistry,Engineering Chemistry-Andhra university Years of Exp:32	6:00PM to 7:30PM Session 7 Topic: Advanced materials for energy applications Name of the Expert: Prof.Ramachandra Rk Designation & Organization:Principal,Government College (A) RJY Years of Exp: 30	6:00PM to 7:30PM Session 9 Topic: Advanced materials and its applications Name of the Expert: Prof.B.jagan Mohan Reddy Designation & Organization:Prof.of Chemistry,Adikavi Nannaya University Years of Exp:25	2:00PM to 3:30PM Session 11 Topic: .Soft materials for functional applications Name of the Expert: Dr.Ravi Kumar pujala Designation & Organization: Associate Prof.,of Physics,IISER Tirupati Years of Exp:14
6:30PM to 8:00PM Session 1 Topic: Organic photo voltaics for indoor applications Name of the Expert:	7:30PM to 9:00PM Session 4 Topic Sustainability aspects in processing of Advanced materials	7:30PM to 9:00PM Session 6 Topic Critical mineral processing from quarrej mines to semiconductor grade sio2	7:30PM to 9:00PM Session 8 Topic: : Spin orbital pumping in graph in multi layers Name of the Expert:Dr.Bheema lingam Chittari Designation & Organization: Associate Professor ,IISER KolkataYears of Exp:	7:30PM to 9:00PM Session 10 Topic: Innovations in semiconductors from the lab 2 industry	3:30PM to 5:00PM Session 12 Topic : Advanced materials and its applications Name of the Expert: Dr.Y.Anil Kumar Designation & Organization:Researcher Years of Exp:15
Dr.L.Giribabu Designation & Organization: Chief Scientist,IICT Years of Exp: 25	Name of the Expert: Dr.Ing VVSS Srikanth Designation & Organization:Associate Professor ,UOH Years of Exp:20	Name of the Expert: Dr.Sugali Pavan Kumar Designation & Organization: R7D managerFumitic Corporation,japanYears of Exp:15		Name of the Expert: Halubai Sekhar Designation & Organization:Kumamoto University Japan Years of Exp:17	
8:00PM to 9:30PM Session 2 Topic: Applications of Advanced material in cutting edge technologies Name of the Expert: Ajit Behera Designation & Organization: Asst.Prof.NIT Roorkeela Years of Exp:11					5:00PM to 7:30PM Session 13 Topic: Coloromatric and fluromatric cyanide sensors Name of the Expert: Dr.K.Ravi Kumar Designation & Organization: Assistant Professor CU kerala Years of Exp:13
					6:30PM to 7:30PM Online test & feedback 7:30PM to 8:00PM
					Valedictory Session





*You are
Invited*



Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)







AICTE sponsored

Online Faculty Development Program on
Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

Day-1

15th September, 2025

Inauguration: 6.00 to 6.30 pm.

Session-1(6.30-8.00pm): Dr. L. Giribabu

Session-2(8.00-9.30pm): Dr. Ajit Behera

The page features a decorative border. The top and right sides are framed by a plaid pattern in shades of red, green, and beige. The bottom and left sides are framed by a red background with white polka dots. In the corners, there are clusters of red roses with green leaves and stems, some with small red circular accents.

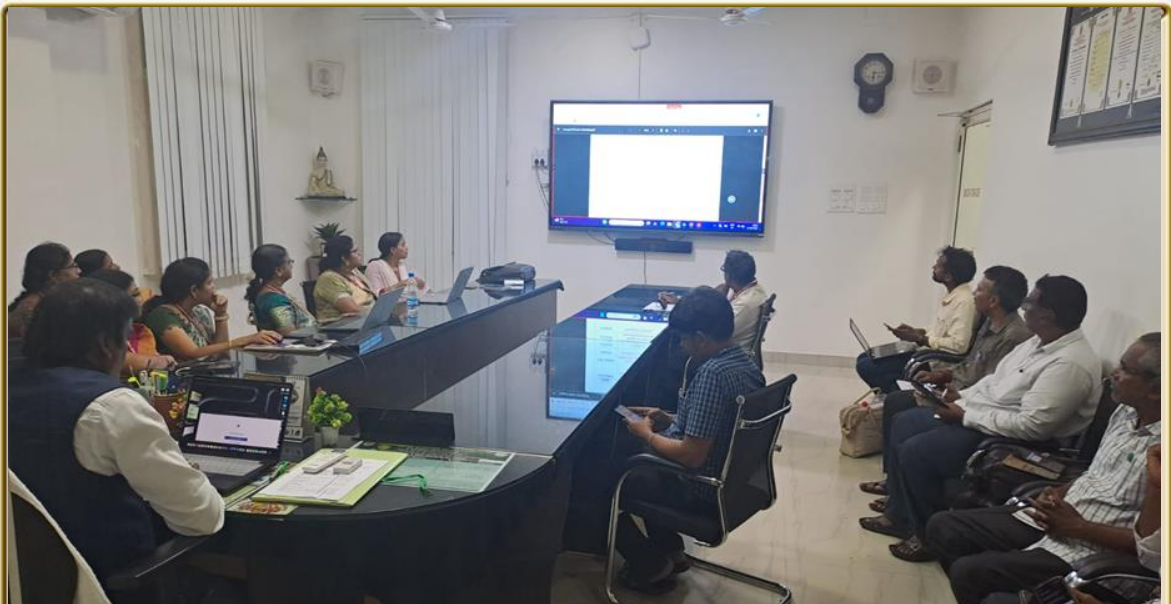
Inaugural Session

15th September, 2025

Lighting of Lamp and Prayer Address by Dignitaries



Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)



Join conversation

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You're invited to RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-1 Inaguration

Mon Sept 15, 2025

6:00 pm—6:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODkyMDE4MTktNGJjOC00MGMyLTk4OTMtOTRkMzk1ZTMwOGJm%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Day 1 Resource Person-1



Giribabu Lingamallu FNASc

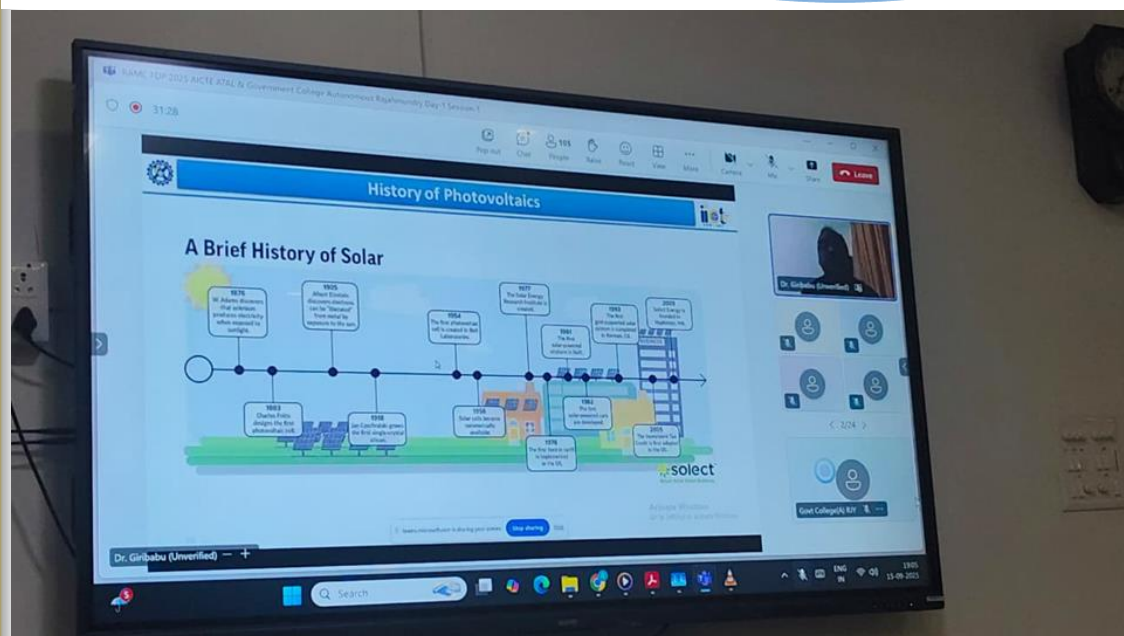
Department of Polymers & Functional Materials, [CSIR-Indian Institute of Chemical Technology](#).

About Speaker

Dr. L. Giribabu is a Senior Principal Scientist at CSIR-Indian Institute of Chemical Technology, Hyderabad, with more than 25 years of research experience in materials chemistry. His major areas of expertise include dye-sensitized and perovskite solar cells, donor-acceptor systems for bio-mimicking natural photosynthesis, and non-linear optical materials. He obtained his Ph.D. in Chemistry from the University of Hyderabad and has worked as a post-doctoral fellow in reputed international institutions before joining CSIR-IICT. Dr. Giribabu is a Fellow of the Royal Society of Chemistry (FRSC) and has made significant contributions through research publications, patents, and development of low-cost, efficient photovoltaic material

Title of Talk:

Long-Lived Charge Separated Species in Donor-Acceptor Based Porphyrin Sensitizers for Dye-Sensitized Solar Cells"



You're invited to RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-1 Session-1

Mon Sept 15, 2025

6:30 pm—8:00 pm (GMT +05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDcxYmJmMmUtODAxYy00YzdhLTk0NDYtM2VkZWZjY2JmOTA5%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

18:41

RAMC FDP 2025 AICTE...
02:27:01 169 attend...

Porphyrins as Sensitizers

IPCE of Porphyrin Sensitizers

Dr. Giribabu (Unverified)

komala lakshmi (Unv...
BASA VENKATA RAO...
Venkat (Unverified)
Mokshith gannamani

Dr. Giribabu (Unverified)
Govt College(A) RJY ...



RAMC FDP 2025 AICTE ATAL & GCRJY Day-1 Session-1 Feedback

forms.gle

<https://forms.gle/fuEhUFBx1ffrXohX7>

9:20 pm

Day 1 Resourse Person-2



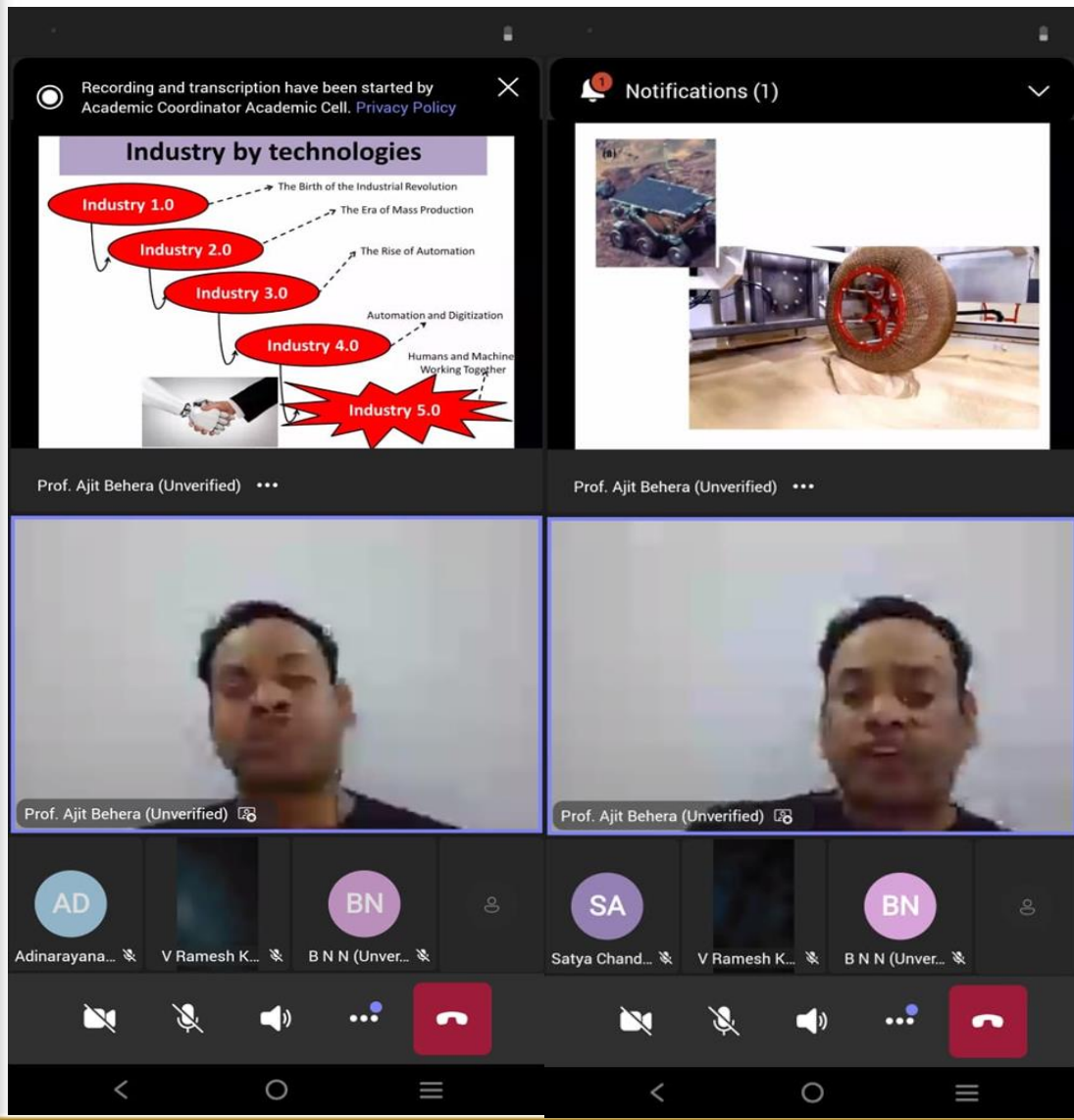
AJIT BEHERA (Ph.D., M.Tech, B.Tech)
Assistant Professor Room No. MS-202, Dept. of Metallurgical & Materials Engineering,
National Institute of Technology, Rourkela-769008, Odisha, India.

About Speaker:

Dr. Ajit Behera (Ph.D., M.Tech, B.Tech) is an Assistant Professor in the Department of Metallurgical and Materials Engineering at NIT Rourkela, with over a decade of academic and research experience. His research focuses on smart materials, NiTi alloys, additive manufacturing (3D & 4D printing), thin films, nanotechnology, and plasma surface engineering. He has published more than 200 research papers, authored several books, holds multiple patents, and serves on editorial boards of reputed international journals. Recognized with awards such as the C.V. Raman National Award, Young Engineer Award, and Dr. A.P.J. Abdul Kalam Professional Achiever Award, Dr. Behera has made significant contributions to advanced

Title of Talk:

Applications of Advanced material in cutting edge technologies



40

Natural materials are:
Quartz crystal
Rochelle salt,
Topaz, tourmaline,
Berlinité,
Cane sugar,
Bone.

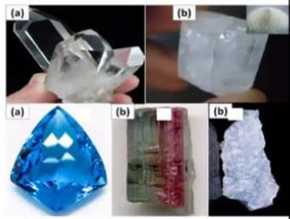



Figure 2.9: (a) Quartz crystal, (b) Rochelle salt, (c) topaz, (d) tourmaline, (e) Berlinité.

Prof. Ajit Behera (Unverified) ...



Prof. Ajit Behera (Unverified) [Microphone icon]

JK
J L S S Ph... [Microphone icon]

SA
Satya Cha... [Microphone icon]

BN
B N N (Un... [Microphone icon]

[Mute] [Unmute] [Volume] [More] [End Call]

Title: **Rare earths, Advanced Materials and Critical Minerals FDP**

Level: **Basic**

Mode: **Online**

Application No: **1748599535**

Status: **Approved**

Contact Coordinator by Email: **surekhanps@gmail.com**

STARTS **Sep 15, 2025** ENDS **Sep 20, 2025**

Institute: **GOVERNMENT COLLEGE AUTONOMOUS RAJAHMUNDRY**

Advanced Materials, Rare-earth & Critical Minerals

Engineering and Management



GOVERNMENT COLLEGE
RAJAHMUNDRY

AICTE Training and Learning (ATAL) Academy

ONLINE FACULTY DEVELOPMENT PROGRAMME ON RARE EARTHS, ADVANCED MATERIALS & CRITICAL MINERALS (RAMC FDP - 2025)

DEPARTMENT OF CHEMISTRY, PHYSICS & IQAC

WELCOME TO DELEGATES

RAMC FDP 2025 AICTE ATAL & GCRJY Day-1 Session-2 Feedback

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<https://forms.gle/7YXbbKztYa4jc6M86>

9:20 pm



AICTE sponsored

Online Faculty Development Program on
Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

Day-2

16th September, 2025

Session-1: Dr. Sugali Pavan Kumar Naik

Session-2: Dr. Vadali V S S Srikanth

Day -2: Resource Person-1 (6:00-7:30PM)



About Resource Person:

Dr. S. Pavan Kumar Naik is an accomplished researcher and R&D manager with expertise in smart and industrial materials including superconductors, semiconductors, metals, and activated carbons. He holds a Ph.D. in Physics from the University of Hyderabad and has over 7 years of experience in research, product development, process optimization, and quality control. With 50+ international publications and patents, he has worked in leading institutions and industries in Japan, including AIST, Tokyo University of Science, and Fumitec Corporation. His work focuses on high-purity material synthesis, Tesla-scale magnet development, demineralization techniques, and advanced materials for industrial applications, alongside strong skills in data analysis and machine learning

Dr. Sugali Pavan Kumar Naik

Research and Development Manager

Fumitec Corporation, Koriyama, Fukushima, Japan

Title of the Talk

Critical mineral processing from quarrej mines to semiconductor grade sio2

Introduction

Quartz (SiO₂ Mineral):

- One of the most abundant minerals on Earth (12.6 wt % of crust).
- A common compound with many mineral polymorphs.
- Contains a wide range of inclusions:
 - Solid, liquid, gaseous, and mixed phases
 - Fluid, melt, and minerals
- Removal of inclusions is limited without damaging the crystal structure.

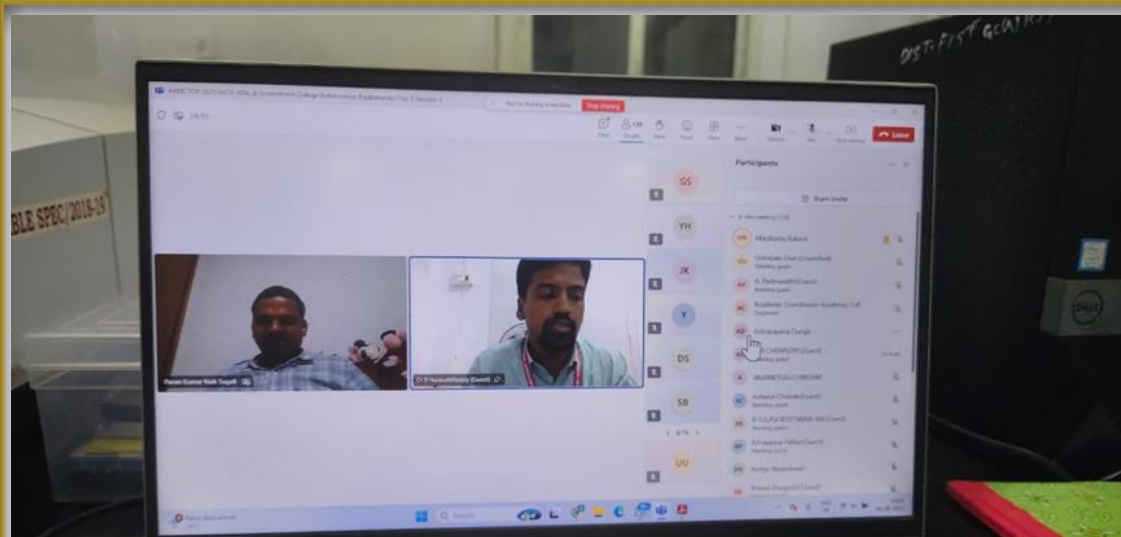
High-Purity Silica (HPS):

- Simple chemical formula SiO₂, has crystalline and amorphous modifications with varying crystallographic orders, which play an important role in geological as well as industrial processes
- Refined SiO₂ with minimal impurities is crucial for different high-end applications.

Key applications:

- Production of silicon (Si) → photovoltaic solar cells & semiconductors (Energy and all modern gadgets).
- Manufacturing of fused quartz glassware, crucibles, and optics.
- Essential for high-tech and clean-energy industries.
- Glass, ceramics, refractory materials and other traditional uses

Demand for high-purity quartz (HPQ) is strongly increasing worldwide owing to growing consumption and an increasing range of high-end technologies and applications



Join conversation

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You're invited to RAMC FDP 2025 AICTE ATAL & Government College
Autonomous Rajahmundry Day-2 Session-1

Tue Sept 16, 2025

6:00 pm—7:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDVmNTIwNDMtNmM1Ny00NzgzLWI1N2EtM2RiNDgzNzRlMDCx%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-



**RAMC FDP 2025 AICTE ATAL & GCRJY Day-2
Session-1 Feedback**

forms.gle

<https://forms.gle/ikVuJEUAkhojMqob7>

9:31 pm

Day-2 :Resourse Person-2 (7:30-9:00PM)

Dr.-Ing. Vadali V S S Srikanth

Professor

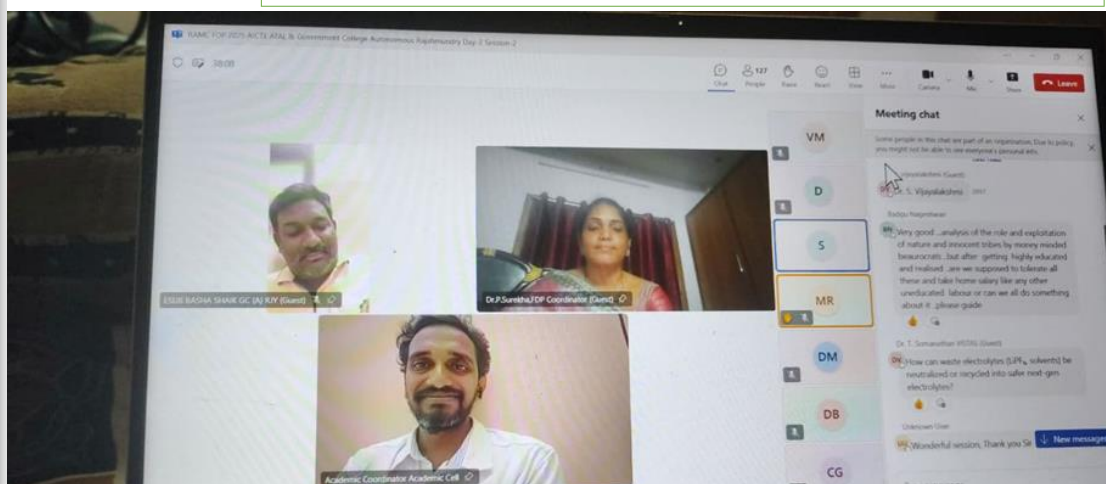
School of Engineering
Sciences and Technology
University of Hyderabad



Title of the Talk:
Sustainability aspects in
processing of Advanced materials

About Speaker:

Dr.-Ing. V. V. S. S. Srikanth is an Associate Professor at the School of Engineering Sciences and Technology, University of Hyderabad, with expertise in surface and interface engineering, nanoscience, and nanotechnology. With over a decade of research and teaching experience, he has guided several M.Tech. and Ph.D. scholars in cutting-edge areas such as graphene-based materials, nanocomposites, energy storage devices, and bio-applications of nanomaterials. He has published extensively in reputed international journals and has been recognized with prestigious awards including the INAE Young Engineer Award (2012) and the Chancellor's Award (2016) for his contributions to research and teaching. His work spans the development of advanced carbon nanomaterials, energy storage systems, sustainable nanomaterials processing, and biosensing applications, making significant contributions to both academia and industry.



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Autonomous Rajahmundry Day-2 Session-2

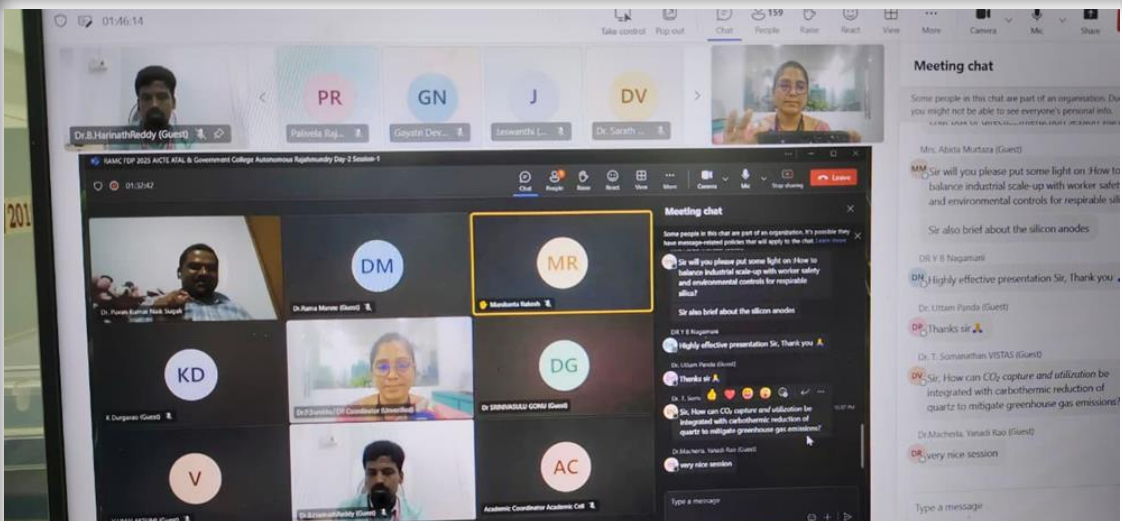
Tue Sept 16, 2025

7:30 pm—9:00 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2I0TYwYTgtYzM0OC00ZDEwLWE2YzItM2RmMTQ2YjBINzBi%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

7:09 pm



Examples of Advanced Materials:

- **Carbon fiber composites** → Designed to be light yet very strong → used as structural material airplanes.
- **Graphene** → Single-atom-thick design gives ultra-high charge mobility → used as electronic grade material in fast electronics.
- **Perovskite solar cells** → Engineered for high light absorption even under diffused light conditions → efficient solar panels.

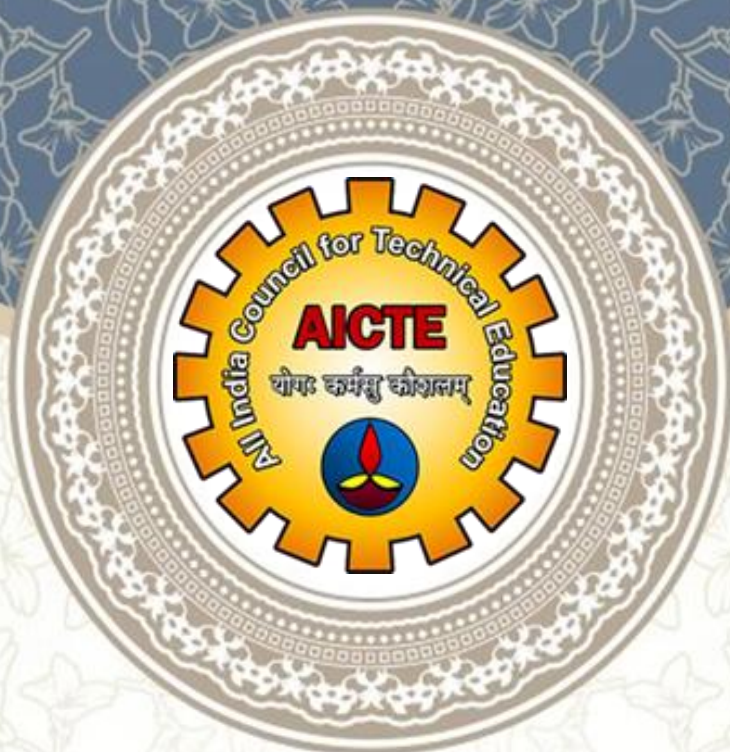


**RAMC FDP 2025 AICTE ATAL & GCRJY Day-2
Session-2 Feedback**

forms.gle

<https://forms.gle/qJdqBJWVNMHqvBdQ8>

9:31 pm



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Online Faculty Development Program on
Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

Day-3

17th September, 2025

Session-1: Dr Halubai Sekhar

Session-2: Prof. Paul Douglas Sanasi



About Speaker:

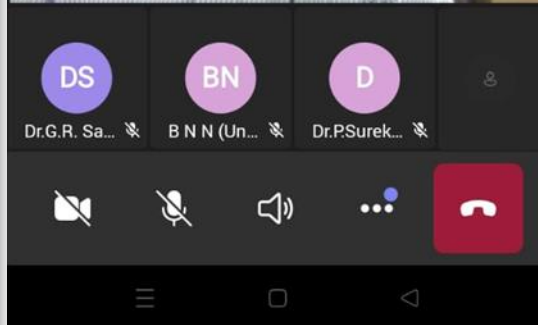
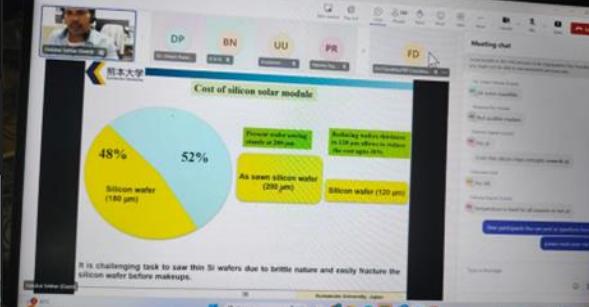
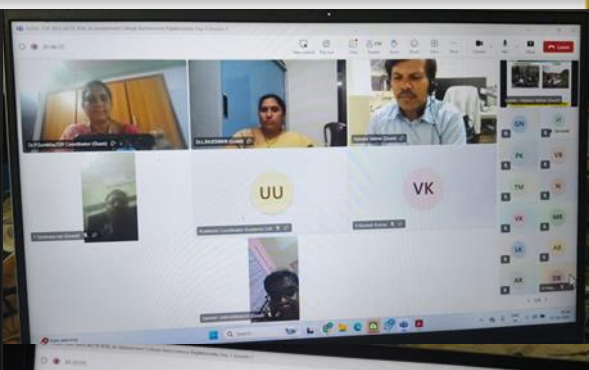
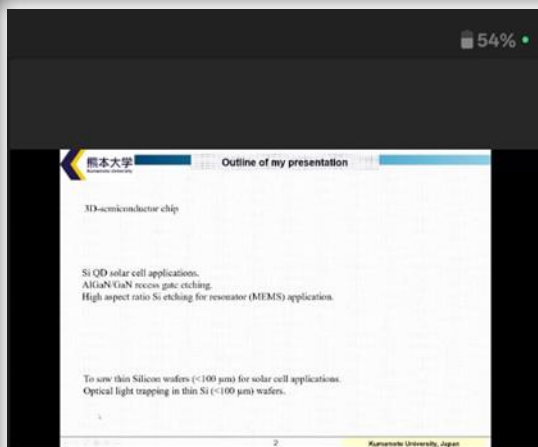
Dr. Halubai Sekhar is currently serving as a Specially Appointed Associate Professor at Kumamoto University, Japan, with rich academic and research experience in materials science, nanotechnology, and renewable energy. He previously worked as an Assistant Professor at Nagoya Institute of Technology and as a Research Scientist at the Fukushima Renewable Energy Institute, AIST, Japan. His research focuses on X-ray fluorescence holography, nanomaterials, thin silicon wafer technology for photovoltaics, and nonlinear optical studies, contributing significantly to the fields of solar energy and advanced material applications. With numerous international publications, invited talks, and collaborative projects, Dr. Sekhar has established himself as a dynamic researcher with expertise bridging physics, materials science, and energy technologies

Dr.H.Sekhar
Appointed Associate Professor
Kumamoto University, Japan

Advanced semiconductor technologies (Si QD solar cells, Si MEMS, AlGaIn/GaN HEMT and 3D semiconductor chip (on through Si via structures)

The screenshot shows a Zoom meeting interface. The top part displays a presentation slide titled "Chip" under the heading "T scaling (process nodes)". The slide includes a diagram of a chip, a cross-sectional diagram of a transistor with labels for Source, Gate, Oxide, n+, and Channel length, and a list of statistics: "In 1975, 65,000 transistors per chip" and "In 2025, chip makers can put 50 billion transistors on a chip the size of a fingernail." Below this, it discusses "Space application" and "180 nm node technology", mentioning "Intel's Semiconductor Breakthrough: Vision Chip" and "32 bit". The bottom part of the screenshot shows the Zoom meeting controls, including a list of participants: Dr.G.R. Sa..., B N N (Un...), Dr.PSurek..., Rama Sek..., B N N (Un...), and Dr.PSurek... The meeting title is "Mobile phones and computers".

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)



Your email will be recorded when you submit this form

* Indicates required question

RAMC FDP 2025 AICTE ATAL & GCRJY Day-3
Session-1 Feedback
forms.gle

<https://forms.gle/TESTKWxa6XUZH1DA>

9:10 pm

You're invited to RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-3 Session-1

Wed Sept 17, 2025

6:00 pm—7:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDVINzkzZjYtNDc5Mi00NzE5LTk1MTQ0tNGE0M2U3ZjRjODA2%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

6:28 am

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)



About Speaker:

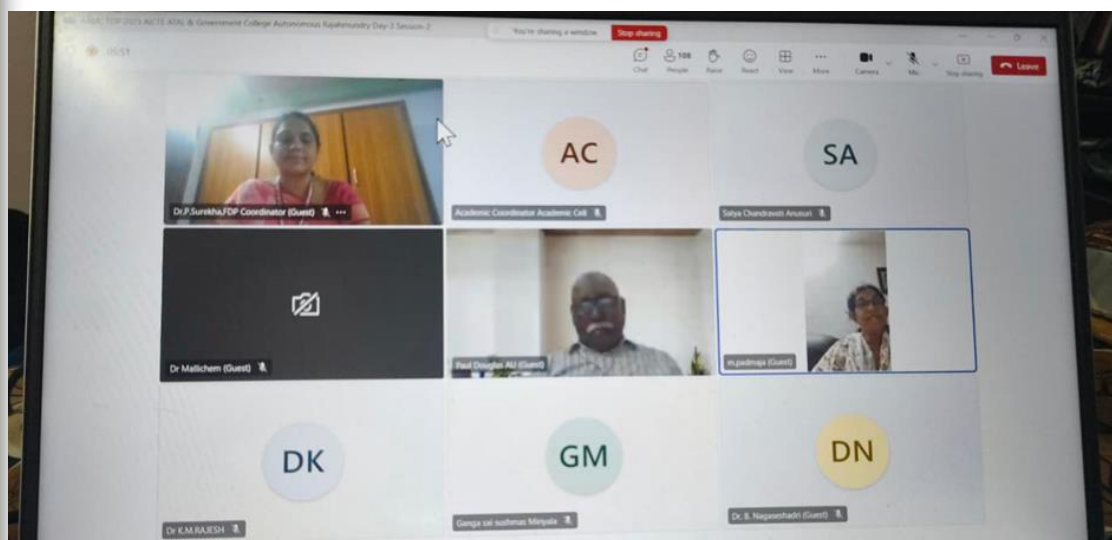
Prof. Paul Douglas Sanasi is a senior professor of Chemistry at the Department of Engineering Chemistry, Andhra University College of Engineering, with 34 years of teaching and research experience. He has served the university in several key roles including Head of the Department, Chairman of the Board of Studies, Associate Dean of International Affairs, and Chief Warden of International Hostels. His research interests span organic synthesis, nanocomposites, catalysis, and photodegradation, with more than 150 research papers, 8 book chapters, and guidance of 43 Ph.D. scholars to his credit. A strong mentor and motivator, he actively encourages student participation in academic, co-curricular, and creative activities, contributing significantly to holistic student development

Prof. Paul Douglas Sanasi

Department of Engineering Chemistry,
College of Engineering, Andhra University.

Title of the Talk:

Advanced magnetic materials for water splitting applications



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You're invited to RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-3 Session-2

Wed Sept 17, 2025

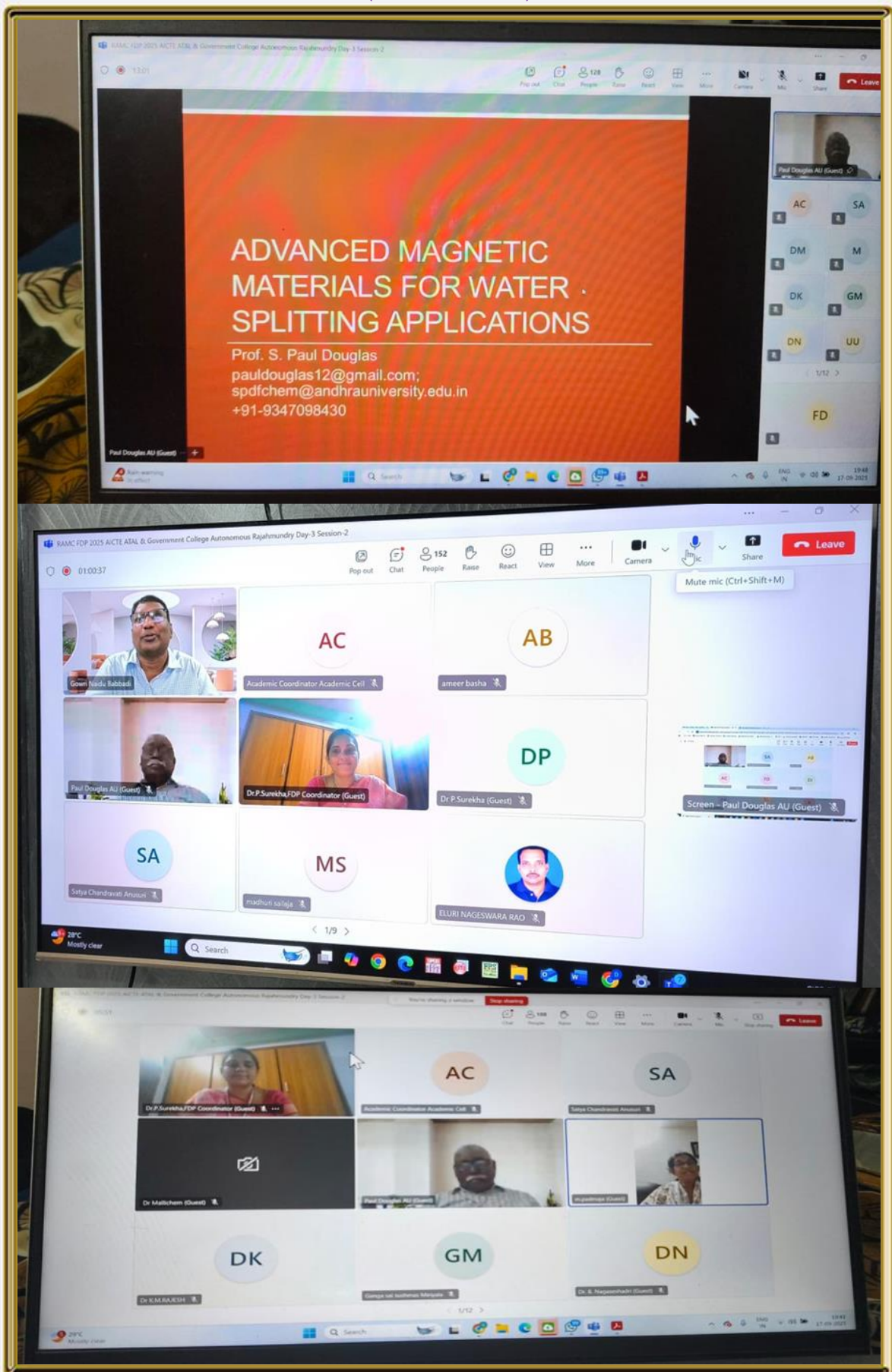
7:30 pm—9:00 pm (GMT+05:30)

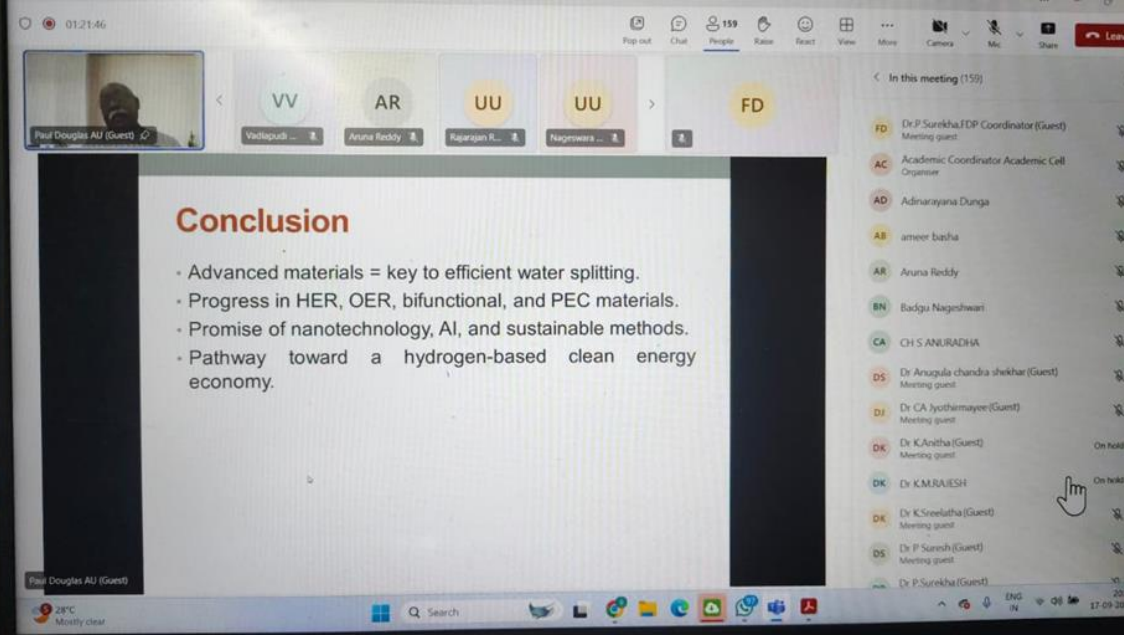
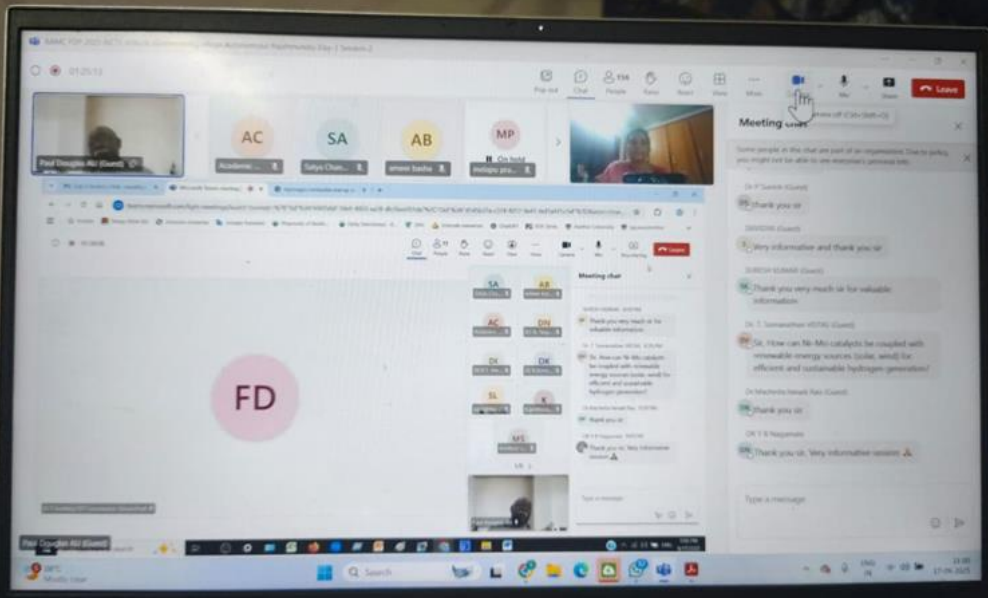
https://teams.microsoft.com/l/meetup-join/19%3ameeting_NTImZDhkYzItOTAxZS00YzA4LTJhZmMtZThmNDM0OOTIIYmQ2%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

7:18 pm

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)





RAMC FDP 2025 AICTE ATAL & GCRJY Day-3 Session-2 Feedback

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<https://forms.gle/7ceC22XXq1q6CH8S9>

9:10 pm





AICTE sponsored

Online Faculty Development Program on
Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

Day-4

18th September, 2025

Session-1: Prof. Rengaraj Selvaraj

Session-2: Prof. Bheemalingam Chittari



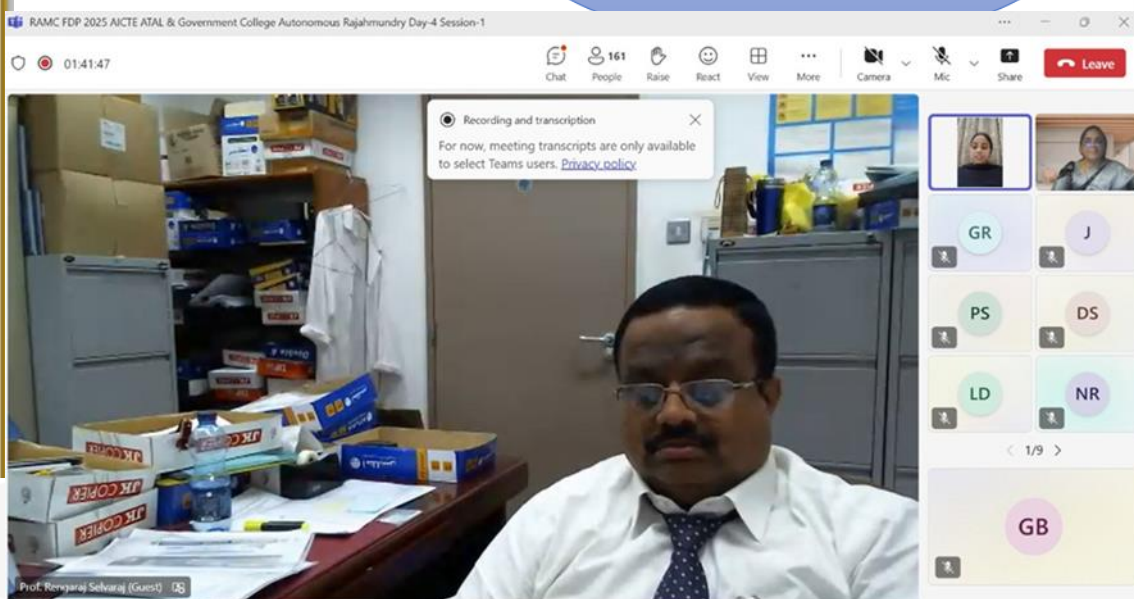
About the Speaker:

Prof. Rengaraj Selvaraj, Ph.D., FRSC, FICC, FIAAM, is a distinguished Professor of Analytical and Environmental Chemistry at Sultan Qaboos University, Oman, with over two decades of contributions in nanotechnology, sustainable water treatment, energy systems, and environmental protection. A Fellow of the Royal Society of Chemistry, he has published more than 125 research papers with over 9500 citations and an H-index above 37, consistently ranking among the top 2% of scientists worldwide. He has led several multi-institutional, industry-linked projects on clean water, energy efficiency, and climate change, while mentoring numerous Ph.D., M.Sc., and undergraduate students. Widely recognized with awards such as Best Teacher, Best Researcher, and Best Supervisor from Sultan Qaboos University and the Middle East Desalination Research Centre, as well as international honors including Eminent Scientist and Analytical Scientist Awards, Prof. Selvaraj is also a keynote speaker, editorial board member, and recently appointed Professor Extraordinaries at the University of South Africa.

Prof. Rengaraj Selvaraj, Ph. D., FRSC, FICC, FIAAM,
Professor of Analytical and Environmental Chemistry
Department of Chemistry, College of Science,
Sultan Qaboos University,
Muscat, Sultanate of Oman

Title of the Talk:

NEXUS OF SOLAR ENERGY AND
NANOTECHNOLOGY FOR GREEN ENERGY
PRODUCTION AND ENVIRONMENTAL



You're invited to RAMC FDP 2025 AICTE ATAL & Government College
Autonomous Rajahmundry Day-4 Session-1

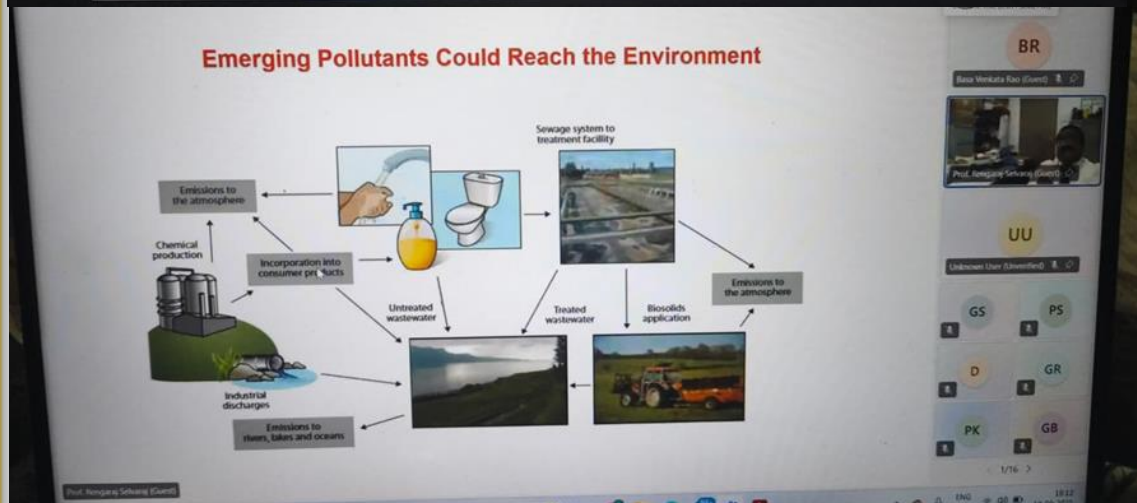
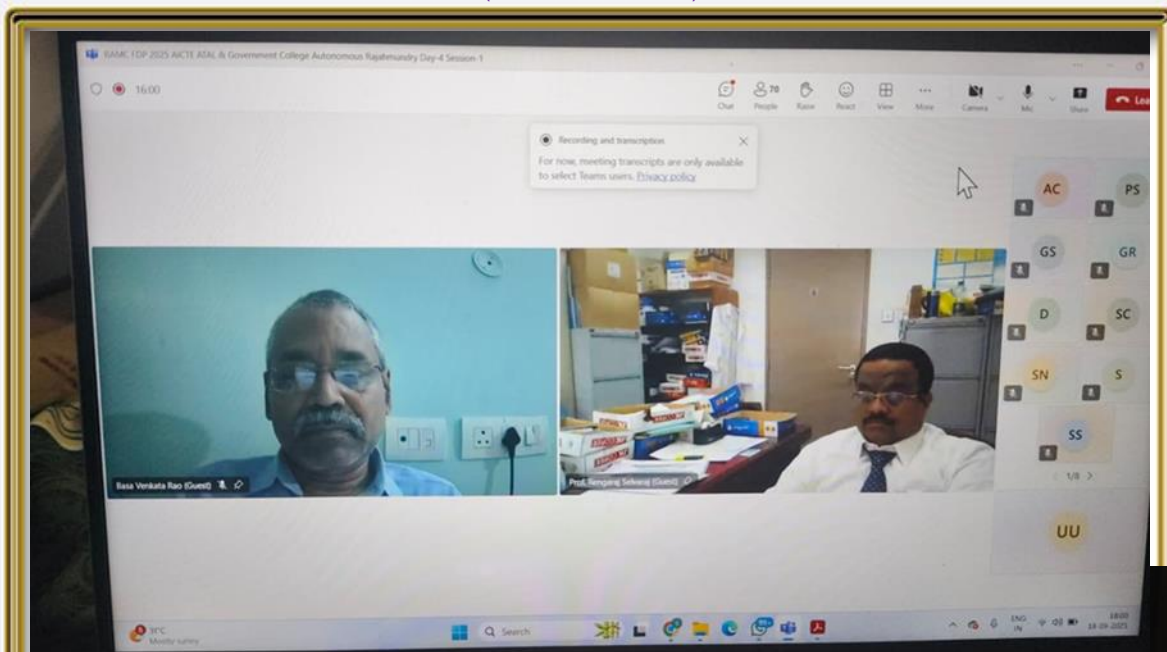
Thu Sept 18, 2025

6:00 pm—7:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDZkMTImNDItOTNmMC00MjUwLWJhNTtYwizYjA1MGZlYzQw%40thread.v2/0?context=%7b%22id%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

6:19 pm



How Pharmaceuticals are Entering into the Environment?

- Direct Flushing of unused/ out-of-date drugs down the sink.
- Drugs that are discarded in household rubbish will end up in soil.
- Human waste.
- Pharmaceuticals industries.
- Hospitals and polyclinics waste.



01:46:42

Chat People Raise Hand Reactions View More Cam

Meeting chat

GR

J

GB

DS

PS

LD

Some people in this chat have message-related reactions

SIRAMY SAMPANRAN

SRIVIDYA (Guest)

Excellent sir thank y

Dr. T. Somarathnan VISTAS

Dr. Sir, How do common (chlorides, bicarbonat metals) affect g-C₃N₂ modifications can over

Aruna Rindily

AR: Thank You Sir

Dr. P. Sankaran (Guest)

Wonderful session, Thank

Notifications (2)

D

Dr.P.Surekha,FDP Coordinator... G V LOKESWARA REDDY (Unv

Basa Venkata Rao (Unverified) Prof. Rengaraj Selvaraj (Unv

PK

Your email will be recorded when you submit this form

* Indicate as required question

GOVERNMENT COLLEGE
AICTE Training and Learning (ATAL) Academy
ONLINE FACULTY DEVELOPMENT PROGRAMME on RARE EARTHS, ADVANCED MATERIALS & CRITICAL MINERALS
RAMC FDP 2025
DEPARTMENT OF CHEMISTRY, PHYSICS & IQAC
WELCOME TO DELEGATES

RAMC FDP 2025 AICTE ATAL & GCRJY Day-4 Session-2 Feedback

forms.gle

<https://forms.gle/qizVwCd9TRZmKeub8> 9:01 pm

RAMC FDP 2025 AICTE ATAL & GCRJY Day-4 Session-1 Feedback

forms.gle

<https://forms.gle/5Tmn5NefE88dEroi8> 9:00 pm



About Speaker: Dr. Bheemalingam Chittari is an Associate Professor in the Department of Physical Sciences at IISER Kolkata, specializing in condensed matter theory with research interests in two-dimensional materials, graphene moiré superlattices, tunable 2D magnetism, and computational nanoscience. He earned his Ph.D. and M.Sc. in Physics from the University of Hyderabad and has held postdoctoral positions in leading institutes in South Korea, the USA, and India before joining IISER Kolkata. Dr. Chittari has published extensively in reputed journals, received recognitions such as the Dr. K.V. Rao Research Award and Best Poster Award at ICCP 2017, and has served in academic and research leadership roles, including chairing sessions at APS March Meeting and organizing national research meets

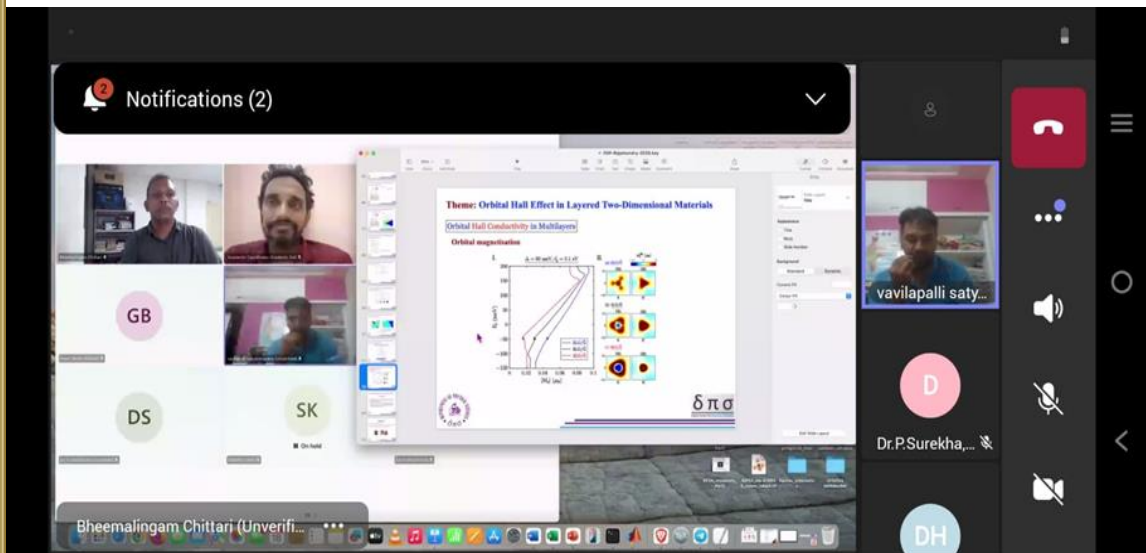
Dr. Bheemalingam Chittari

Associate Professor

Department of Physical Sciences, IISER Kolkata

Title of the Talk:

Spin orbital pumping in graph in multi layers



You're invited to RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-4 Session-2

Thu Sept 18, 2025

7:30 pm—9:00 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YWM3NjA5NDUtYjhmNi00Mjg4LTk1Y2QtYTIiOGQ0YmEyNmIz%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

7:34 pm

RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-4 Session-2

07:32

Spin and Orbital Pumping in Graphene multilayers

IISER KOLKATA

Bheemalingam Chittari
Quantum Theory of Functional Materials Group
Department of Physical Sciences,
Indian Institute of Science Education and Research Kolkata (IISER-K),
Mohanpur 741246, West Bengal, India

δ π σ

Zoom interface: Pop out, Chat, People (100), Raise, React, View, More, Camera, Share, Leave

Participant list: AC, GB, DH, DS, DV, UU, BC, VM, UU, 1/11, FD

System tray: 23°C Mostly clear, Search, Taskbar icons, 18:42 08-09-2025

RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-3 Session-2

11:24

5. Energy Security & Independence

- Countries that import fossil fuels can produce **green hydrogen domestically** using renewable resources, reducing reliance on foreign oil and gas.
- This enhances **energy security** and stabilizes economies against global fuel price shocks.

6. Versatility in Applications

- Hydrogen can be used in **fuel cells, internal combustion engines, electricity generation, heating, and as an industrial feedstock.**
- It can also be transported and stored in pipelines, tanks, or converted into derivatives like **ammonia or methanol** for easier handling.

Paul Douglas AU (Guest)

Zoom interface: Pop out, Chat, People (143), Raise, React, View, More, Camera, Mic, Share, Leave

Participant list: AC, AB, FD, DM, SA, GM, DI, GB

System tray: 26°C Cloudy, Search, Taskbar icons, 8:13 PM 9/17/2025





AICTE sponsored

Online Faculty Development Program on
Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

Day-5

19th September, 2025

Session-1: Prof. Ramachandra RK

Session-2: Prof. B. Jagan Mohan Reddy



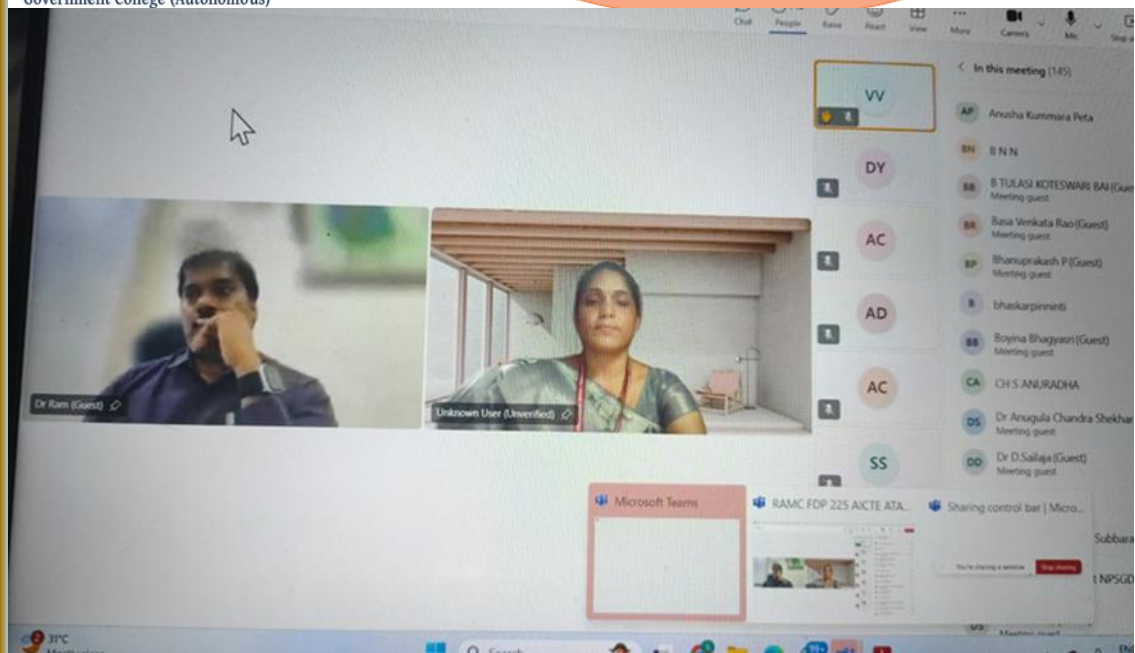
Prof Ramachandra R K, M.Sc, PhD
PRINCIPAL
UGC Raman PDF (USA)
State Best Teacher Awardee- 2018
Government College (Autonomous)

About the Speaker:

Prof. Ramachandra R.K, M.Sc, Ph.D, is the Principal of Government College (Autonomous), Rajamahendravaram, and also serves as Research Director for the Crystal Growth and Nanoscience Research Centre. A Gold Medalist in M.Sc. Nuclear Physics from Andhra University, he is a recipient of the State Best Teacher Award (2018) and the prestigious UGC Raman Post-Doctoral Fellowship in the USA. He has guided 13 Ph.D. and 2 M.Phil. scholars, published 100 research articles, and established significant collaborations with premier institutes like BARC and NPL. With several funded research projects, international exposure, and leadership in organizing national and international conferences, Prof. Ramachandra has made outstanding contributions to renewable energy, nanoscience, and physics education

Title of the Talk:

Advanced materials for energy applications



You're invited to RAMC FDP 225 AICTE ATAL & Government College Autonomous Rajahmundry Day-5 Session-1

Fri Sept 19, 2025

6:00 pm—7:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjViOTQwODUtNzQ0ZS00YjNmLTlhYzUtYzRkODUxMGQ1ZjBl%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

4:32 pm

The image displays three sequential screenshots from a Zoom meeting. The top screenshot shows a presentation slide for Government College, Rajahmundry, featuring a group of faculty members in suits. The middle screenshot shows a slide titled "BEAUTY of Quantum Mech." with the equation $E_1 = \frac{\hbar^2 \pi^2}{2mL^2}$ for a particle in a box, accompanied by a color spectrum and test tubes. The bottom screenshot shows a slide titled "MOTIVATION" with the mathematical expressions $(1.00)^{365} = 1.00$ and $(1.01)^{365} = 37.7$. The Zoom interface includes a participant list on the right and a chat window on the bottom right.

Meeting interface showing a slide titled "ADVANCED MATERIALS FOR LIGHT ENERGY AND BIOLOGICAL APPLICATIONS" by Ramachandra R K, Ph.D., Raman Fellow-GOI-USA. The slide includes a graph and a microscopic image. The meeting participants list on the right includes Dr. Mochini Venkata Subbarao, Dr. P. Sivaraagini Smt NPSGDCW, Dr. P. Suresh, Dr. Ramesh Yellapragada, Dr. SRINIVASULU GONU, Dr. Y. B. Nagamani, Dr. B. Nagaseshadri, Dr. CH. RAJANI, Dr. P. Sashikiran, Dr. Sarath Chandra Veerla, Dr. Syed Mohammed Shaab, Dr. Thirumala Rao Gurugubelli, and Dr. Uttam Panda.

Meeting interface showing a grid of participants' video feeds. The chat window on the right contains the following messages:

- Some people in this chat are part of an organization. Due to policy, you might not be able to see everyone's personal info.
- SS: Sir, can you please explain the reason of getting a ligand to charge transfer band in excitation spectra of rare-earth ions, such as the 246 nm band observed in Tb³⁺ excitation?
- ametha lakshmi (Guest)
- AK: Nice presentation Sir very informative. Thank you sir
- Dr. Uttam Panda (Guest)
- DS: Thanks sir for insightful session for young researchers
- Academic Coordinator Academic Cell
dtkrcy@gmail.com
- Dr. P. Sashikiran (Guest)
- DS: Thank you Sir!
- Dr. Mochini Venkata Subbarao (Guest)
- DS: very informative session

Government College
ACTE Training and Learning (ATAL) Academy
ONLINE FACULTY DEVELOPMENT PROGRAMME
DEPARTMENT OF CHEMISTRY, PHYSICS & QAC
WELCOME TO DELEGATES
RAMC FDP 2025 AICTE ATAL & GCRJY Day-5
Session-1 Feedback
forms.gle
<https://forms.gle/uZp4KEwfDiLadfwPA>
9:37 pm



About Speaker:

Prof. B. Jaganmohan Reddy garu is a distinguished professor of Chemistry at Adikavi Nannaya University, Rajahmundry, well known for his academic excellence, research contributions, and dedication to teaching. *Prof. Dr. B. Jagan Mohan Reddy, specializing in *Synthetic Organic Chemistry. The document outlines his professional history, including over **27 years of service* and his progression through academic ranks from Assistant Professor to full Professor. Furthermore, *79 publications, **six patents, five books, numerous awards such as the **Young Scientist Award – IUPAC, 2011, and his current research supervision of ten ongoing Ph.D. scholars. Many *patents* on topics ranging from chemical synthesis processes to drug delivery systems. tirelessly for the growth of the institution and the holistic development of students. . He has actively participated in seminars, workshops, and conferences at national and international levels, contributing to the advancement of chemical education and research.

Prof. Dr. B. Jagan Mohan Reddy
Professor of Chemistry
State Best Teacher Awardee
Adikavi Nannaya University-Rajahmundry-AP

Title of the Talk:
Material for advanced research
Nanomaterials property and applications

AICTE Training and Learning (ATAL) Academy
Sponsored
Online Faculty Development Program on "RARE EARTHS, ADVANCED MATERIALS & CRITICAL MINERALS (RAMC FDP-2025)* from 15th to 20th September 2025
Organized by
Government College (Autonomous), Rajamahendravaram, Andhra Pradesh, INDIA.
PRESENTED BY
PROF. B. JAGAN MOHAN REDDY
DATE: 19-09-2025
TOPIC: ADVANCED MATERIALS and IT'S APPLICATIONS

You're invited to RAMC FDP 2025 AICTE ATAL & Government College
Autonomous Rajahmundry Day-5 Session-2

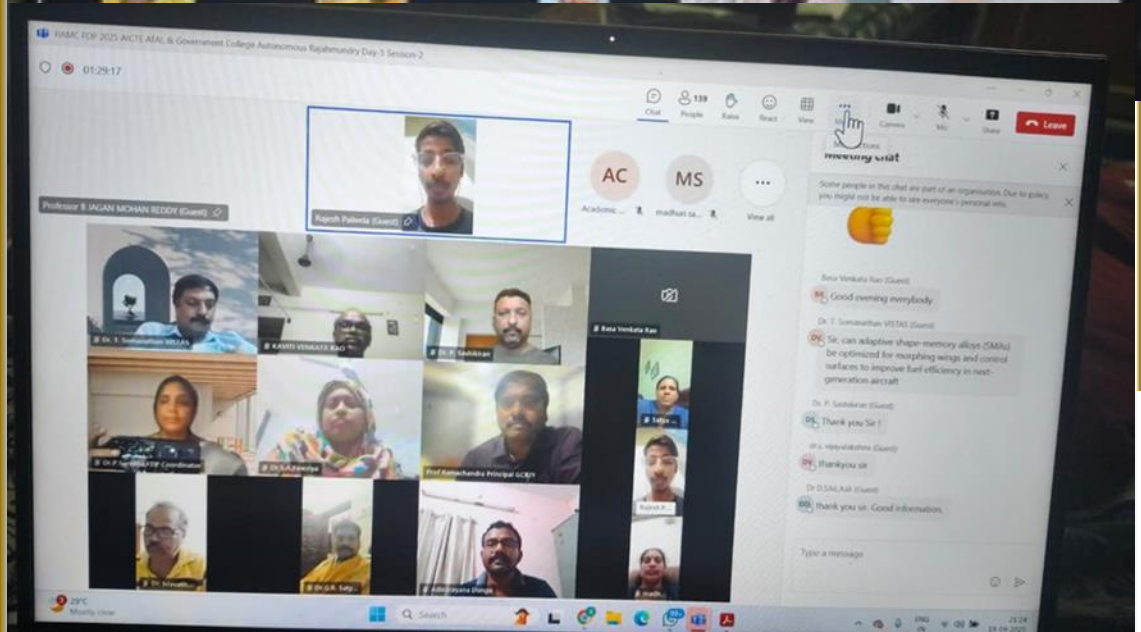
Fri Sept 19, 2025

7:30 pm—9:00 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZmYwMDc3NTUtYzNmZS00NmlyLWJhNjktMjdlODExZDEyMWFk%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

7:23 pm



RAMC FDP 2025 AICTE ATAL & GCRJY Day-5 Session-2 Feedback

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<https://forms.gle/dE1eGBTDy3KuPbbt6>

9:38 pm



AICTE sponsored

Online Faculty Development Program on
Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

Day-6

20th September, 2025

Session-1: Dr. Dr. K. Ravi Kumar

Session-2: Dr. Ravi Kumar Pujala

Session-3: Dr. Y. Anil Kumar

Session-4: Valedictory



Dr. Ravi Kumar Kanaparathi
Assistant Professor

Department of
Chemistry Central
University of Kerala
Tejeswini Hills, Periyar, Kasaragod, Kerala-
671 320.
rkchem@cuks.ac.in

Resource Person-1

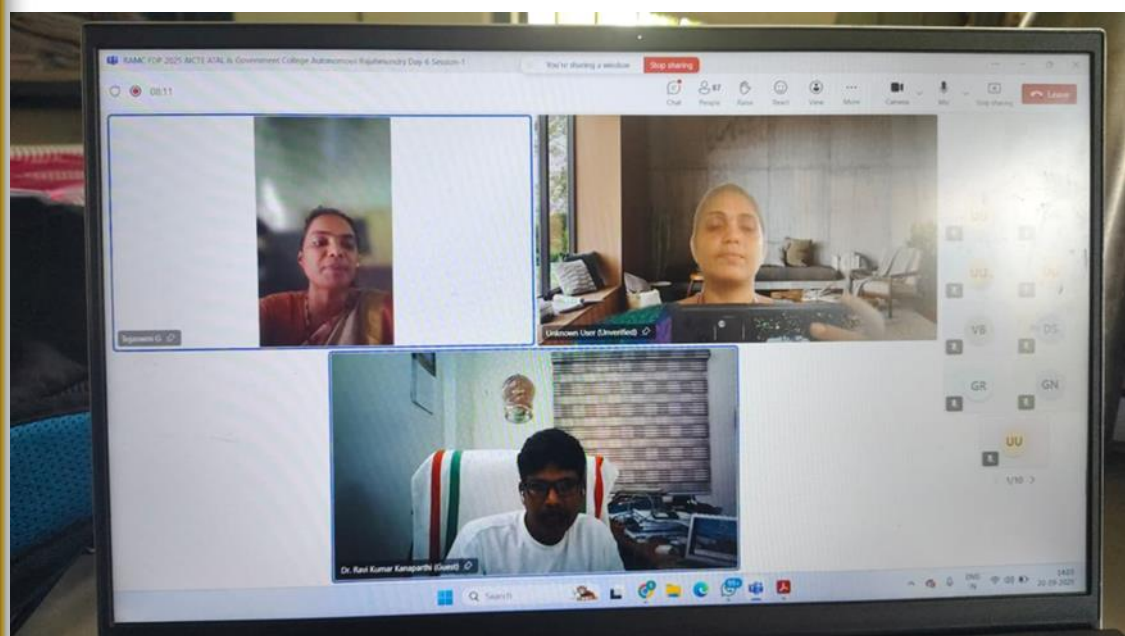
2.00-3.30pm

Title of the Talk:

Colorimetric and
fluorimetric cyanide
sensors

About the Speaker:

Dr. Ravi Kumar Kanaparathi received M.Sc. and Ph.D. from University of Hyderabad. Subsequently, he joined as a Post-Doctoral Fellow in CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad, India and worked for two years. Later he joined in the Department of Chemistry as Assistant Professor (September 2013). He received Medal from the University of Hyderabad, CSIR-UGC Junior Research Fellowship (JRF) and Senior Research Fellowship (SRF), and DST-Young Scientist award from DST, Govt. of India. His research group mainly focused on new materials for efficient solar energy harvesting, sensing toxic metals and small molecules, fluorescent molecular nanomaterials and optoelectronic devices. At present, he is actively involved in developing new efficient sensitizers for dye sensitized solar cells (DSSCs) based on tetrapyrrolic (porphyrin, phthalocyanine and corroles) systems and fluorescent organic molecules. Dr. Ravi Kumar is an expertise in the fabrication of DSSCs, organic and metal nanoparticles, optical & electron microscopy, studying the ultra-fast dynamics (electron and energy transfer reactions) by steady-state and time-resolved fluorescence techniques. He has published over twenty-five national/international research articles in peer-reviewed journals and presented his research findings in various national and international conferences. He has successfully completed two projects supported by SERB, Govt. of India. Currently, two PhD students are perusing research work under his guidance. He has guided several Masters students for accomplishing dissertation work. He is the reviewer of leading scientific journals of various publishers which include American Chemical Society (ACS), Royal Society of Chemistry (RSC), Elsevier and John-Wiley & Sons.



You're invited to RAMC FDP 2025 AICTE ATAL & Government College
Autonomous Rajahmundry Day-6 Session-1

Sat Sept 20, 2025

2:00 pm—3:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2ExZDljMDItN2UyNC00MGUxLTgwYTctZWY2MzU1NDg3MzQx%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

12:52 pm



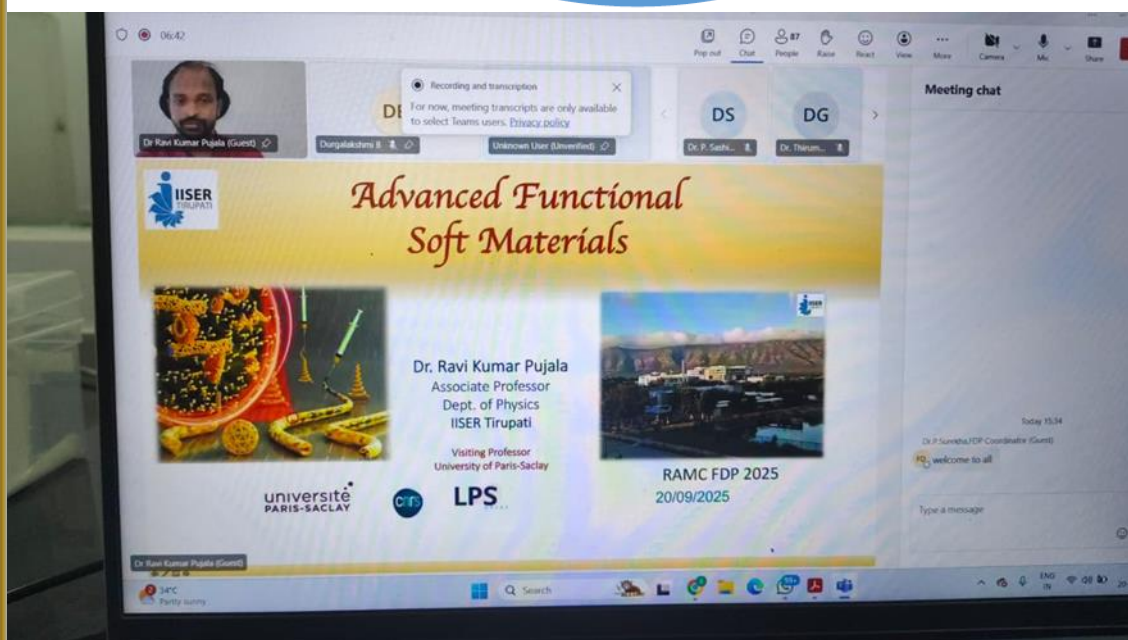
About Speaker:

Dr. Ravi Kumar Pujala is an Associate Professor of Physics at IISER Tirupati and Visiting Professor at the University of Paris-Saclay, with research expertise in soft condensed matter including colloids, gels, glasses, and nanomaterials. He earned his Ph.D. from Jawaharlal Nehru University, New Delhi, and pursued postdoctoral research in Utrecht (Netherlands) and Crete (Greece), focusing on the structural, dynamic, and rheological properties of complex soft matter systems. His work explores dispersion stability, microstructure, and phase transitions in nanomaterials, contributing to advancements in both fundamental physics and applied materials science. He is also a Visiting Professor at the University of Paris-Saclay (from Sept 2023). His research career includes postdoctoral work in Europe (Utrecht, Netherlands & Crete, Greece) focusing on soft condensed matter: e.g. colloids, gels, glasses and their dynamic, rheological, structural properties

Dr. Ravi Kumar Pujala
Associate Prof., of Physics,
IISER Tirupati

Title of the Talk:
Soft materials for
functional applications

Resource Person-2
3.30-5.00pm



Sat Sept 20, 2025

3:30 pm—5:00 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_OWfM2MwMTgtMTdmNS00N2U0LWE3Y2QtN2E5NzBmYWZkMDBl%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

3:23 pm

RAMC FDP 2025 AICTE ATAL & Government College Autonomous Rajahmundry Day-6 Session-2

05:13

Recording and transcription
For now, meeting transcripts are only available to select Teams users. [Privacy policy](#)

Dr. Ravi Kumar Pujala (Guest)

Durgalakshmi B

Your microphone is muted
Press Ctrl+Shift+M to unmute your mic, or press and hold the Ctrl+Spacebar.

DS DG

Dr. P. Sashi... Dr. Thirum...

Dr. Ravi Kumar Pujala

Fabrication

- Isotropic
- Anisometric
- Complex colloids
 - Janus colloids
 - Patchy particles

Nanorods Janus Nanorods

Janus spheres Hematite Cubes

Self-assembly

- Colloidal Crystals
- Confinement
- Colloids in LCs

External fields

- ❖ Gravity,
- ❖ Electric / magnetic fields
- ❖ Light: optical tweezers
- ❖ Shear flow

Out-of-equilibrium

- ✓ Active
- ✓ Driven systems

- Collective behavior
- Self-propulsion
- Direction of propulsion

Theme of Research:

- Studying physics of soft matter systems *both passive and active systems*.
- Fabricate new mesostructured materials by self-assembly.
- The ultimate goal is to develop *new functional soft materials* with reconfigurable structures at the nano and meso-scales.

<https://sites.google.com/site/rkpujalasoftmatter/>

WELCOME TO DELEGATES

**RAMC FDP 2025 AICTE ATAL & GCRJY Day-6
Session-2 Feedback**

forms.gle

<https://forms.gle/RF4Pb7s5ZzXpHYAGA>

1:58 pm



Dr.Y.Anil Kumar

Freelancer Researcher
IISER Tirupathi-AP

Resourse Person-3

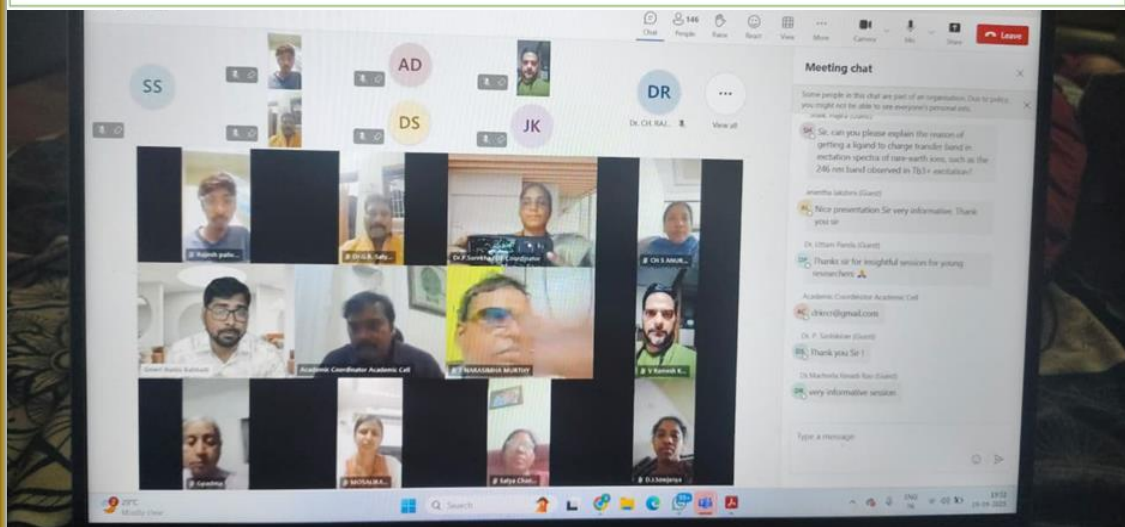
5.00-6.30pm

Title of the Talk:

Advanced materials and its applications

About Speaker:

Dr. Anilkumar Yamala (Ph.D.) is a researcher with expertise in nanomaterials, hydrogels, and their biomedical and environmental applications. He earned his Ph.D. in Materials Engineering from the University of Hyderabad, where his thesis focused on biopolymer nanocapsules and hydrogels for drug delivery and tissue engineering. He has worked as an Assistant Professor of Chemistry and R&D Coordinator at SVCN Engineering College, Nellore, and is currently a volunteer researcher at IISER Tirupati, collaborating with leading institutions across India. His research contributions include publications in reputed journals, a filed Indian patent, and presentations at national and international conferences. With a strong background in material synthesis, characterization techniques, and biomedical applications, Dr. Yamala continues to contribute significantly to advanced research in nanoscience and sustainable technologies.



You're invited to RAMC FDP 2025 AICTE ATAL & Government College
Autonomous Rajahmundry Day-6 Sesion-3

Sat Sept 20, 2025

5:00 pm—6:30 pm (GMT+05:30)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_OWEyZTJiMjEtYjdmMS00NTcwLTg3ZjMtMWZiNjk2YTc3YTlT5%40thread.v2/0?context=%7b%22Tid%22%3a%226507efaf-7de9-4803-aa28-dfc5bce951da%22%2c%22Oid%22%3a%22d1d5b37a-c374-4217-9e41-fed1a431c7ef%22%7d

Tap on the link or paste it in a browser to join.

4:49 pm



GOVERNMENT COLLEGE RAJAHMUNDRY

An Autonomous Institution Since 2000: Rajahmundry, Andhra Pradesh, India



**AICTE Training and Learning
(ATAL) Academy**



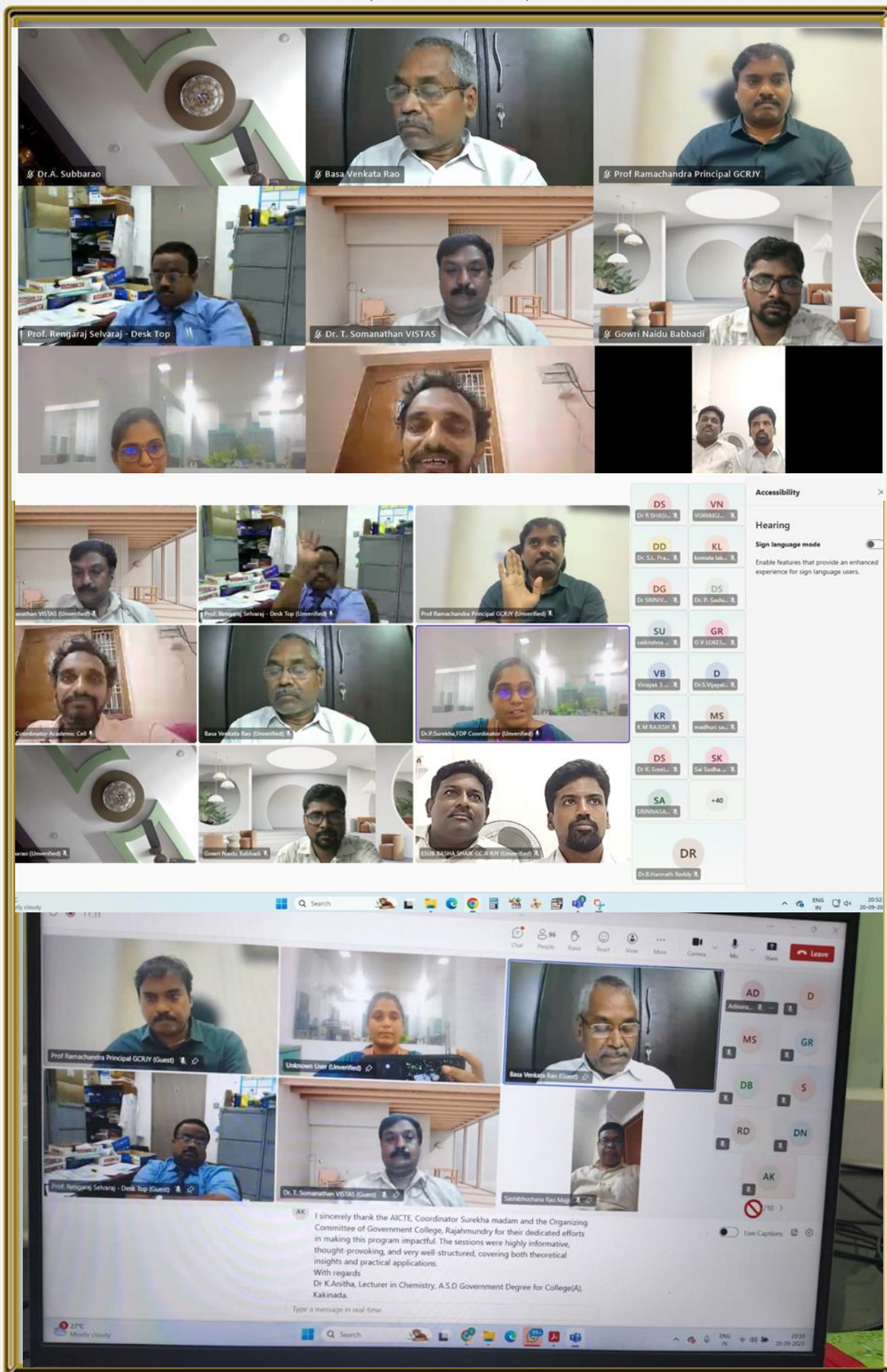
Sponsored
Online Faculty Development Program
on
**RARE EARTHS, ADVANCED MATERIALS
& CRITICAL MINERALS**
(RAMC FDP-2025)

From 15th to 20th Sep 2025

Valedictory Session Schedule

<u>Time</u>	<u>Program</u>	
7:30-7:35 PM	Welcoming by Coordinators	Dr. P. Surekha Dr. D. Sanjeev Kumar Coordinators
7:35 -7:40PM	FDP report by co - convener	Sri B Venkat Rao, Department of Chemistry
7:40-7:45PM	Address by FDP Director	Dr. Ramachandra RK, Principal, GC(A), Rajahmundry
7:45-7:50PM	Message by Chief Guest	Dr. Chandra Sekhar Buddha, CEO of Anuvadini AI and Chief Coordinating Officer at AICTE, Ministry of Education, India
7:50-7:55PM	Address by Special Guest	Dr. Sashibhushana Rao Majji, Director of Satya Group of Educational Institutions, Vizianagaram
7:55-8:00PM	Message by Guest of Honors (Resource Person)	Dr Rengaraj Selvaraj, Professor of chemistry, Sultan Qaboos University, Muscat
8:00-8:05PM	Convenors remarks	Sri. T. Srinivasa Rao, HOD, Department of Chemistry Dr. Ch. Komala Lakshmi, HOD, Department of Physics
8:05PM	Feedback	From Participants

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)



Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

The screenshot displays a Zoom meeting interface. At the top, a grid of six video thumbnails shows participants: GCRJY (Guest), Unknown User (Unverified), Basa Venkata Rao (Guest), Top (Guest), Dr. T. Somanathan VISTAS (Guest), and Sashibhushana Rao Maji. Below the grid, a chat window is open, showing a message from 'AK' that reads: "I sincerely thank the AICTE, Coordinator Surekha madam and the Organizing Committee of Government College, Rajahmundry for their dedicated efforts in making this program impactful. The sessions were highly informative, thought-provoking, and very well-structured, covering both theoretical insights and practical applications. With regards Dr.K.Anitha, Lecturer in Chemistry, A.S.D Government Degree for College(A), Kakinada." The chat also shows a list of participants with initials: AD, D, MS, GR, DBAS, and Dr. A. Bangaru... Below the chat, another grid of participants is visible, including Prof. Ramachandra Principal GCRJY (Guest), Unknown User (Unverified), Basa Venkata Rao (Guest), Prof. Renjitraj Selvaraj - Desk Top (Guest), Dr. T. Somanathan VISTAS (Guest), and Sashibhushana Rao Maji. The bottom of the screen shows the Zoom meeting control bar with icons for Chat, People (104), Raise, React, View, More, Camera, Mic, and Share. A hand cursor is pointing at the 'Camera' icon.

The screenshot displays a Zoom meeting interface. At the top, the meeting title is "Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals (RAMC FDP - 2025)". The top bar shows the time as 02:08:30 and 134 participants. A row of participant thumbnails is visible, including Rajesh Pal, Manuja K., Professor B. JA., ELURI NA., Dr. Istayaf, Vadiapudi, SRINIVAS, and sailaja rani. The main video window shows a woman, Dr. P. Surekha, FDP Coordinator, speaking. Below her is a row of more participant thumbnails. A chat window on the right contains several messages of appreciation and feedback. At the bottom, a banner reads "RAMC FDP 2025 AICTE ATAL & GCRJY OVERALL Feedback forms.gle" with a URL: <https://forms.gle/aeAdQN9tZC9KJZk37>. The time 1:59 pm is shown in the bottom right corner.

Meeting chat

Some people in this chat are outside your org. It's have message-related policies that will apply to the more

delivered during the six-day FDP program. Your contributions have greatly enriched learning experience. I also sincerely congratulate the organizing team and Surekha Madam for the successful execution of such a well-structured and impactful program. Thank you for this wonderful opportunity."

Dr. T. Somanathan VISTAS (Unverified) 8:31 pm

I sincerely thank AICTE and the Organizing Committee of Government College, Rajahmundry for organizing the six-day Faculty Development Programme on Rare Earth Metals, Advanced Materials, and Critical Minerals. The sessions were highly insightful, covering cutting-edge topics in materials science, sustainable resource management, and critical mineral technologies. This FDP has greatly enhanced my understanding of advanced materials, rare earth applications, and emerging research opportunities, which will be valuable for both teaching and research. I express my heartfelt gratitude to the resource persons for their expert guidance and to the organizers for their meticulous efforts in making this program highly enriching. 🙏🏆👏👏👏

Dr. Uttam Panda thanks sir for motivating session. I am captivated and enlightened

Dr. Uttam Panda from your session I learnt lot and

Dr. Uttam Panda dream lot! 🙏

WELCOME TO DELEGATES

RAMC FDP 2025 AICTE ATAL & GCRJY OVERALL Feedback

forms.gle

<https://forms.gle/aeAdQN9tZC9KJZk37>

1:59 pm

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

01:09:19

Chat People 104 Raise React View More Camera Mic Share Leave

01:05:53

Chat People 106 Raise React View More Camera Mic Share Leave

Participants

Share invite

In this meeting (106)

- Prof Ramachandra Principal G... (Unverified)
- Dr PERIYALA V N ACHARYULU (Unverified)
- A PADMAVATHI (Unverified)
- Academic Coordinator Academic Cell Organizer
- Adinarayana Dunga (Unverified)
- ANJANEYULU.CHINTAM (Unverified)
- Anusha Kummara Peta (Unverified)
- Aruna Reddy (Unverified)
- B N N (Unverified)
- B TULASI KOTESWARI BAI (Unverified)

01:13:26

Chat People 101 Raise React View More Camera Mic Share Leave

Dr.P.Surekha,FDP Coordinator (Unverified)

Academic Coordinator Academic Cell

RTT

RTT (Real-time text) has been enabled for all participants throughout this meeting. All typed conversations in the RTT text box will be recorded, transcribed, and included in the transcript, in accordance with the Microsoft Privacy Statement.

Academic Coordinator Academic Cell
<https://drive.google.com/file/d/1Xj8Kf8-05RcivzhSuKwoC-3U5O9i9Xl/view?usp=drivesdk>

ANJANEYULU.CHINTAM

Go to current

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

The screenshot displays a Zoom meeting interface. At the top, the meeting title is "Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals (RAMC FDP - 2025)". The interface shows a grid of 10 participants in a gallery view. Below the grid, a large video feed shows a man in a white shirt speaking. To the right, a chat window is open, displaying several messages from participants. The chat messages include:

- Dr.P.Surekha, FDP Coordinator (Unverified) 8:13 pm: pls join and express ur feedback we will call ur name
- Vadiapudi Vijaya (Unverified) 8:14 pm: Very good sessions mam
- Dr. P. Sashikiran (Unverified) 8:24 pm: I thank all the esteemed Resource Persons for their wonderful and extremely informative sessions presented during the last 6 days FDP program 🙌. And also Congratulate the Organizers team and Surekha Madam for successfully conducting such a wonderful and excellent FDP program, Thank you 🙌
- Unknown User left the chat.
- DIR Y B Nagamani (Unverified) 8:30 pm: I extend my heartfelt thanks to all the esteemed Resource Persons for their insightful and highly informative sessions

At the bottom of the screen, a text box indicates that Real-time Text (RTT) is enabled for the meeting. The RTT text reads: "RTT (Real-time text) has been enabled for all participants throughout this meeting. All typed conversations in the RTT text box will be recorded, transcribed, and included in the transcript, in accordance with the Microsoft Privacy Statement."

The background features a light beige central area with a decorative gold border. This central area is surrounded by pink sections containing intricate gold and pink floral and geometric patterns. The overall design is ornate and traditional.

RAMC FDP - 2025

**List of
Participants**

S. No.	Name	Email	Institute Name	Designation	Specialisation	State
1.	Mr. Rajesh Ramchandra Raut	get.rraut@gmail.com	Sanmati Engineering College, Washim	Assistant Professor	Physics	Maharashtra
2.	Dr. Praveena R	praveethang@gmail.com	Bannari Amman Institute, Sathyamangalam	Assistant Professor	Chemistry	Tamil Nadu
3.	Dr. K. Prabha	dataprabha1980@gmail.com				
4.	Dr. Dr. J. Madhuri Sailaja	madhurisailaja1981@gmail.com	Andhra University	Faculty Member	Solid State Physics	A P
5.	Mr. Chitrkant Belodhiya	ckbelodhiya@gmail.com	Pt. Ravishankar Shukla University, Raipur (C.G.)	Assistant Professor	Material Science	Chhattisgarh
6.	Dr. Polakala Sivaraagini	sivaraagini@gmail.com	Smt. NPS. Government College	Lecturer	Microbiology	A P
7.	Miss Nadagouda Kalyani	kalyani0519@gmail.com	G.Pulla Reddy Engineering College	Assistant Professor	Civil Engineering	A P
8.	Mr. Vinayak Shivaji Bachal	vinayak.bachal@thakureducation.org	Thakur College Of Engineering And Technology	Assistant Professor	Structural Engineering	Maharashtra
9.	Dr. V.T.Iswariya	iswariyapharma@gmail.com	Comr College Of Pharmacy	Assistant Professor	Pharmaceutics	Telangana
10.	Miss Seema Balasaheb Kharwade	seemabkharwade@gmail.com	P. R. Pote Patil College Of Pharmacy	Assistant Professor	Pharma	Maharashtra
11.	Dr. Rama Manne	drmrama@stcelr.ac.in	Ch. S. D. St Theresa's College (A), Eluru	Associate Professor	Chemistry	A P
12.	Dr. Rajarajan	rajachozhan93@gmail.com	Meenakshi Ramaswamy Engineering College	Assistant Professor	Mechanical	Tamil Nadu
13.	Mr. Kota Gani Raju	ganirajukota83@crjy.ac.in	Government College (A), Rajahmundry	Assistant Professor	Botany	A P
14.	Dr. Selvam A	selvamchemist@gmail.com	Panimalar Engineering College	Assistant Professor	Chemistry	Tamil Nadu
15.	Mr. Suraj Kumar Gupta	surajgpt1995@gmail.com	Ranchi University	Pg Scholars	Chemistry	U P



Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

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16.	Dr. Chintam Anjaneyulu	chanjaneyulu9@gmail.com	Bapatla Engineering College.	Faculty Member	Physics	A P
17.	Dr. Lingam Lakshmi Devi	lakshmidivilingam@gmail.com	Annamacharya University	Assistant Professor	Physics	A P
18.	Dr. Bsrividhya	vmhanvidhya@yahoo.co.in	K.S. Rangasamy , Thiruchengod	Professor	Chemistry	Tamil Nadu
19.	Dr. Karunakaran	nkarunag@gmail.com	SRM Institute	Faculty Member	Physics	Tamil Nadu
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21.	Mr. Krishna moorthy T	kitnamurty@gmail.com	Sri Ramakrishna Perambalur	Faculty Member	Physics	Tamil Nadu
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27.	Miss Penumala Bhagya Rekha	bhagyarekhapenumala@gmail.com	V.V. Institute Of Pharmaceutical Sciences	Assistant Professor	Pharmaceutical Chemistry	A P
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Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

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31.	Miss Kummara Peta Anusha	anushakp.anu10@gmail.com	Balaji College, Anantapur	Assistant Professor	Pharmacy	AP
32.	Dr. P. Surekha	psurekha@gcrjy.ac.in	Government College A Rajahmundry	Staff	Chemistry	AP
33.	Miss Dharnasi sunitha	sunithadharansi84@gmail.com	Mlritm	Assistant Professor	CSE	Telangana
34.	Mr. JIss Phani Kumar	phani.bvrice@gmail.com	B V Raju College	Associate Prof	Chemistry	AP
35.	Mr. Swamy Sabharinadh Veera	swamysabharinadh@gmail.com	B. V raju Institute Of Computer Ed	Assistant Professor	M.Sc	AP
36.	Mrs. Surya P Swapna Chebiyyam	swapna.chebiyyam@gmail.com	B.V.Raju College	Assistant Professor	M.Sc Analytical	AP
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41.	Dr. Suresh Paila	sureshp12345@gmail.com	Jntu Kakinada	Assistant Professor	Chemistry	AP
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43.	Dr. Bangaru Babu Alampally	bangaram205@gmail.com	Silver Jubilee Government College, Kurnool	Lecturer	Chemistry	AP
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45.	Dr. Syed Mohammed Shoab	dr.smdshoab@manuu.edu.in	Maulana Azad University Hyderabad	Faculty Member	Applied Physics	Telangana

Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

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46.	Dr. Divya Bharathi M	divya1341993@gmail.com	Easwari Engineering, Chennai	Assistant Professor	Physics	Tamil Nadu
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51.	Miss B. Prasanna Pallavi	barjiprasannapallavi@gmail.com	Balaji College Of Pharmacy	Assistant Professor	Pharmacy	A P
52.	Mrs. Nuthana Prathibha B	bnprathibha90@gmail.com	Balaji Pharmacy	Assistant Professor	Pharmaceutical Analysis	A P
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57.	Mr. Mulla Jakeer Hussain	jakirhussain009@gmail.com	SKP College Guntakal	Lecturer	Organic Chemistry	A P
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Online Faculty Development Program on Rare Earths, Advanced Materials & Critical Minerals
(RAMC FDP - 2025)

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61.	Dr. Nanduri Gayatri Devi	gayatride081971@gmail.com	Ch.S.D.St. Theresa's College For Women (A), Eluru	Associate Professor	Chemistry	A P
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68.	Mr. K Venkanna	karumuri.venkanna@gmail.com	SGA College, Yellamanchili	Faculty Member	Optics & Magnetism	A P
69.	Mr. Palivela Rajesh	mineralbeneficiationdepartment@gmail.com	SDS (A) College	Senior Lecturer	Mineral beneficiation	A P
70.	Dr. Jalla Suresh	jallasureshphd@gmail.com	Government College A Rajahmundry	Lecturer	Chemistry	A P
71.	Mr. Kaviti Venkata Rao	venkatkaviti@gmail.com	Government College(A), Rajahmundry	Lecturer	Chemistry	A P
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253	Mrs. Kandregula Jaswanthi	jaswanthikandregula156@gmail.com	Government College A Rajahmundry	Lecturer	Biotechnology	A P
254	Mr. K Venkateswara Rao	venkatguruk@gcrjy.ac.in	Government College(A), Rajahmundry	Lecturer	Physics	A P
255	Dr. D Sailaja	sailaja123@gcrjy.ac.in	Government College A Rajahmundry	Assistant Professor	Chemistry	A P

S. No.	Name	Email	Institute Name	Designation	Specialisation	State
256	Bhamidipati Naga Venkata Sai Lalitha	sailalitha.bhamidipati@gmail.com	Sri Chaitanya	Research Scholars	Organic Chemistry	A P
257	Dr. K Bhargavi	bhargavi.kanchu@gcrjy.ac.in				
258	Dr. Mushini Venkata Subbarao	subbarao.mv@gmrit.edu.in	G M R Institute Of Technology	Associate Prof	Chemistry	A P
259	Dr. B Narasimha Rao	narasimha320@gmail.com	SVR Engineering College	Professor	Physics	A P
260	Dr. Ramesh B	jairam.ramesh1@gmail.com	Government College (A), Nagari	Assistant Professor	Physics	A P

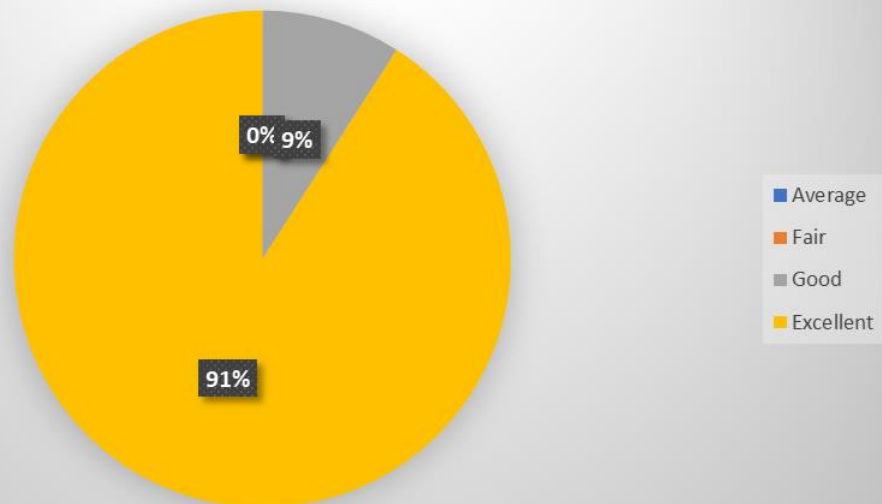
Total Approved Participants = 260



RAMC FDP - 2025

Participants Feedback

Content & Presentations





RAMC FDP - 2025

Formal

Approvals



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi 110 070
Website link: <https://www.aicte-india.org/atal>

TRAINING AND LEARNING BUREAU

Sanction Letter

F. No. AICTE/ATALFDP/2025-26/Online/1748599535

Date 20/08/2025

To

Dr.PINNINTI SUREKHA,
GOVERNMENT COLLEGE AUTONOMOUS RAJAHMUNDRY

Sub: Sanction of the Competent Authority for conduct of Six Day Online Faculty Development Programme on Rare earths, Advanced Materials and Critical Minerals FDP under AICTE Training & Learning (ATAL) Programme for the financial year 2025-26 reg.

Sir/Madam,

This is to convey the sanction of the Competent Authority of the Council for conduct of Six Day Online Faculty Development Programme under AICTE Training & Learning (ATAL) Programme for the financial year 2025-26 and for payment of Rs. 1,00,000/- (Rupees One Lakh Only) as Grant- In –Aid on reimbursement mode upon submission of Documents mandated:

The instructions/guidelines to be followed by University/Institution

I. Release of funds

(a). The maximum cost for conducting per programme will be of Rs. 1,00,000/- as per detail given as under:

1	Honorarium to Coordinator	Rs8,000/-
2	Honorarium to Co-coordinator	Rs5,000/-
3	Honorarium for computer operator	Rs2,000/-
4	Honorarium for experts (Rs.5000/ session for 11 sessions)	Rs55,000/-
5	Honorarium for overseas experts (Rs.10000/ session for 02 sessions)	Rs20,000/-
6	Miscellaneous charges (petty expenses, recording etc which is not covered above)	Rs10,000/-
	TOTAL	Rs.1,00,000/-

#Maximum amount mentioned against each head will not be relaxed and expenditures are to be restricted to head wise maximum limits

(b) The grant is subject to reimbursement on the basis of submission of the following documents:

- (i) Utilization Certificate & Statement of Expenditure (As per Annexure –I & Annexure II)
- (ii) Program completion report along with photographs, media report
- (iii) Bank Mandate form (As per Annexure - III)
- (iv) Link of recorded FDP video and link of video of some participant's feedback after uploading it on YouTube.
- (v) Compulsory Online Feed-back from all the participants
- (vi) List of the candidates who have successfully completed the program on the basis of the online test conducted by program coordinator.

- (c) The amount of the Grant-in-Aid bill shall be reimbursed and credited to the account of the institute through RTGS.
- (d) This Grant-in-Aid will be reimbursed in conformity with the terms & conditions as well as norms of the scheme as already communicated vide the scheme document.
- (e) The sanctioned grant-in-aid is debit to the AICTE Training & Learning (ATAL) Academy Programme Scheme and is valid for payment for FDP conducted during the financial year 2025-26 only.
- (f) In case it is revealed that any vigilance case/ grievance is pending against the institute or punitive action has been initiated against the institute for violation of AICTE norms, the Grant-In-Aid released to the institute will be liable to be refunded along with interest @, of 10% per annum.

2. Maintenance of Account by the Institute/University

- (a) The University/College/ Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilised only on approved items of expenditure as given above.
- (b) The Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilised for the purpose for which it was sanctioned.
- (c) All mandatory documents **in original, in hardcopy** be submitted to The Director, Training & Learning Bureau, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi -110070 within fifteen days of completion of the program.

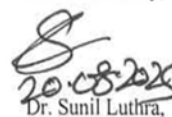
II. Distribution of funds to institutions,

Full and final Amount of the grant sanctioned i.e. Rs.1,00,000/- will be reimbursed to the University/Institute through electronic transfer in the account of the University/Institute after submission of mandatory documents and bank mandate form.

III. General Instructions

- (a) Minimum 100 number of participants is required to conduct the FDP, of which maximum 20% from host institution (relaxed to 30% for North Eastern states Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands).
- (b) A test has to be conducted on the last day accordingly and those who score more than 70% will be termed as successful candidates. Those who have attendance 80% or more and also score more than 70% in the test will be issued a digital certificate.
- (c) Eligibility for institutions and participants are as laid out in the scheme guidelines
- (d) No fees shall be charged from any participant for attending the FDP.
- (e) The institute should bear the expense incurred in addition to the fund granted by AICTE from their own resources.
- (f) Terms and conditions laid out in the Scheme Guideline for AICTE TRAINING & LEARNING ONLINE FACULTY DEVELOPMENT PROGRAMME 2025-26 will be final and binding.
- (g) This email is to be considered as the sanction for conduct of the FDP and claiming reimbursement.
- (h) Pre-assessment score on the FDP topic needs to be done and uploaded in the portal**

Yours Sincerely,


20-08-25
Dr. Sunil Luthra,

Director

Training and Learning Bureau, AICTE





GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

Estd: 1853; An Autonomous Institution & Accredited by NAAC at Grade 'A+' 

East Godavari District -533 105, Andhra Pradesh, India

(Affiliated to Adikavi Nannayya University, Rajamahendravaram, A.P -533296)

www.gcrjy.ac.in

Dr. Ramachandra R K, M.Sc., Ph.D.
PRINCIPAL

e-mail: gcrjy1853@gcrjy.ac.in

**Subject: NOC for sufficing eligibility of Coordinator and Co-Coordinator
ATAL Online 6 Day Faculty Development Programme**

Ref No. 1748599535

Date: 05-06-2025

To Whomsoever It May Concern

This is to certify that **Dr.P.SUREKHA**, employed as a Lecturer in Chemistry at Government College (A)Rajahmundry,EG District-AndhraPradesh, meets the eligibility criteria to serve as a Coordinator for the ATAL Online 6 Day Faculty Development Programme for the academic year 2025-26. Furthermore, **DR.D.SANJEEV KUMAR**, employed as a Lecturer in Physics at Government College (A)Rajahmundry,E.G District-AndhraPradesh, , meets the eligibility criteria to serve as a Co-coordinator for the same FDP.

It is further assured that no fees will be charged from the participants and Certificates will be issued only to those who comply the mandatory session attendance and assessment score.

Thanking you



Yours Faithfully

PRINCIPAL

Government College (A)
RAJAMAHENDRAVARAM





GCRJY

GOVERNMENT COLLEGE, RAJAHMUNDRY

AUTONOMOUS - NAAC - A+



Intimation about the approval of the accepted Online Faculty Development Programme for the year 2025-26-reg.

1 message

ATAL2 <atal2@aicte-india.org>
Bcc: surekhanps@gmail.com

Tue, Jul 29, 2025 at 3:04 PM

Dear Sir / Madam,

It is to inform you that your online FDP proposal has been accepted and approved. Kindly go through the approved list of online FDPs for confirmation which is uploaded on the portal <https://atalacademy.aicte.gov.in/results>. Please note that the online FDP budget limit is 1 lakh on reimbursement mode and the ceiling for each head of account is specifically mentioned in the scheme document that needs to be strictly followed. You may login to the ATAL FDP portal for approving the list of participants for conducting the FDP as per schedule. The intimation of sanction order will be issued soon.

====

Regards,
ATAL Cell





RQMC FDP - 2025

In Print Media



FDP on 'rare earths' at Govt College from Sept 15 to 20



EXPRESS NEWS SERVICE @ Rajamahendravaram

THE Government Autonomous College, Rajamahendravaram, will host a six-day international Faculty Development Programme (FDP) in collaboration with AICTE from September 15 to 20. The programme, themed "Rare Earths, Advanced Materials, and Critical Minerals – RAMC FDP 2025", will be held online in the evenings and is being organised by the Departments of Chemistry, Physics, and the Internal Quality Assurance Cell (IQAC).

The AICTE-ATAL-sponsored FDP is open to engineering and

degree college faculty, industry professionals, and postgraduate students across the state. Registration is available via the ATAL FDP portal. The certification awarded on completion will support participants under the Career Advancement Scheme (CAS).

National and international subject experts will deliver lectures throughout the programme. Organisers have encouraged faculty and professionals to register and make use of the opportunity.

ఈనాడు తూర్పుగోదావరి

మంగళవారం ఆగస్టు 5, 2025

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సెప్టెంబరు 15 నుంచి ఫ్యాకల్టీ డెవలప్‌మెంట్ కార్యక్రమం



దేవీచౌక్, న్యూస్టుడే: రాజమహేంద్రవరం ప్రభుత్వ ఆర్ట్స్ కళాశాలలో సెప్టెంబరు 15 నుంచి 20 వరకు అంతర్జాతీయ ఫ్యాకల్టీ డెవలప్‌మెంట్ ప్రోగ్రాం(ఎటీఎఎల్ ఎఫ్ డీపీ) నిర్వహించనున్నట్లు కళాశాల ప్రిన్సిపల్ డాక్టర్ రామచంద్ర ఆర్కే తెలి

పారు. సోమవారం దీనికి సంబంధించిన గోడపత్రాన్ని ఇతర అధ్యాపకులతో కలిసి ఆవిష్కరించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ రసాయన శాస్త్రం, భౌతిక శాస్త్రం, ఐక్యూఎసీ ఆధ్వర్యంలో ఈ కార్యక్రమం జరుగుతుందన్నారు.

సాక్షి తూర్పుగోదావరి

మంగళవారం, 5, ఆగస్టు, 2025

ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం పోస్టర్ ఆవిష్కరణ



కంబాలచెరువు: ఆర్ట్స్ కళాశాలలో ఆరు రోజుల పాటు జరగనున్న అంతర్జాతీయ ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం పోస్టర్ను ప్రిన్సిపల్ డాక్టర్ రామ చంద్ర ఆర్కే సోమవారం ఆవిష్కరించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ డిపార్ట్ మెంట్ ఆఫ్ కెమిస్ట్రీ, ఫిజిక్స్, ఐక్యవసీ ఆధ్వర్యంలో ఈ కార్యక్రమం జరుగుతుందన్నారు. సెప్టెంబర్ లో 15 నుంచి 20వ తేదీ వరకు ఆన్ లైన్ లో తరగతులు జరుగుతాయన్నారు. ఆరు రోజుల శిక్షణ కార్యక్రమంతో వచ్చిన సర్టిఫికేట్.. అధ్యాపకులకు కెరీర్ అడ్వాన్స్ స్మీంకు ఉపయోగపడుతుందన్నారు. దీనికి రాష్ట్ర

లోని ఇంజనీరింగ్, డిగ్రీ కళాశాలల అధ్యాపకులు, ఇండస్ట్రీ, పీజీ విద్యార్థులు అటల్ ఎఫ్ డీపీ పోర్టల్ ద్వారా రిజిస్టర్ చేసుకోవచ్చన్నారు. ఈ ప్రోగ్రాంలో జాతీయ, అంతర్జాతీయ నిపుణులు ప్రసంగిస్తారన్నారు. కార్యక్రమంలో ఐక్యవసీ కో ఆర్డినేటర్ డాక్టర్ ఏఎ అన్నపూర్ణ, అకడమిక్ కో ఆర్డినేటర్ డాక్టర్ రాజేశ్వరి, రసాయన శాస్త్ర విభాగాధిపతి టి.శ్రీనివాసరావు, భౌతిక శాస్త్ర విభాగాధిపతి డాక్టర్ కోమలలక్ష్మి, ఎఫ్ డీపీ సమన్వయకర్తలు డాక్టర్ పి.సురేఖ, డాక్టర్ సంజీవ్ కుమార్ తదితరులు పాల్గొన్నారు.

ప్రజాశక్తి

మంగళవారం 5 ఆగస్టు 2025

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తూర్పుగోదావరి



ఫ్యాకల్టీ ప్రోగ్రాం పోస్టర్ ఆవిష్కరణ

ప్రజాశక్తి - రాజమహేంద్రవరం

స్థానిక ప్రభుత్వ ఆర్ట్స్ కళాశాలలో ఎఐసీటిఇ సహకారంతో 6 రోజుల అంతర్జాతీయ ఫ్యాకల్టీ డెవలప్మెంట్ ప్రోగ్రాం పోస్టర్ను కళాశాల ప్రిన్సిపల్ డాక్టర్ రామచంద్ర ఆర్కె సోమవారం ఆవిష్కరించారు. డిపార్ట్మెంట్ ఆఫ్ కెమిస్ట్రీ, ఫిజిక్స్ అధ్యక్షులలో ఈ కార్యక్రమం నిర్వహించనున్నారు. ఈ కార్యక్రమం సెప్టెంబర్ నెలలో 15 నుండి 20వ తేదీ వరకు ఆన్లైన్లో సాయంత్రం తరగతులు నిర్వహిస్తారని తెలిపారు. ఈ ఆరు రోజుల ఫ్యాకల్టీ శిక్షణ కార్యక్రమం సర్టిఫికేట్ అధ్యాపకులకు ఉపయోగపడుతుందని తెలిపారు. ఇంజనీరింగ్ కళాశాల అధ్యాపకులు, డిగ్రీ కళాశాల అధ్యాపకులు, ఇండస్ట్రీ, పీజీ విద్యార్థులు అటల్ ఎఫ్డిపి పోర్టల్ ద్వారా రిజిస్టర్ చేసుకోవచ్చని తెలిపారు. ఈ కార్యక్రమంలో కళాశాల కో ఆర్డినేటర్ డాక్టర్



పోస్టర్ ఆవిష్కరిస్తున్న ప్రిన్సిపల్ రామచంద్ర ఆర్కె

ఎ.ఎ.అన్నపూర్ణ, అకడమిక్ కోఆర్డినేటర్ డాక్టర్ రాజేశ్వరి, రసాయన శాస్త్ర విభాగాధిపతి డి.శ్రీనివాసరావు, భౌతిక శాస్త్ర విభాగాధిపతి డాక్టర్ కోమల లక్ష్మి, ఎఫ్డిపి సమన్వయకర్తలు డాక్టర్ పి.సురేఖ, డాక్టర్ సంజీవ్ కుమార్ పాల్గొన్నారు.



ఈనాడు తూర్పుగోదావరి

ఆదివారం సెప్టెంబరు 14, 2025

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15 నుంచి బోధన అభివృద్ధి కార్యక్రమం

కె.రామచంద్రరావు ఒక ప్రకటనలో తెలిపారు.

దేవీచౌక్, న్యూస్టుడే: రాజమహేంద్రవరం ప్రభుత్వ ఆర్ట్స్ కళాశాలలో ఈ నెల 15 నుంచి ఆరు రోజుల పాటు ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం(ఎఫ్ డీపీ) ఆన్ లైన్ విధానంలో నిర్వహించనున్నట్లు ప్రిన్సిపల్ డాక్టర్

అధ్యాపకులు, పీజీ విద్యార్థులు, పరిశోధక విద్యార్థులు, పారిశ్రామికవేత్తలకు ఈ కార్యక్రమం ఎంతో ఉపయోగపడుతుందన్నారు. ఆసక్తి ఉన్న అటల్ పోర్టల్ ద్వారా నమోదు చేసుకోవచ్చన్నారు.

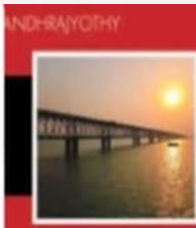
సాక్షి తూర్పుగోదావరి

ఆదివారం | 14 | సెప్టెంబర్ | 2025

15 నుంచి ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం

కంబాలచెరువు: ఏవసీటీఈ, అటల్ ఆధ్వర్యంలో ఆర్ట్స్ కళాశాలలో ఆరు రోజుల పాటు నిర్వహించనున్న ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం ఈనెల 15 నుంచి ప్రారంభమవుతుందని ప్రిన్సిపల్ డాక్టర్ రామచంద్ర ఆర్ కే శనివారం తెలిపారు. రేర్ ఎర్రోత్స్ అండ్ అడ్వాన్స్డ్ మెటీరియల్స్, క్రిటికల్ మినరల్స్ పై శిక్షణ కార్యక్రమం ఆన్ లైన్ ద్వారా కొనసాగుతుందన్నారు. అధ్యాపకులు, పీజీ విద్యార్థులు, పరిశోధక

విద్యార్థులు, పారిశ్రామికవేత్తలకు ఈ శిక్షణ కార్యక్రమం ఎంతో ఉపయోగకరంగా ఉంటుందని ప్రోగ్రాం కోఆర్డినేటర్లు డాక్టర్ పి.సురేఖ, డాక్టర్ డి.సంజీవ్ తెలిపారు. 13 మంది జాతీయ, అంతర్జాతీయ నిపుణులు ఉపన్యాసాలిస్తారని తెలిపారు. కార్యక్రమం కన్వీనర్లుగా టి శ్రీనివాసరావు, డాక్టర్ సీహెచ్ కామన్ లక్ష్మి, బి.వెంకట్రావు, అన్నపూర్ణ, రాజేశ్వరి వ్యవహరిస్తున్నారు.



ముగిసిన ఆన్లైన్ ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం



రాజమహేంద్రవరం అర్బన్, సెప్టెంబరు 21(ఆంధ్రజ్యోతి): రాజమహేంద్రవరం ప్రభుత్వ ఆర్ట్స్ కళాశాలలో ఏవనీటీఈ అటల్ నిర్వహించిన ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం ఆదివారం ముగిసింది. ఆన్లైన్లో రేర్ ఎర్ట్ అండ్ అడ్వాన్స్డ్ మెటీరియల్స్, క్రిటికల్ మినరల్స్ అనే ఆంశంపై దీన్ని నిర్వహించారు. ముగింపు కార్యక్రమంలో ఏవనీటీఈ అధికారులు, శీతంస్ డైరెక్టర్ మజ్జి శశిభూషణరావు, కళాశాల ప్రెసిపాల్ రామచంద్ర ఆర్కే, రిసోర్సు పర్సన్లు పాల్గొన్నారు.

రాష్ట్రంలోని వివిధ ఇంజనీరింగ్, డిగ్రీ కళాశాలల అధ్యాపకులు, ఇండస్ట్రీ, పీజీ విద్యార్థులు ఆన్లైన్ ద్వారా పాల్గొన్నారు. పలు ప్రతిష్టాత్మక కంపెనీల ప్రతినిధులు మాట్లాడారు. కళాశాల రసాయనశాస్త్ర, బౌతికశాస్త్ర, ఐక్యూఎస్ విభాగాల సంయుక్త ఆధ్వర్యంలో జరిగిన ఈ కార్యక్రమంలో ఎఫ్డీపీ సమన్వయకర్తలు సురేఖ, సంజీవ్ కుమార్, కన్వీనర్లు కెమిస్ట్రీ హెచ్ వో డి. శ్రీనివాసరావు, ఫిజిక్స్ హెచ్ వో డి. కోమలలక్ష్మి, వెంకటరావు తదితరులు పాల్గొన్నారు.





ముగిసిన ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రామ్



ప్రజాశక్తి - రాజమహేంద్రవరం

ప్రభుత్వ ఆర్ట్స్ కళాశాలలో ఈ నెల 15 నుంచి 20 వరకూ ఎఐసీటిఇ ఆధ్వర్యంలో ఆరు రోజులపాటు నిర్వహించిన ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రామ్ శనివారంతో ముగిసింది. ఆన్ లైన్ లో 'రేర్ ఎర్ట్ అండ్ అడ్వాన్స్డ్ మెటీరియల్స్, క్రిటికల్ మినరల్స్' అనే అంశంపై రసాయన శాస్త్ర, భౌతిక శాస్త్ర, ఐక్యూఎసి విభాగాల ఆధ్వర్యంలో విజయవంతంగా నిర్వహించారు. ఆరో రోజు ముగింపు కార్యక్రమంలో సీతంస్ డైరెక్టర్ మజ్జి శశిభూషణ్ రావు, మరియు కళాశాల ప్రెసిసిపల్ డాక్టర్ రామచంద్ర, రిసోర్స్ పర్సన్లు పాల్గొన్నారు. ఈ ఆరు రోజుల శిక్షణ కార్యక్రమంలో రాష్ట్రంలోని వివిధ ఇంజనీరింగ్, డిగ్రీ కళాశాలల అధ్యాపకులు, ఇండస్ట్రీ, పీజీ విద్యార్థులు సుమారు 260 మందికి పైగా హాజరయ్యారు. శిక్షణా కార్యక్రమంలో ప్రస్తుత పరిశోధన అంశాల గురించి గ్రీన్ ఎనర్జీ సస్టైనబులిటీ దాని ఆవిష్కరణలో సమస్యల పరిష్కారాలపై వివిధ నిపుణులతో చర్చించారు. ఈ కార్యక్రమంలో ఎఫ్ డి పి సమన్వయకర్తలు డాక్టర్ పి.సురేఖ, డాక్టర్ సంజీవ్ కుమార్, కన్వీనర్లు రసాయన శాస్త్ర విభాగాధిపతి టి.శ్రీనివాసరావు, భౌతికశాస్త్ర విభాగాధిపతి డాక్టర్ కోమల లక్ష్మి, బి.వెంకట రావు, కో ఆర్డినేటర్ డాక్టర్ ఎ.అన్నపూర్ణ, అకడమిక్ కో ఆర్డినేటర్ డాక్టర్ రాజేశ్వరి, తదితరులు పాల్గొన్నారు.

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THANK YOU!

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