

DST(ICPS Division)
Government of India Sponsored
A Three Day National Level Workshop
on

"Emerging Trends in Artificial Intelligence" February 20th to 22nd, 2020

REGISTRATION FORM

Name: _____

Designation: _____

College / University: _____

Branch: _____

Address: _____

Phone: _____

E-mail: _____

Accommodation required (Yes/No): _____

Belongs to SC/ST category (Yes/No): _____

(If yes, attach caste certifying along with the registration form)

Registration Fee : No Registration Fee

Category : Academic / Industry / Others

Participant's Signature :

Date :

Place :

Signature of Head of the Institution /
Sponsoring Authority
(With Date and Seal)

Chief Patron

Sri Capt. V. Lakshmikantha Rao

Honorable M.P (Rajya Sabha)
Secretary & Correspondent

Patron

Sri P. Narayana Reddy

Treasure, KITSW

Chairman

Prof. K. Ashoka Reddy

Principal, KITSW

Convenors

Prof. P. Niranjan

Professor in CSE & Dean, R&D

Prof. V. Shankar

Professor & Head, CSE

Advisory Committee

Sri S. Naga Raju, Associate Professor, CSE

Sri C. Srinivas, Associate Professor, CSE

Sri S. Venkatramulu, Associate Professor, CSE

Dr. V. Chandra Sekhar Rao

Associate Professor, CSE

Dr. S. Narasimha Reddy

Associate Professor, CSE

ORGANIZING COMMITTEE

M.S.B. Phridviraj, Asst.Prof

B. Srinivas, Asst.Prof

G. Sridhar, Asst.Prof

K. Vinay Kumar, Asst.Prof

M. Preethi, Asst.Prof

Md Sharfuddin Waseem, Asst.Prof

I. Sai Rama Krishna, Asst.Prof

P.Rajitha, Asst.Prof

V. Swathy, Asst.Prof

P. Vijay Kumar, Asst.Prof

B. Sridhara Murthy, Asst.Prof

N.C. Santosh Kumar, Asst. Prof

P. Sreenivas, Asst. Prof

B. Raju, Asst. Prof

Dr. N. Gayatri, Asst. Prof

Dr. P. Anil, Asst. Prof

Dr. Kumar Dorthi, Asst. Prof



Department of Science & Technology
Govt. of India

DST(ICPS Division), Government of India Sponsored
A Three Day National Level Workshop
on

"Emerging Trends in Artificial Intelligence"

February 20th to 22nd, 2020



Convenors

Prof. P. Niranjan

Professor in CSE & Dean, R&D

Prof. V. Shankar

Professor & Head, CSE

Coordinators

Sri Hanumanthu Bhukya

(Principal Investigator)

Sri Raghu Ram Bhukya

Assistant Professor, Dept. of CSE

Organised by

DEPARTMENT OF CSE



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

Est'd : 1980
KITSW
ಕಾಕತಿಯ ಪ್ರೌಢೋಗಿಕಿ ಆವೆ ವಿಜ್ಞಾನ ಸಂಸ್ಥಾನ, ವರಗಲ - ೫೦೬ ೦೧೫
ಕాకతియ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 015



NAAC - 'A' Grade accredited
Institute (CGPA : 3.21)



MHRD NIRF-2019
Rank - 180

Preamble

DST has recently launched a new programme "Interdisciplinary Cyber Physical Systems (ICPS)" to foster and promote R&D in this emerging field of research. A Cyber Physical System (CPS) is a mechanism controlled or monitored by computer based algorithms, tightly integrated with internet and its user. In general Cyber means computation, communication and control which are discrete and logical. Physical means natural and human made systems governed by the laws of physics and operating in continuous time.

About the Institution

Kakatiya Institute of Technology & Science, Warangal (KITSW), was established in 1980 with affiliation to Kakatiya University and it became Autonomous Institution under Kakatiya University in the year 2014. It has attracted academicians of proven competence onto its faculty, placed its products in reputed organizations all over the World and gained recognition amongst academic circles. The Institute aims to prepare the students for meeting the challenges of the growing and changing needs of industry through delivering high quality technical education blended with training and research. The college is approved by All India Council for Technical Education (AICTE), accredited by NAAC 'A' Grade with a CGPA of 3.21, ranked 180 by MHRD in NIRF -2019 and all the UG Engineering programmes are accredited by National Board of Accreditation (NBA), New Delhi. The institute is located 13 Kms and 20 Kms from Kazipet junction and Warangal respectively, on Warangal - Karimnagar highway.

About the Department

The Department of CSE, established in the year 1994, offers Two UG programmes and One PG programme i.e., B.Tech CSE with an intake of 180, B.Tech CSE with NETWORKS specialization (CSN) from AY 2019-2020 with an intake of 60 and M.Tech Software Engineering (SE) with an intake of 36. The department is recognized as research centre by Kakatiya University, Warangal for Ph.D programme in CSE. The department with qualified faculty has been producing UG, PG and Ph.D students who are adding value to many organizations around the globe. The UG programme B.Tech CSE has the distinction of being awarded accreditation by NBA, New Delhi for 4 times (2003, 2008, 2014 and 2018). The NBA accreditation status is active for 3 years w.e.f. July 2018.

About the programme

Artificial Intelligence is a major step forward in how computer system adapts, evolves and learns. It has widespread application in almost every industry and is considered to be a big technological shift, similar in scale to past events such as the industrial revolution, the computer age, and the smart phone revolution. This course will give an opportunity to gain expertise in one of the most fascinating and fastest growing areas of Computer Science through classroom program that covers fascinating and compelling topics related to human intelligence and its applications in industry, defense, healthcare, agriculture and many other areas. This course will give the audience a rigorous, advanced foundation in Artificial Intelligence.

Objectives of Workshop

The objective of the workshop is to provide a sound exploration in the field of Artificial Intelligence.

- The workshop educates the participants on basic principles and fundamental concepts of Artificial Intelligence.
- The workshop provides lucid explorations on applications of Artificial Intelligence in various computing domains.
- The workshop offers research challenges, Industry trends and recent cross filed applications of Artificial intelligence.

Major Course Contents

- Introduction to Artificial Intelligence
- Problem Formulations & Representations
- Heuristic Search Algorithms
- Knowledge Engineering
- Probabilistic Reasoning
- Markov Decision Process
- Fuzzy Logic and its applications
- Reinforcement Learning
- Introduction to Expert systems
- Introduction to computer vision
- Introduction to Robotics
- Artificial Intelligence libraries in python
- AI in the Electrical, Image and text proceeding applications
- Scope & Future of AI

Hands on session on the above topics will be provided.

Eligibility & Registration: No registration fee.

Faculty members of AICTE approved Engineering, Polytechnics, MCA Colleges, Research scholars, M.Tech and B.Tech students are eligible to apply. Original registration forms should be submitted by the last date of registration i.e. on 16.02.2020 or scanned copies of registration form along with caste certificate (for SC/ST category) can be email to kitswcsefdp@gmail.com

Important Dates

Last Date for Submission of Applications: 16-02-2020

Intimation of selection to participants: 18-02-2020

Course duration: 20-02-2020 to 22-02-2020

Selection criteria

Selection will be done on first-come-first-serve basis. The list of selected participants will be intimated through mail. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per DST-ICPS guide lines.

Facilities for Participants

Accommodation will be provided to the participants on first-come-first-serve basis. To and fro fare will be paid to the eligible participants.

Resource Persons

1. Dr. Ravikumar Bhimasingu, IIT, Hyderabad.
2. Dr. P. Sateesh Kumar, IIT, Roorkee.
3. Prof. S.G. Sanjeevi, NIT, Warangal.
4. Dr. Suryakanth V. Gangashetty, IIIT, Hyderabad.
5. Dr. Vijender Busi Reddy, ISRO (ADRIN) Hyderabad.
6. Dr. Manish Tiwari, DRDO, Hyderabad.
7. Dr. E. Damodhar Reddy, NIT, Goa.
8. Dr. Raju Bhukya, NIT, Warangal.
9. Dr. Dr. Ilaiah Kavati, NIT, Warangal.
10. Dr. K.V.Kadambari, NIT, Warangal.
11. Dr. S. Suresh Kumar, JNTU-Hyderabad.
12. Dr. M. Sadanandam, KU, Warangal.

Address for Correspondence

Sri Raghu Ram Bhukya
(Coordinator)

Assistant Professor, Dept. of CSE
Mobile : +91 8919604723, 9866089385
e-mail : kitswcsefdp@gmail.com