

## COURSE CONTENT

- Green Composite, Smart Materials,
- Advance materials, Tribology,
- Nano materials and
- Advanced manufacturing Processes.

## TECHNICAL EXPERTS

- **Dr. Aswani Kumar Bandaru**  
Bernal Institute, University of Limerick,  
Ireland (Senior Scientist).
- **Dr. G Srinivasu**  
Assistant Professor, Mechanical Engg. Dept.  
NIT Raipur
- **Dr. G. Raghavendra**  
Assistant Professor, Mechanical Engg. Dept.  
NIT Warangal
- **Dr. Simanchal Kar**  
Assistant Professor, Mechanical Engg. Dept.  
NIT Silchar
- **Dr. B.V.V.L Deepak**  
Assistant Professor, Industrial Engg. Dept.  
NIT Rourkela
- **Dr. K. Eswaraiah**  
Professor, Mechanical Engg. Dept.  
KITS, Warangal
- **Dr. K. Raja Narendra Reddy**  
Professor, Mechanical Engg. Dept.  
KITS, Warangal
- **Dr. P. Srikanth**  
Professor, Mechanical Engg. Dept.  
KITS, Warangal
- **Dr. U. Shrinivas Balraj**  
Professor, Mechanical Engg. Dept.  
KITS, Warangal
- **Dr. A. Deva Raju**  
Associate Professor, Mechanical Engg. Dept.  
KITS, Warangal



NAAC - 'A' Grade Accredited  
Institute with a CGPA of 3.21



MHRD NIRF-2020  
Rank Band: 201-250

ISO  
9001-2015

ALUMNI  
KITSWAA

AICTE-CII SURVEY OF INDUSTRY Linked Technical Institutions KITSW ranked as "GOLD CATEGORY" Institution for 2015, 2016, 2017, 2018 & 2019



**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE**  
Warangal – 506 015, Telangana, INDIA (An AUTONOMOUS INSTITUTE under Kakatiya University, Warangal)

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान  
వరంగల్ - 506 015, తెలంగాణ, భారతదేశం



*ISTE Sponsored*

*One Week*

## Online Faculty Development Programme

On

## EMERGING TRENDS IN ADVANCED MATERIALS & MANUFACTURING PROCESSES (ETAMMP-2021)

12- 16 July 2021

Timings : 3:30PM to 6:30PM



**Organized by**

Department of Mechanical Engineering  
Kakatiya Institute of Technology & Science Warangal-506015  
(An Autonomous Institute under Kakatiya University, Warangal)  
Tel:0870-2564888, Fax:0870-2564320; Website: www.kitsw.ac.in

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[fdp.etamp@gmail.com](mailto:fdp.etamp@gmail.com)

## ABOUT THE INSTITUTE

Kakatiya Institute of Technology & Science, Warangal popularly known as KITSW, was established in 1980 by Ekasila Education Society (EES), Warangal, a philanthropic society, with a primary objective of providing quality technical education. KITSW is approved by the 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. It is accredited by NAAC with 'A' grade (CGPA: 3.21/4.0). The Government of India's NIRF-2020 placed KITSW in the **rank band 201-250**. The Ministry of MSME, Government of India recognized KITSW as **Host Institute** to setup **Business Incubator**. The AICTE-CII Survey of Industry Linked Technical Institutes ranked KITSW as **GOLD CATEGORY institute** for the 6<sup>th</sup> consecutive year since 2015. The industry institute interaction cell of the institute has collaboration and MoU with NIT Warangal in the areas of teaching & learning, research & development.

Located in 65 acres of lush green sprawling campus, KITSW is one of the premier technical institutes in Telangana state of India. Over the years since inception, it has attracted academicians of proven competence onto its faculty, augmented the infrastructural facilities, modernized laboratories, made its curriculum industry relevant, added courses in emerging areas and placed its graduates through campus placements, higher education in India and organizations across the globe, and thus received recognition among industry and academic circles.

At present, KITSW is offering UG in ten branches of engineering, PG in seven engineering specializations and MBA. The KU recognized the departments of CE, ME, E&I and CSE as research centers for PhD programmes. All the eligible UG engineering programmes have **active accreditation status** granted by the NBA, New Delhi.

Warangal city is well connected by rail and road. The institute is located at Yerragattu Gutta, Hasanparthy on Warangal-Karimnagar highway. The nearest airport is in Hyderabad.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering came into its existence right from the inception of the KITSW in the year 1980 and has been serving as catering department to other disciplines. The Department is one of the largest in terms of faculty, students, and activities, continues to lead and expand its activities in various directions. There are 42 faculty members in the department, out of which 19 are doctorates. The department currently runs undergraduate programme, one post graduate program in M. Tech Design Engineering and offering a Ph.D programme, 26 Research scholars have registered so far and out of which three candidates are awarded with Ph.D Degree and remaining are pursuing their Ph.D work in the areas of Thermal, Production, Materials and Design. The B.Tech (Mechanical Engineering) course was accredited five times by NBA.

## ABOUT THE FDP

The aim of this FDP is to present emerging trends in advanced materials and manufacturing process in the field of Engineering & Technology so as to make engineering fraternity aware and enthusiastic for further explorations in these areas. Apart from presenting optimization trends, it will focus on Green Composite, Smart Materials, Nano materials and advanced manufacturing processes with specialized features to meet wide range of applications like aerospace, military equipment, medical articles, and protection equipment. With all these emerging smart technological trends continue to grow, it will bring significant improvement in quality of human life and environment as well. In addition, this FDP shall touch Fun Learning - a holistic approach to education with the goal of nurturing the passion for learning and continuous development throughout life.

## WHO WOULD BENEFIT

Faculty, Research Scholars and PG students of Mechanical Engineering.

## ORGANIZING COMMITTEE

### PATRONS

- ✚ **Capt. V. Lakshmikantha Rao**  
*Secretary & Correspondent, KITSW*
- ✚ **Sri P. Narayana Reddy**, *Treasurer, KITSW*

### CHAIRMAN

- ✚ **Prof. K. Ashoka Reddy**, *Principal, KITSW*

### CONVENOR

- ✚ **Prof. K. Sridhar**, *Professor & Head, MED, KITSW*

### COORDINATORS

- ✚ **Dr. Shakuntala Ojha**, Asst. Professor, MED, KITSW
- ✚ **Ms. G. Sumithra**, Asst. Professor, MED, KITSW
- ✚ **Ms. P. Divya**, Asst. Professor, MED, KITSW
- ✚ In association with Faculty, Department of Mechanical Engineering.

### INSTRUCTIONS

- There is no registration fee.
- Interested participants can register through link.
- E-certificate will be provided to all active participants.
- Meeting link shall be mailed to registered participants.
- Attendance shall be recorded through feedback form Submission on the day of FDP.

### REGISTRATION LINK

- <https://forms.gle/2aXJ2aA17puydPmk7>
- **Last date to apply 11<sup>th</sup> July 2021.**

### E-CERTIFICATES

E-Certificates will be issued to all registered eligible participants (**80% - Attendance & 60% - Test Score**) after filling the feedback form.