

Registration Fee: Free

Last Date of Registration: 14-08-2021

How to Apply:

The applicants can register by submitting the below Google form. Certificate will be issued to only those participants, who have minimum 80% attendance.

Registration Link:

<https://forms.gle/wEhRdGTwRuNbGwGx8>

The mode of FDP is through ONLINE Platform (Google MEET).

The number of participants
are limited to **100**

Organizing Committee:

Smt. C. N. Arpitha, Associate Professor
Sri K. Ramamohan Reddy, Associate Professor
Dr. T. MariPrasath, Associate Professor
Dr. C. Kumar Reddy, Assistant Professor
Smt. SalehaTabassum, Assistant Professor
Sri K. Kalyan Kumar, Assistant Professor
Sri P. Durga Prasad, Assistant Professor
Sri T. Kishore Kumar, Assistant Professor
Sri NeeratiSiddhik, Assistant Professor
Sri G. Hussain Basha, Assistant Professor
Kum. A. Jyothirmayi, Assistant Professor
Sri S. Khadarvali, Assistant Professor

Chief Patrons:

Sri K. Raja Mohan Reddy

Chairman

Smt. K. Rajeswari

Correspondent, Secretary and Treasurer

Sri K. Madan Mohan Reddy

Vice Chairman

Sri K. Chandra Obul Reddy

Member

Patron:

Prof. A. Mohan, Director

Chairman:

Prof. V. S. S. Murthy, Principal

Convener:

Dr. K. Amaresh

Professor & HOD, EEE

Coordinator:

Dr. M. Murali

Associate Professor, EEE

Co-Coordiators:

Sri M. Bhaskar Reddy

Associate Professor, EEE

Sri CH Hussaian Basha

Asst. Prof., EEE & CRI Member



K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)

Approved by A.I.C.T.E. New Delhi. Affiliated to JNTU, Anantapuram
Accredited by NAAC of UGC. An ISO 14001:2004 & 9001:2015 Certified Institution



A One Week Online National Level
Faculty Development Programme
on

**COMPUTATIONAL INTELLIGENCE &
ITS APPLICATIONS (CI&A-2021)**

16th – 21st August, 2021.



Organized By
Department of EEE

K.S.R.M. College of Engineering (Autonomous),
Village: Yerramasupalli, Mandal: C.K. Dinne,
Kadapa – 516 005, AP.

About the Institute :

Kandula Srinivasa Reddy Memorial College of Engineering (KSRMCE) was established in the year of 1980, in the memory of late Sri. Kandula Srinivasa Reddy son of late Sri. Kandula Obul Reddy, former Member of Parliament. The institute is Autonomous and approved by AICTE, Accredited by NAAC, An ISO 9001:2015 Certified Institution and affiliated to Jawaharlal Nehru Technological University, Anantapuramu.

The Mission and purpose in establishing KSRM College of Engineering is to impart quality of Education in Engineering at Under Graduation and Post Graduation levels aiming to achieve the status of the best Engineering College and thereby fulfill the dreams of the founder chairman and the aspirations of student community in the region to become world class professional and technocrats.

The Institute offers B.Tech Courses in CE, EEE, ME, ECE & CSE. The Institute also offers Post Graduate courses namely M.Tech in Power Systems, Geotechnical Engineering, Computer Science Engineering, CAD/CAM and DECS. The Institute has spacious campus spread over 35 acres with accommodation of over 39000 sqm. built-up area and surrounded by plenty of greenery.

About the Department :

The Department of EEE was started in the year 1981 with initial sanctioned strength of 30 and the current intake is 60. The department of EEE has been offering M. Tech course in Power Systems from 2010 with an intake of 18.

The department acquires the Accreditation Status two times and got autonomous status in the year 2014. With the advent of Autonomous status, the course pattern has been significantly revised in pace with latest trends and technologies of present days.

The Department has highly qualified, experienced and dedicated faculty. The Department has fully equipped laboratories to have an actual hands-on experience apart from the theoretical knowledge. It is continuously striving to impart quality of education and competitive spirit among the students for the academic excellence. The department also has the credit of organizing one day & two days training programmes and also FDP's, Workshops, Conferences and CRT etc.

The continual university ranks, GATE Scores and placement of students in various core sectors and software organizations in around the country reflect the aspirations of this department. Alumni are well placed in India and abroad and many of them are presently pursuing their education in highly reputed institutes.

Objectives of the FDP :

The proposed one week FDP aims at imparting awareness and training on "Computational Intelligence & Its Applications" helps in updating the academic and research knowledge of the participants from Engineering colleges and Research organizations. The main focus will be on fundamentals of Soft Computing Techniques and its Applications in Electrical Engineering problems. Participants of the program will have an opportunity to interact with the eminent peoples elected as our resource persons from various NIT's, Reputed Institutes and Research & Development organizations.

Outcome of the FDP :

- Research papers publication in SCIE/ SCOPUS Journals.

Resource Persons :

1. Dr. S. Kayalvizhi, Assistant Professor, Dept. of EEE, NIT, Tiruchirappalli, Tamilnadu.
2. Dr. Sachidananda Prasad, Assistant Professor, Dept. of EEE, NIST, Berhampur, Odisha.
3. Dr. J. Vijaya Kumar, Professor, Dept. of EEE, ANITS, Visakhapatnam, Andhra Pradesh.
4. Dr. T. Hari Priya, Assistant Professor, Dept. of EEE, VNR VJIEET, Hyderabad, Telangana.
5. Dr. T. Mariprasath, Assoc. Prof., Dept. of EEE & CRI Member, KSRMCE, Kadapa, Andhra Pradesh.
6. Dr. M. Murali, Associate Professor, Dept. of EEE, KSRMCE, Kadapa, Andhra Pradesh.
7. Sri M. Chandrasekhar, Industry Expert
8. Sri M. Bhaskar Reddy, Associate Professor, Dept. of EEE, KSRMCE, Kadapa, Andhra Pradesh.
9. Sri CH Hussaian Basha, Asst. Prof., Dept. of EEE & CRI Member, KSRMCE, Kadapa, Andhra Pradesh.

Contents of the FDP :

1. Introduction to Computational Intelligence & TLBO Algorithm and its applications.
2. Harmony Search algorithm and its applications
3. Genetic Algorithm & Bat Algorithm and its applications.
4. PSO algorithm and its applications.
5. Krill Herd algorithm and its applications.
6. Shuffled Frog Leaping Algorithm and its applications.
7. Gravitational Search Algorithm and its applications.
8. Random Search Method based Algorithm and its Applications.
9. RBFN based Neural Network.
10. Cuckoo Search algorithm and its applications.
11. Soft Computing based MPPT.
12. Artificial Intelligence Applications in Renewable Energy Sector.

For further details please contact:

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