



**FACULTY DEVELOPMENT PROGRAM (FDP)**  
**ON**  
**“QUANTUM ENABLED SCIENCE AND TECHNOLOGY”**  
**(QUEST-2024)**



during 20<sup>th</sup> -24<sup>th</sup> May 2024

Organized by **Dept. of Physical Sciences**  
**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL**  
in association with

**CENTRE FOR TRAINING AND LEARNING, NIT WARANGAL**

(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

**Preamble:**

The Centre for Training and Learning (CTL) has been established at NIT Warangal under “Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)”. Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities and training halls to train the faculty in various theme areas of Science and Technology, Humanities and Social-sciences etc. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in- service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include offering online courses, curriculum design, carrying out research in educational technology and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

**About FDP:**

Department of Physical Sciences, KITSW is organizing a multidisciplinary **online** Faculty Development Program (FDP) in association with CTL, NIT Warangal on “Quantum enabled Science and Technology (QUEST-2024)” for the Faculty/Teachers/Research Scholars/PG Students. This program plays a vital role in keeping educators abreast of the latest advancements in their fields. The main objective of the FDP is to empower the participants with the knowledge and skills to leverage Quantum Science and Technologies in their teaching, research, and professional development endeavors.

**Thrust Areas:**

- Exploring Quantum Science and Technology (In everyday life)
- Introduction to Quantum computing
- Quantum Chemistry- Molecular Simulation
- Nano materials for sensor applications
- Nano structured thin films and its Applications
- High efficiency energy conversion- Solar cells
- Quantum Optics - Nano Photonics
- Health care solutions: Medical IoT devices and sensors
- Energy storage materials: Batteries and Supercapacitors
- Quantum transportation in Nano Electronic Devices

**Invited speakers/Resource persons:**

Lectures in this program will be delivered by resource persons from universities and institutes abroad, as well as centrally funded institutions such as IISc, IITs, NITs, DIAT, IICT, etc.

**Registration Fee Particulars:**

<b>Faculty</b>	<b>Rs.1000/-</b>
<b>Students/Research Scholars</b>	<b>Rs.500/-</b>
<b>Industry Participants</b>	<b>Rs.2000/-</b>

Participants need to pay the registration fee online using the following details

<b>Online Transfer Details</b>
Account Name : <b>Head, CTL NITW</b>
A/C No : <b>40376545007</b>
IFSC : <b>SBIN0020149</b>
Bank and Branch: <b>SBI, NIT (REC) Warangal</b>

**How to apply:**

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/ZqdW2xmVdtu7dmAX9>

Selection will be done based on first-come-first-serve basis with a maximum number of 60(sixty) participants. Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

**Important dates:**

<b>Last date (Application &amp; Payment)</b>	<b>19-05-2024 @ 11am</b>
<b>Selection List by E-mail</b>	<b>19-05-2024 @ 8pm</b>
<b>FDP Duration (5days)</b>	<b>20<sup>th</sup> -24<sup>th</sup> May 2024</b>

**About NIT Warangal:**

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight under graduate and 31 post-graduate programs besides doctoral programmes. It is a residential campus with excellent infrastructure.

**About Kakatiya Institute of Technology and Science:**

Kakatiya Institute of Technology & Science, Warangal popularly known as KITSW, is a 44 years old institute, was established in 1980 by Ekasila Educational Society (EES), Warangal. KITSW is approved by AICTE, New Delhi and recognized by the UGC under section 2(F) and 12(B) of UGC act 1956. The UGC, New Delhi granted autonomous status in 2014 under Kakatiya University (KU), Warangal and extended autonomy for a period of 5 years from AY. 2021-22 to AY. 2025-26. It is accredited by NAAC with 'A' grade (CGPA:3.21).



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SPONSORSHIP CERTIFICATE

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6. Payment Details :  
Reference No:  
Amount:  
Bank :  
Date:

Dr./Mr./Ms.....is an employee of our  
Institute/Organization and is hereby sponsored to participate  
in the FDP on QUEST-2024 through **online mode** organized  
by Dept. of Physical Sciences, KITSW in association with CTL,  
NITW during **20<sup>th</sup> -24<sup>th</sup> May 2024.**

**Signature of Head of Institution (with seal)**

**Address for correspondence:**

**Dr. Bunty Roy (Coordinator)**

Asst. Prof. of Physics, Dept. of PS, KITSW

Email: [brr.pss@kitsw.ac.in](mailto:brr.pss@kitsw.ac.in)

Ph. No: 9703541372

**Dr. Ch. Sateesh Chandra (Coordinator)**

Assoc. Prof. of Physics, Dept. of PS, KITSW

Email: [chsc.pss@kitsw.ac.in](mailto:chsc.pss@kitsw.ac.in)

Ph. No: 8328644650

**Dr. K. Srinivas (Co-Coordinator)**

Asst. Prof. of Physics, Dept. of PS, KITSW

It is requested to all the participants, after completion of the  
application form, all the payment details, screenshot of the  
payment and scanned application form must be uploaded in the  
following **online registration link**.

**Registration Link:** <https://forms.gle/ZqdW2xmVdtu7dmAX9>

For more details about CTL, NITW

please visit: <https://nitw.ac.in/>

**Organizing committee:**

Dr. N. Maramu

Dr. K. Rajendra Prasad

Dr. V. Prashanth Kumar

Dr. P. Srinivas Rao

Dr. D. Madhavi Latha

Dr. A. N. Mallika

7. Address for Correspondence:

8. Educational Qualifications:

9. Experience(in years):

Teaching:                  Research:                  Industry:

**Declaration**

The information provided is true to the best of my knowledge. If  
selected, I agree to abide by the rules and regulations of the FDP  
and shall attend the course for the entire duration. I also  
undertake the responsibility to inform the coordinator, in case, I  
am unable to attend the course.

**Date:**

**Place:**

**Signature of the Applicant**

**Advisory committee:**

Dr. T. Madhukar Reddy

Dr. H. Ramesh Babu

Dr. M. Ranadheer Kumar

Dr.M.Gopi Krishna

**Dr. D. Prabhakara Chary**  
*Convener & HoD, PS, KITSW*

**Prof. M. Komal Reddy**  
*Registrar, KITS Warangal*

**Prof. K. Ashoka Reddy**  
*Principal, KITS Warangal*

**Prof. T. Kishore Kumar**  
*Head, CTL, NIT Warangal*