



**AFMQSST-2026**

**2<sup>nd</sup>to4<sup>th</sup>April-2026**



**KONERULAKSHMAIAHEDUCATIONFOUNDATION**

**DeemedtobeUniversity**

**GreenFields, Vaddeswaram, Andhra Pradesh 522502.**

**International Conference on  
Advanced Functional Materials & Quantum  
Sciences for Sustainable & Smart Technologies**

**(AFMQSST-2026)**

**2<sup>nd</sup>to4<sup>th</sup>April-2026**

**Platform google meet:**

<https://meet.google.com/miz-eaci-gwb>

**Name of the Conference:** AFMQSST-2026 (Advanced Functional Materials and Quantum Sciences for Sustainable and Smart Technologies)

**Hosting Institute:** Department of Physics, KLEF-VJA.

**Venue:** Platform google meet-Hybrid mode

**Date:** 2<sup>th</sup> -4<sup>th</sup> April 2026

**Total Duration:** 3 Days

**No. of Resource Persons:** International=10 and National=11, Total=17

**Total Participants:** International:52 and National:640

**Total registration:** 62

### **Conference Completion Report**

#### **International Conference on Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies (AFMQSST-2026)**

**Organized by:** Department of Physics, Koneru Lakshmaiah Education Foundation (KLEF), Vaddeswaram, Andhra Pradesh, India

**Conference Dates:** 2nd – 4th April 2026

**Mode:** Hybrid Mode (Online & Offline)

---

### **1. Introduction**

The International Conference on Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies (AFMQSST-2026) was successfully organized by the Department of Physics, Koneru Lakshmaiah Education Foundation (KLEF), Vaddeswaram, Andhra Pradesh, India, from 2nd to 4th April 2026. The conference aimed to bring together researchers, academicians, scientists, industry professionals, and students to discuss recent developments in advanced functional materials and quantum sciences for sustainable and smart technologies.

The conference provided a platform for participants to exchange innovative ideas, share research findings, and foster collaborations in emerging areas such as quantum materials, nanotechnology, energy storage, renewable energy, and smart technologies.

---

### **2. Objectives of the Conference**

The major objectives of AFMQSST-2026 were:

- To provide a platform for researchers to present their latest research findings
- To promote interdisciplinary research in advanced functional materials
- To encourage collaboration among academia and industry

- To discuss recent advancements in quantum science and technologies
  - To promote sustainable and smart technological developments
- 

### **3. About the Organizing Institution**

Koneru Lakshmaiah Education Foundation (KLEF), established in 1980, is a premier institution recognized as Deemed to be University by UGC in 2009. The institution has strong academic and research infrastructure with emphasis on innovation, interdisciplinary research, and global exposure. The Department of Physics at KLEF offers postgraduate and doctoral programs in Physics and Nanoscience & Technology. The department is equipped with advanced research laboratories and has received funding from DST-FIST, DST-PURSE and various national agencies. The department has published over 500 research publications and holds several patents.

---

### **4. Conference Themes**

The conference focused on the following themes:

- Quantum Materials for Energy Systems and Sustainability
  - Materials for Green Energy Conversion and Storage
  - Nanomaterials and Low-Dimensional Structures for Advanced Devices
  - Bio-functional and Quantum Materials for Health and Medicine
  - Interdisciplinary Approaches to Energy Storage
- 

### **5. Conference Committees**

#### **Chief Patrons**

- Er. K. Satyanarayana, President, KLEF
- Er. K. L. Havish, Vice-President, KLEF
- Er. K. Raja Harin, Vice-President, KLEF

#### **Patrons**

- Dr. K. S. Jagannatha Rao, Pro-chancellor, KLEF
- Dr. G. P. S. Varma, Vice-Chancellor, KLEF
- Dr. A. V. S. Prasad, Pro Vice-Chancellor, KLEF
- Dr. N. Venkatram, Pro Vice-Chancellor, KLEF
- Dr. K. Rajasekhara Rao, Pro-Vice-Chancellor, KLEF
- Dr. K. Subba Rao, Registrar, KLEF

#### **Conference Chairman**

Dr. K. Swapna, HoD, Department of Physics, KLEF

**Convener**

Dr. M V V K Srinivas Prasad

**Co-Conveners**

Dr. Shaik Babu

Dr. M. Gnanakiran

---

**6. Conference Highlights**

- Three-day international conference conducted successfully
- Participation from national and international speakers
- 14 keynote lectures delivered
- Multiple oral presentation sessions conducted
- Hybrid mode participation from international delegates
- Networking and collaboration opportunities created

---

**7. Day-wise Report**

**Day 1: 2nd April 2026**

The first day of the conference began with registration followed by inauguration ceremony. The inaugural session was attended by distinguished guests, faculty members, researchers, and students.

**Inauguration**

The conference was inaugurated in the presence of dignitaries and keynote speakers. The welcome address was delivered by organizing committee members followed by inauguration speech by Chief Guest.

**Keynote Address**

Prof. Allam Srinivasa Rao, Vice Chancellor, Vikrama Simhapuri University delivered keynote address on "Development of Science in India".

**Technical Sessions**

Session 1 was chaired by Dr. K. Raghavendra Kumar. The session included keynote lecture by:

- Dr. C Subrahmanyam, IIT Hyderabad

Session 2 was chaired by Dr. M. Venkateswarlu. The keynote lectures were delivered by:

- Prof. Kaushik Pal
- Dr. Reeteesh Kumar Gangwar, IIT Tirupati

The first day concluded with student oral presentations.

---

### **Day 2: 3rd April 2026**

The second day started with technical sessions featuring keynote speakers from reputed institutions.

Session 3 chaired by Dr. Sk. Mahamuda included keynote lectures by:

- Dr. Sai Santosh Raavi, IIT Hyderabad
- Dr. J Suryanarayana, IIT Hyderabad
- Dr. Ateeq Ahmed

Session 4 chaired by Dr. Husnud included keynote lectures by:

- Dr. B Ravi Kumar
- Dr. Abhiram Soori, University of Hyderabad

The day concluded with oral presentations (OP4-OP6).

---

### **Day 3: 4th April 2026**

The third day included keynote lectures and valedictory session.

Session 5 chaired by Dr. A. Venkateswara Rao included keynote lectures by:

- Dr. Ramudu Machavarapu, NIT Andhra Pradesh
- Dr. Raju Butta (Online)
- Dr. Samiran Chattopadhyay

Session 6 chaired by Dr. K. Raghavendra Kumar included keynote lectures by:

- Dr. Sugali Pavan Kumar Naik (Online)
  - Dr. Md Naseer
- 

### **8. Valedictory Ceremony**

The valedictory session was conducted on 4th April 2026. The session summarized the outcomes of the conference and appreciated participants and organizers. Certificates were distributed to participants and presenters.

Vote of thanks was delivered by the Program Chair acknowledging all contributors.

---

### **9. Outcomes of the Conference**

- Exchange of research ideas
- Formation of research collaborations
- Exposure to advanced research trends
- Opportunities for joint research proposals
- Publication opportunities in indexed journals

---

## **10. Conclusion**

The International Conference AFMQSST-2026 concluded successfully with active participation from academicians, researchers, and students. The conference served as an excellent platform for knowledge exchange and collaboration in the field of advanced functional materials and quantum sciences. The organizing committee expressed gratitude to all speakers, participants, sponsors, and volunteers for making the conference a grand success.

---

## **11. Acknowledgment**

The organizing committee expresses sincere gratitude to the management of KLEF, speakers, participants, organizing members, volunteers, and sponsors for their valuable support and cooperation in successfully conducting AFMQSST-2026.

---

### **Prepared by:**

Organizing Committee

AFMQSST-2026

Department of Physics

KLEF, Vaddeswaram, Andhra Pradesh, India

**International Conference on Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies  
(AFMQSST-2026)**

**Theme: “Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies”**

**PROGRAMME SCHEDULE (First Day)**

Date/Time		2 <sup>nd</sup> April 2026 (Thursday)
9:30-10:00AM	Registration	
10:00-11:00AM	Inauguration	
11:00-11:15AM	<i>Hi-Tea</i>	
<b>Session 1</b>		
Chair	<b>Dr K Raghavendra Kumar</b>	
11.15AMto12.00PM	Keynote address by Chief Guest <b>Prof. ALLAM SRINIVASA RAO</b> Vice Chancellor, Vikrama Simhapuri University Title: Development of Science in India	
12.00PMto 01.00 PM	Keynote Lecture-1 <b>Dr C SUBRAHMANYAM</b> Professor, Department of Chemistry, IIT, Hyderabad, India	
1:00 to 02:00 PM	<i>Lunch</i>	
<b>Session 2</b>		
Chair	<b>Dr M Venkateswarlu</b>	
2:00to3.00PM	Keynote Lecture-2 <b>Prof. (Dr.) KAUSHIK PAL</b>	
3.00to4.00PM	Keynote Lecture-3 <b>Dr. REETEESH KUMAR GANGWAR</b> Department of Physics, IIT, Tirupati, AP	
3:45to4:00PM	<i>Hi-Tea(30min)</i>	
4.00to5.00PM	Keynote Lecture-4 <b>Student Presentations</b> Oral Presentations (OP1-OP3)	

**International Conference on Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies  
(AFMQSST-2026)**

**Theme: “Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies”**

**PROGRAMME SCHEDULE (Second Day)**

<b>Date/Time</b>		<b>3<sup>rd</sup> April 2026 (Friday)</b>
<b>Session 3</b>		
<b>Chair</b>	<b>Dr. SK. MAHAMUDA</b>	
<b>10.00AM to 11.00PM</b>	<b>Keynote Lecture-5</b> <b>Dr SAI SANTOSH RAAVI</b> Professor, Department of Physics, IITH, Hyderabad	
<b>11.00PM to 12.00 PM</b>	<b>Keynote Lecture-6</b> <b>Dr J SURYANARAYANA</b> Department of Physics, IITH, Hyderabad	
<b>12:00 to 12:15PM</b>	<i>Hi-Tea(15Min)</i>	
<b>12.15 to 1:15 PM</b>	<b>Keynote Lecture-7</b> <b>Dr. ATEEQ AHMED</b>	
<b>01:15 to 2:15 PM</b>	<i>Lunch</i>	
<b>Session 4</b>		
<b>Jasmine Hall</b>		
<b>Chair</b>	<b>Dr Husnud</b>	
<b>2:15 to 3.00PM</b>	<b>Keynote Lecture-8</b> <b>Dr B Ravi Kumar</b>	
<b>3.00 to 4.00PM</b>	<b>Keynote Lecture-9</b> <b>DR ABHIRAM SOORI</b> Assistant Professor, School of Physics, University of Hyderabad, Hyderabad	
<b>4.00 to 5.00PM</b>	<b>Oral Presentation (OP4-OP6)</b>	

**International Conference on Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies  
(AFMQSST-2026)**

**Theme: “Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies”**

**PROGRAMME SCHEDULE (Third Day)**

<b>Date/Time</b>		<b>4<sup>th</sup> April 2026 (Saturday)</b>
<b>Session 5</b>		
<b>Chair</b>	<b>Dr. A.Venkateswara rao</b>	
<b>10.00AMto11.00PM</b>	<b>Keynote Lecture-10</b> <b>Dr. RAMUDU MACHAVARAPU</b> Assistant Professor, School of Science, NIT, Andhra Pradesh	
<b>11.00PMto 12.00 PM</b>	<b>Keynote Lecture-11 (online)</b> <b>Dr RAJU BUTTA</b>	
<b>12:00 to 12:15PM</b>	<i>Hi-Tea(15Min)</i>	
<b>12.15 to 1:15 PM</b>	<b>Keynote Lecture-12</b> <b>Dr. SAMIRAN CHATTOPADHYAY</b>	
<b>01:15 to 2:15 PM</b>	<i>Lunch</i>	
<b>Session 6</b>		
<b>Jasmine Hall</b>		
<b>Chair</b>	<b>Dr K Raghavendra Kumar</b>	
<b>2:15 to 3.00PM</b>	<b>Keynote Lecture-13 (online)</b> <b>Dr. SUGALI PAVAN KUMAR NAIK</b>	
<b>3.00 to 4.00PM</b>	<b>Keynote Lecture-14</b> <b>DR Md NASEER</b>	
<b>4.00 to 5.00PM</b>	<b>Hi-Tea followed by Valedictory ceremony.</b> <b>Vote of thanks by Program Chair</b>	

**BROCHURE**



The brochure cover features a dark blue background with a glowing green and purple hexagonal molecular structure on the left. In the center, there is a glowing globe with a lightning bolt symbol, and to its right, a green leaf icon. The background also includes faint circuit board patterns and a city skyline on the right side.

 | Department of  
**Physics**

**45 YEARS OF EDUCATIONAL LEADERSHIP**  **NATIONAL IN-PROGRESS**  **RANKED 28 AMONG ALL UNIVERSITIES**

International Conference on

**Advanced Functional Materials &  
Quantum Sciences for Sustainable &  
Smart Technologies**

**2<sup>nd</sup> to 4<sup>th</sup> April - 2026**

**Koneru Lakshmaiah Education Foundation**  
(Deemed to be University)  
Vaddeswaram- 522302, Andhra Pradesh, India.  
<https://www.kluniversity.in/>

### **KONERU LAKSHMAIAH EDUCATION FOUNDATION (KLEF)**

Koneru Lakshmaiah Education Foundation (KLEF) is a premier educational institution that was established as KL College of Engineering in 1980-81. Recognized as a Deemed to be University by the UGC in 2009, KLEF has consistently achieved top national and international rankings and accreditations. KLEF offers a diverse range of programs across various disciplines, fostering an environment of academic, research, and innovation excellence. With state-of-the-art infrastructure, distinguished faculty, and cutting-edge research, the institution is committed to creating the next generation of global leaders and professionals, with an emphasis on holistic development and global exposure. The institution's strong placement record, in collaboration with top companies worldwide, ensures that students are well-prepared to excel in their careers.

### **About Department of Physics**

The Department of Physics was established in the year 1980. The department offers M. Sc Physics and M. Sc Nano Science & Technology, and Ph.D. program in interdisciplinary research areas. The department is functioning with 13 highly experienced and qualified Doctoral faculty obtained Ph.D.'s from reputed National Institutions/Universities. Faculty are also having post-doctoral research experience from different countries over several years. Research work in the department is being carried out in various fields like Materials Science, Solar renewable energy, Nanotechnology, Space and Atmospheric Science, Theoretical and Computational Physics, Ultrasonic's and chemical thermodynamics. The department had 4 fully equipped sophisticated research labs of worth Rs. 3.5 Crores. The department is recognized as DST-FIST Level 1 department with grant of Rs.107 lakhs funded by the Department of Science and Technology, Govt. of India, New Delhi. The department also granted with good number of sponsored research projects of worth Rs. 3 crores under different schemes such as DST woman scientist scheme, young scientist scheme, early career research award, SERB-Start up research grant, Core research grant and international travel support. Recently the department of Physics and ECE bagged with a sponsored research project worth of Rs. 7 crores under DST-PURSE scheme to enhance infrastructure and research facilities in the university. The department has published more than 500 research publications in highly reputed international journals with high impact factor. The department faculty have published 20 patents and book chapters. Faculty from the department awarded with Associate Fellow of AP Academy of Sciences, Amaravathi. The department faculty recognized as Top 2% renowned scientist in the world awarded by the Stanford University, California, USA.

### **IMPORTANCE AND SCOPE OF THE CONFERENCE**

#### **Objectives:**

The objectives of the proposed International Conference "*Advanced Functional Materials and Quantum Sciences for Sustainable and Smart Technologies AFMQSST 2026*" is to create a conducive platform for researchers, scientists, engineers, and scholars to culminate these two fields to accelerate sustainable and technological breakthroughs. AFMQSST 2026 will try to exchange ideas on top notch research in designing and synthesizing novel functional materials with tailor made properties for addressing challenges in sustainability, like refining energy efficiency and resource management. AFMQSST 2026 will facilitate budding researchers to engage in knowledge-sharing, professional development, and exposure to world-class expertise. The conference will help to discuss the recent developments in quantum computing, sensing and communication, to transform sciences into sustainable and smart technologies. Through cross-disciplinary collaboration, we strive to turn groundbreaking scientific

insights into tangible innovations that benefit society. The goal of the conference is to design, to innovate, maximize material efficiency, and align with worldwide efforts to build a sustainable and intelligent tech-driven future.

### Outcomes:

One of the basic outcomes of AFMQSST 2026 is to identify the emerging trends in the synthesis and design of novel advanced functional materials, those aimed in enhancing energy efficiency, environmental sustainability, and electronic performance. Along with the keynote speakers the participants can present their research studies and innovations in quantum materials, nanoscale devices, and hybrid systems that have potential applications in renewable energy, smart sensors, quantum computing, and next-generation communication technologies. The broad outcome of the conference is collaborative research consortia among participating universities and industry partners, resulting in submitting of joint proposals to both national and international funding agencies which will create a path for researchers and faculty members for getting internships and faculty exchange programmes among various laboratories. The purpose of this conference is publishing of research papers in high impact journals.

### Call for Papers

AFMQSST 2026 invites full-length original research articles from faculty, scientist, research scholars, and industry professionals from across the world. Research articles and review papers not exceeding twelve pages in a single column format shall be submitted. The manuscripts should not have been published or under review in any of the journals or conference proceedings. Further, the manuscript should contain the name, e-mail id of the corresponding author and affiliation of co-authors. The organizing committee of the conference invites research manuscripts on the following areas and related topics

### Themes:

- **Quantum Materials for Energy Systems and Sustainability**
- **Materials for Green Energy Conversion and Storage**
- **Materials Informatics and Artificial Intelligence in Materials Science**
- **Nanomaterials and Low-Dimensional Structures for Advanced Devices**
- **Bio-Functional and Quantum Materials for Health and Medicine**
- **Interdisciplinary Approaches to Energy Storage**

### Publication

All the accepted papers will be published in conference proceedings with International Standard Book Number (ISBN) and selected papers will be published in SCI and SCOPUS indexed journals.

1. Journal of advanced research design (Q1, WoS, Scopus)
2. Proceedings on engineering sciences (Q3, WoS, Scopus)

### Abstract Submission

Perspective authors are encouraged to present their original, unpublished research work, and the selected abstracts will be called for Oral presentations. Abstract up to 300 words in Times New Roman with font size 12pts, 1.5 line spacing may be submitted in .doc/docx file with the author's name (presenting author name to be underlined), affiliation and corresponding author email ID, by 10th February 2026.

Submit your abstract to: [afmqsst2025@kjuniversity.in](mailto:afmqsst2025@kjuniversity.in)

### Registration Fee includes:

- Registration Kit
- Access to all Keynote addresses and technical sessions (Hybrid Mode)
- Participation and presentation (poster/oral) certificates
- Nominal accommodation charges will be paid by participants; however, food facility will be catered by conference organizers

Participation	Registration Fee	
	National	International
Student	INR 500	USD 15
Research Scholar	INR 1000	USD 25
Faculty/Scientist	INR 1500	USD 40
Industry	INR 4000	USD 50

### Online Payment Details:

Account Name: KL University – Sponsored Research Funds / [KLU-SR-036]

SCAN & PAY



### Registration Link:

<https://forms.gle/CJpQBhF1p2xdP9Ak9>

(After the completion of Payment, register for the program through the given link with payment proof)

### Important Dates

Last date for registration: 25<sup>th</sup> March 2026  
Last date for abstract submission: 28<sup>th</sup> March 2026  
Last date for paper submission: 28<sup>th</sup> March 2026  
Conference dates: 2<sup>nd</sup> to 4<sup>th</sup> April 2026

### For more information Contact

**Dr. Shaik Babu**

Co-Convener

Email: [babu.computers@kluniversity.in](mailto:babu.computers@kluniversity.in)

Cell: +91 9293389896

**Dr. M V V K Srinivas Prasad**

Convener

Email: [mutyasrinivas@kluniversity.in](mailto:mutyasrinivas@kluniversity.in)

Cell: +91- 9985336448

**Dr. M. Gnanakiran,**

Co-Convener –

Email: [gnanakiran@kluniversity.in](mailto:gnanakiran@kluniversity.in)

Cell: +91 9908397966

### Conference Website:

<https://www.kluniversity.in/physics/AFMQSST-2026/>

### International Advisory committee

**Prof. Balakrishnan Ramalingam**

Researcher, Project Engineer, Singapore University of Technology & Design (SUTD)  
SINGAPORE 487372

**Dr. Mohammad Nasir**

Professor, Dankook University, South Korea

**Dr Pavan Kumar Gondrala**

Assistant Professor of Research, Chemistry & Biochemistry, The University of Texas.

**Dr. Rama krishna Chava**

Assistant professor, Department of Chemistry, Yeungnam University, South korea.

**Prof. Nouredine Ouerfelli,**

University of Dammam, Maitre de Conf rence, Universit  de Tunis El Manar.

**Prof. Ha sie tiong,**

Department of Chemical Science, Universiti Tunku Abdul Rahman, Jalan University, Malaysia.

### National Advisory Committee

**Dr. Srinivas Rao Allam,**

Vice Chancellor, Vikrama Simhapuri Univesity

**Dr. G Vijaya Prakash,**

Professor, Department of Physics, IIT Delhi.

**Dr. Ch Subrahmanyam,**

Professor, Department of Chemistry, IIT  
Hyderabad.

**Dr. Y Sundarayya,**

Professor, Department of Physics, Nagaland  
University.

**Dr. Rakesh Tripathi,**

Professor in CSE, NIT, Reipur.

**Dr Vijaya Kumar Kambila**

Professor, Department of Physics, Dayananda  
Sagar University

**Dr. S. Balakumar,**

Professor in Nanoscience's and Nanotechnology,  
University of Madras, Tamil Nadu.

**Dr. Tanujjal Bora Director (Interim)**

Center of Excellence in Nanotechnology, Asian  
Institute of Technology, Thailand.

**Prof. J. Suryanarayana**

Professor, Dept. of Physics,  
IIT Hyderabad, Telangana.

**Prof. C. Vijayan**

Professor, Department of Physics, IIT Madras,  
Chennai.

**Prof. M. V. Shankar**

Professor, Department of Material Science and  
Nanotechnology, Yogi Vemana University, Kodapa

**Dr K Samatha**

Professor, Department of Physics,  
Andhra University, AP. India.

### Chief Patrons

**Er. K. Satyanarayana, President, KLEF**

**Er. K. L. Havish, Vice-President, KLEF**

**Er. K. Raja Harin, Vice-President, KLEF**

---

### **Patrons**

Dr. K. S. Jagannatha Rao, Pro-chancellor, KLEF  
Dr. G. P. S. Varma, Vice-Chancellor, KLEF  
Dr. A. V. S. Prasad, Pro Vice-Chancellor, KLEF  
Dr. N. Venkatram, Pro Vice-Chancellor, KLEF  
Dr. K. Rajasekhara Rao, Pro-Vice-Chancellor, KLEF  
Dr. K. Subba Rao, Registrar, KLEF  
Dr. BTP. Madhav, Dean R&D, KLEF  
Dr. V Rajesh, Principal, KLEF COE  
Dr. M. Suman, Director R & E, KLEF  
Dr. A. Jagadeesh – Director - FED, KLEF  
Dr. Buchi N. Nalluri – Director - Life Sciences, R&D, KLEF  
Prof. Hari Kiran Vege – Additional Dean Academics, KLEF  
Dr. V. Srikanth – Dean, F&SA, KLEF  
Dr. V Krishna Reddy, Principal FED, KLEF  
Dr. A. Srinath - Dean Skill & Student Progression, KLEF  
Dr. K. Ramakrishna, Dean- Quality, KLEF  
Dr. M. Kishore Babu Dean MHS, KLEF  
Dr. A.S.C.S. Sastry, Controller of Examinations, KLEF

### **Conference Chairman (General Chair)**

Dr. K. Swapna, HoD, Department of Physics, KLEF

### **Convener**

Dr. M V V K Srinivas Prasad, Department of Physics, KLEF.

### **Co-Conveners**

Dr. M. Gnana Kiran, Department of Physics, KLEF.  
Dr. Shaik Babu, Department of Physics, KLEF.

### **Publication Chair**

Dr. Sk Mahamuda, Associate Professor, Physics.  
Publication Committee  
Dr. M Venkateswarlu, Associate Professor, Physics.  
Dr. A Venkateswara Rao, Associate Professor, Physics.

### **PR Committee**

Dr. K Raghavendra Kumar, Associate Professor, Physics.

### **Technical Committee**

Dr. N S M P Latha Devi, Associate Professor.  
Dr. G Sunita Sundari, Associate Professor, Physics.  
Dr. Sk Mahamuda, Associate Professor, Physics-  
Dr. K Raghavendra Kumar, Associate Professor, Physics.  
Dr. M Venkateswarlu, Associate Professor, Physics.  
Dr. A Venkateswara Rao, Associate Professor, Physics.  
Dr. Shanmugan, Assistant Professor, Physics.  
Dr. Husnud Jahan, Assistant Professor, Physics.  
Dr. Sudeesh Kumar Rajput, Assistant Professor, Physics.  
Dr. Naveen Kumar, Assistant Professor, Physics.

### Registration Committee

Dr. G Sunita Sundari, Associate Professor, Physics  
Dr Husnud Jahan, Assistant Professor, Physics.  
Hospitality & Local Arrangement Chair  
Dr. K. Raghavandra Kumar, Physics, KLEF  
Dr. A Venkateswara Rao, Associate Professor, Physics.

### Invited Speakers

#### International Speakers

**Dr. Mohammed Sultan Al-Buriah**

Sakarya University, Turkey

**Dr. Fadl Abdelmonem Essa**

Professor, Mechanical Engineering Department,  
Faculty of Engineering, Kafrelsheikh University,  
Egypt.

**Dr. Ammar Elsheikh**

Professor, Renewable Energy, Tokyo University,  
Japan

**Dr. Mohammad Nasir**

Professor, Dankook University, South Korea  
nasir2alig@gmail.com

**Dr. Ateeq Ahmed,**

Professor, Smart Mobility Department,  
Kyungpook National University, South Korea

**Dr. Shiva Gorjian**

Professor, Department of Biosystems Engineering  
and Department of Renewable Energy, Tarbiat  
Modares University (TMU), Tehran, Iran.

**Dr Pavan Kumar Condrala**

Assistant Professor of Research, Chemistry &  
Biochemistry, The University of Texas.

**Raju Botta, Ph.D.**

Researcher, National Science and Technology  
Development Agency (NSTDA), Thailand.

**Dr. Ravi Kumar Bandapelli**

Experimental Condensed Matter Physics Scientist  
Pittsburgh, P A.

**Dr. S Pavan Kumar Naik**

R&D Manager, Furnitec Corporation, Japan.

#### National Speakers

**Dr. Sai Santosh Kumar Raavi**

Professor, Department of Physics, IIT Hyderabad.

**Dr. Ch Subrahmanyam, Professor,**

Department of Chemistry, IIT Hyderabad.

**Dr D. Pamu**

Professor, Indian Institute of Technology  
Guwahati

**Dr. Y. Sundarayya**

Professor, Department of Physics, Nagaland  
University.

**Dr. V Vasu**

Associate Professor, Department of  
Computational Physics, Maduri Kamaraj  
University.

**Dr. Reeteesh Kumar Gangwar,**

Associate Professor, Dept of Physics, IIT Tirupati

**Dr. Naga Prasad Puvvada**

Associate Professor, Department of Chemistry,  
VIT-AP.

**Dr. Ramudu Machavarapu,**

Assistant Professor, School of Science, NIT, Andhra  
Pradesh

**Dr. A. Venkateswarlu,**

Associate Professor, Dept of Physics, NIT  
Tiruchirapalli

**Dr Anupam Mishra**

Assistant Professor Department of Ceramic  
Engineering Nit Rourkela

**Dr Pooja Punetha**

Materials Engineering department IISc, Bangalore

**Dr Abhi Ram Soori**

Assistant Professor, School of Physics. UoH

**Prof. J. Suryanarayana**

Professor, Dept. of Physics,  
IIT Hyderabad, Telangana.

**Dr. Samiran Chattopadhyay**

Vice Chancellor and Professor  
Techno India University, West Bengal

## Chief Guest



**Prof. A. SRINIVASA RAO**

**Vice Chancellor**  
**Vikrama Simhapuri Univesity**  
Andra Pradesh, India.

## Guest of Honour



**DR. K. S. JAGANNATHA RAO**

**Pro-chancellor**  
**Koneru Lakshmaiah Education Foundation**  
Andra Pradesh, India.

---

**nirf NATIONAL INSTITUTIONAL  
2025 RANKING FRAMEWORK**  
(Ministry of Human Resource Development, Govt. of India)



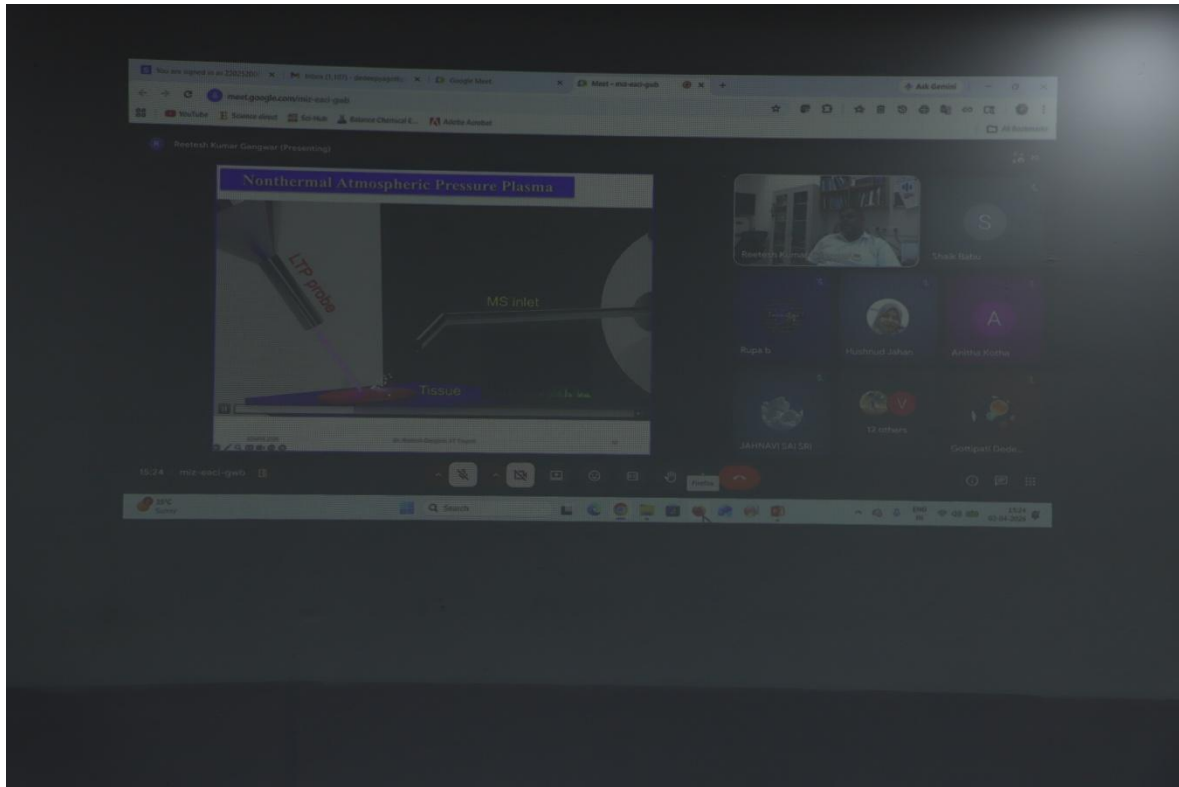
Includes IIT's, IIM's, IIIT's, IISc, NIT, State & Central Govt. Institutions

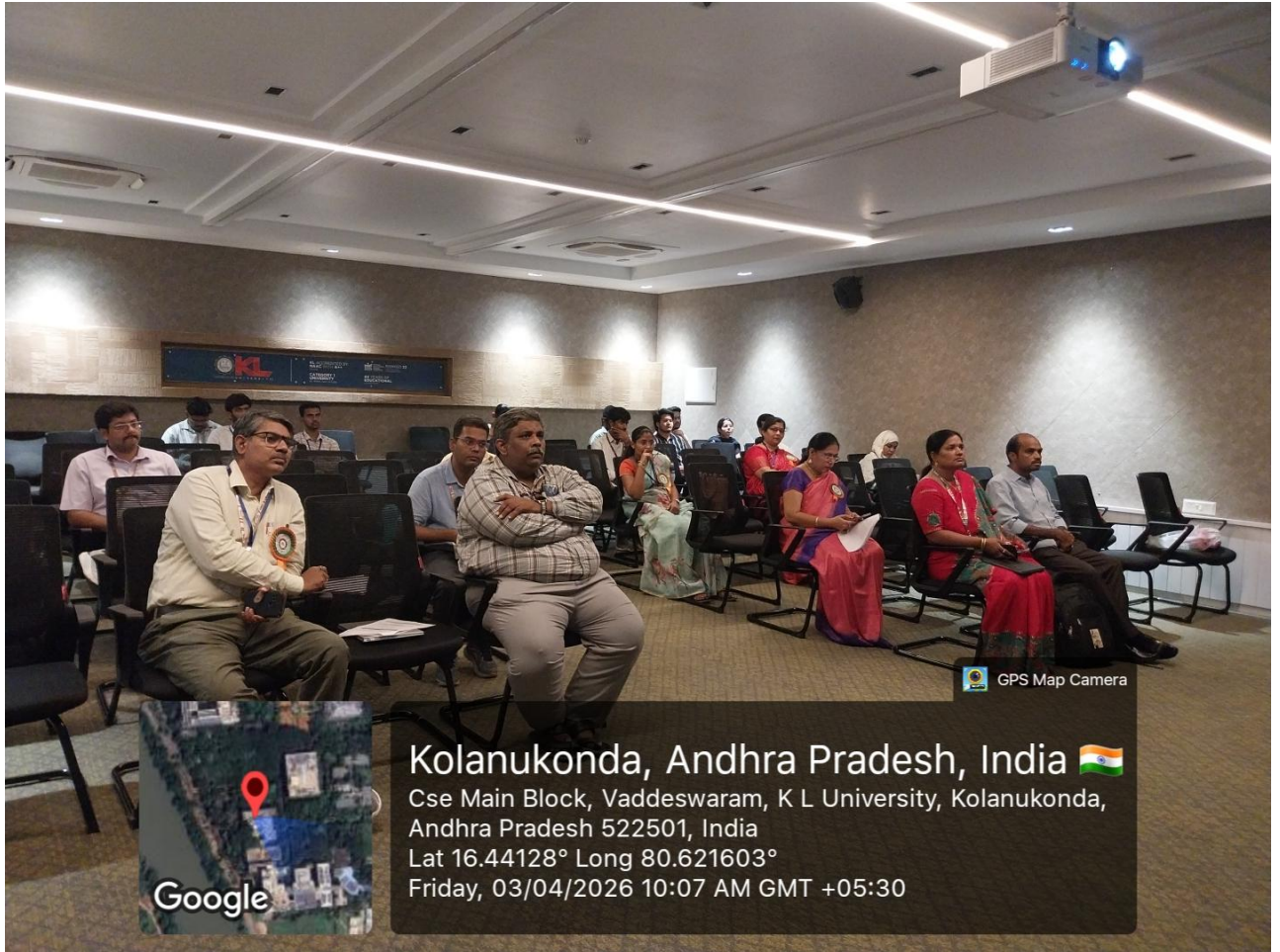
**nirf-Innovation** RANK BAND 11- 50  
National Institutional Ranking Framework for Innovation  
Ministry of Education, Government of India











కాగా ఉండవల్ల అలుగుయివతి గుంటూరు వార్ల కవచం నల నాగవగు వజయిరాజు అల

## కేఎల్ యూలో ముగిసిన క్వంటం సైన్సెస్ అంతర్జాతీయ సదస్సు



ఎఫ్ ఈడీ ప్రిన్సిపాల్ డాక్టర్ కృష్ణారెడ్డిని సత్కరిస్తున్న భౌతికశాస్త్ర విభాగాధిపతి స్వప్న తదితరులు

తాడేపల్లి, ఏప్రిల్ 5 (ఆంధ్రజ్యోతి): తాడేపల్లి మండలం వడ్డేశ్వరంలోని కేఎల్ డీమ్డ్ యూనివర్సిటీలో మూడు రోజులపాటు జరిగిన అంతర్జాతీయ సదస్సు ఆదివారం ముగిసింది. సుస్థిర స్కార్డ్ టెక్నాలజీల కోసం అధునాతన ఫంక్షనల్ మెటీరియల్స్, క్వంటం సైన్సెస్ (ఎఎఫ్ఎంక్యూఎస్ఎస్-2026) పేరుతో అంతర్జాతీయ సదస్సు నిర్వహించారు. ఈ సదస్సులో మెటీరియల్ సైన్స్ క్వంటం టెక్నాలజీ ఏఐ ఆధారిత ఆవిష్కరణలపై చర్చ నిర్వహించారు. ఎన్ఐటీ ఏవీకి చెందిన డాక్టర్ ఎం రాముడు మాట్లాడుతూ హ్యూస్టన్ మెటీరియల్స్ పర్ ఇండ్రోనిక్ అప్లికేషన్స్ అనే ఆంశంపై తక్కువ శక్తితో అతివేగంగా పని చేసే ఎలక్ట్రానిక్ పరికరాలకు ఈ పదార్థాలు ఎలా ఉపకరి

స్తాయనే అంశాన్ని వివరించారు. ఇది రాబోయే తరానికి చెందిన కంప్యూటింగ్ శక్తి సామర్థ్య డేటా నిల్వకు మార్గదర్శి అని వివరించారు. థాయ్ లాండ్ కు చెందిన ఎస్ఎస్టీడీఎ ప్రతినిధి డాక్టర్ రాజు బొట్ట మాట్లాడుతూ ప్రమ్ ప్లాస్టోనిక్ హాట్ స్పాట్స్ టూ ఇంటెలిజెంట్ స్పాక్స్ స్కోపిపై ప్రసంగించారు. ఎఫ్ ఈడీ ప్రిన్సిపాల్ వికృష్ణారెడ్డి మాట్లాడుతూ అంతర్క్రమ శాస్త్ర సహకారం అవసరాన్ని వివరించారు. ఈ కార్యక్రమంలో సదస్సు చైర్మన్ ర్లన్ కె.స్వప్న, కన్వీనర్ ఎంవీవీకే శ్రీనివాస ప్రసాద్, కో కన్వీనర్లు ఎం జ్ఞానకిరణ్, షేక్ బాబు, టెక్నో ఇండియా యూనివర్సిటీ వీసీ సమీరం చటర్జీ, దక్షిణ కొరియాకు చెందిన క్యుంగ్ గ్యాక్ నేషనల్ యూనివర్సిటీకి చెందిన ప్రతినిధి అతిక్ అహ్మద్, జపాన్ కు చెందిన ప్యూమిటెక్ కార్పొరేషన్ ప్రతినిధి సుగళి వవన్ కుమార్, ఎఫ్ ఈడీ డైరెక్టర్ ఏ జగదీష్, ఆర్ అండ్ డీ డీన్ బీటీపీ మాధవ్, ప్రోవీసీ జగన్నాధరావు, వీసీ సారధివర్మ, ప్రోవీసీలు వెంకట్రామ్, రాజశేఖరరావు, ప్రసాద్, రిజిస్ట్రార్ కె. సుబ్బారావు, విద్యార్థి సంక్షేమ విభాగం డీన్ కేఆర్ఎస్ ప్రసాద్, ఎంహెచ్ఎస్ డీన్ ఎం కిషోర్ బాబు, శ్రీనాథ్ తదితరులు పాల్గొన్నారు.

కెఎల్ యూలో ముగిసిన క్వంటం సైన్సెస్ అంతర్జాతీయ సదస్సు