IMPORTANT DATES

Submission of Abstract : 22nd Feb, 2019
Submission of full Paper : 26th Feb, 2019
Last date of Payment of
Registration Fee : 28th Feb, 2019

The authors of the selected papers would be invited to present the same in the Conference.

REGISTRATION FEE

For Students : Rs. 1500/-
For Scholars : Rs. 2000/-
Faculty Members : Rs. 2500/-

FOR ONLINE PAYMENT

In the Name of the Principal
University College for Women
Bank Name: State Bank of India
Branch: Subedari
Account No.62252650788
IFSC Code: SBIN0020837

In case of difficulty in online payment, the participants can pay directly in the Office of the Principal, University College For Women, Subedari, Hanamkonda.

Conference Director
G. MADHU SREE
Asst. Professor
Department of Computer Science
UNIVERSITY COLLEGE FOR WOMEN
KAKATIYA UNIVERSITY
Subedari, Warangal - 506 001
Mobile : 9985228164, 9849092171
e-mail: madhu.gsr@gmail.com, ucwkucs@gmail.com
For more details login to : www.kakatiya.ac.in

ADVISORY COMMITTEE

Prof. DVLN Somayajulu, NIT, Wgl
Prof. RBV Subramanyam, NIT, Wgl
Prof. P. Radha Krishna, NIT, Wgl
Prof. P. Prem Chand, OU, Hyd
Prof. A. Govardhan, JNTU, Hyd
Prof. SSVN Sharma, KU, Wgl
Prof. A. Sadanandam, KU, Wgl
Asst.Prof.M.Venugopal Reddy,KU,Wgl
Asst. Prof. B. Manjula, KU, Wgl
Asst. Prof. B. Rama, KU, Wgl
Asst. Prof. D. Ramesh, KU, Wgl

ORGANIZING COMMITTEE

P. Preethi
T. Rajani Devi
S. Sudheer
S.M. Rehman
A. Srilatha
Naida Parveen
Ch. Neelima
V. Venkateshwarlu
Mr. Bikku Naik
P. Raviprasad
P. Poojitha
V. Rajitha
M. Rajendra Prasad

deepa graphics, wgl-98492 35297

Two Day National Conference On
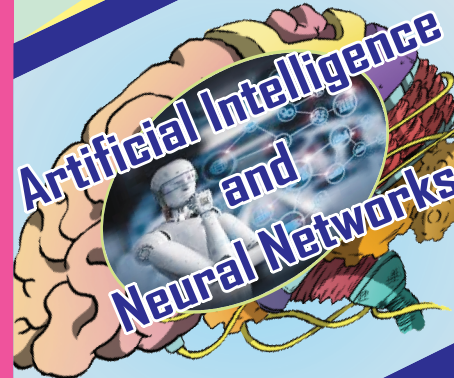# Emerging Trends in Artificial Intelligence and Neural Networks
(*Sponsored by UGC, KU, Wgl & TSCHE, Hyd*)
18th and 19th March, 2019

website: www.kakatiya.ac.in

ज्ञान - विज्ञानं विमुक्तये

Chief Patron
Prof. R. Sayanna
Vice-Chancellor
Kakatiya University
Warangal

Patrons
Prof. K. Purushotham
Registrar
Kakatiya University
Warangal

Dr. M. Satyavathi
Principal
University College For Women
KU, Subedari

Organised by
DEPARTMENT OF COMPUTER SCIENCE
University College for Women
Kakatiya University, Subedari, Warangal - 506 001, Telangana State, INDIA
———— *Venue* ————
University College of Commerce and Business Management Seminar Hall, Kakatiya University, Warangal.

INTRODUCTION

Warangal District popularly known as Orugallu is the second largest city in the Telangana State. Warangal served as the capital of the Kakatiya dynasty which was established in 1163. The monuments left by the Kakatiyas include fortresses, lakes, temples, and stone gateways helped the city to become a significant tourist attraction. Thousand Pillars, Ramappa, Bhadrakali Temples, Kakatiya Gates and mini projects like Ramappa, Laknavaram and Pakala Lakes also added value to the Warangal. Our college is located in Warangal Urban District.

ABOUT THE KAKATIYA UNIVERSITY

Kakatiya University was established on 19th August, 1976 to fulfill the aspiration of the Telangana people for higher education. It is located in the historical city, Warangal. The founding of the University was in fact a historic event that heralded a new era in the realms of higher education of this region. The erstwhile post-graduate Centre of Osmania University was upgraded and named as kakatiya University. The University, began its journey as PG Centre Warangal in 1968 under aegis of Osmania University with only four departments. Kakatiya University has 24 Departments with a network of 18 constituent colleges and about 529 affiliated colleges. It has Post-Graduate Colleges at Subedari (Hanamkonda), Nirmal, Khammam, Jangaon. The school of Distance Learning and Continuing Education (SDLCE) is offering fifty four programmes through distance mode.

ABOUT THE COLLEGE

The Kakatiya University has taken a dynamic step towards women empowerment by establishing separate college as University College for Women. The University College for Women has been established in the year 2012 as its constituent college with eight courses viz., MBA, Commerce, M.A. Economics, English, Political Science, Telugu, M.Sc. Mathematics and Computer Science. The total strength of the students is around 700. Since establishment, the college strives with a goal of spreading and sharing the knowledge among its students. Seminars / Conferences are conducted every year in a befitted manner.

ABOUT THE DEPARTMENT

Computer Science Course in University College For Women started in the Year 2013 with M.Sc Computer Science. So far five batches are completed and 6th batch is running. The department has been making intensive efforts to serve the girl students from different communities of rural background in the form of imparting education in Computer Science. Computer Science department of this college came forward to conduct the conference on Emerging Trends on Artificial Intelligence and Neural Networks this year.

ABOUT THE CONFERENCE

Artificial intelligence is the science that studies and develops methods of making computers more intelligent. Artificial intelligence (AI) is an umbrella term for smart technologies that are aware of and can learn from their environments, enabling them to subsequently take autonomous action. Robotic process, automation, machine learning, natural language processing, and neural networks incorporate AI into their operations. What separates AI from general-purpose software is that it enable machines to respond autonomously to signals from the external world - signals that programmers do not directly control and therefore cannot always anticipate.

AI enables a variety of other emerging technologies as well. For example, it provides the brain power that allows robots to take on human-like characteristics, and it lends the analytical muscle that derives meaning from - and can act on - the flood of data generated by billions of interconnected devices in the internet of things (IoT).

There's a great deal of hype surrounding AI, and it is often portrayed as either a servant, enabling technologies to be more responsive to the humans that operate them, or an overlord, eliminating people's jobs and violating our privacy. But for business executives, it is primarily an enabler of enhanced innovation and increased productivity. Yes, it may eliminate some existing jobs, but it will also fundamentally change work processes by pairing people and machines in newly efficient ways and creating more productive work places.

In our broad definition, AI is a collective term for computer systems that can sense their environment, think, learn, and take action in response to what they're sensing and their objectives. Forms of AI in use today include, among others, digital assistants, chatbots and machine learning. AI works in four ways:

- ❖ *"Automated intelligence:* Automation of manual / cognitive and routine / non-routine tasks.
- ❖ *Assisted intelligence:* Helping people to perform tasks faster and better.
- ❖ *Augmented intelligence:* Helping people to make better decisions.
- ❖ *Autonomous intelligence:* Automating decision making processes without human intervention.

MAIN OBJECTIVES OF CONFERENCE

The conference aims at

1 To have an appreciation for and understanding of both the achievements of AI and the theory underlying those achievements. To have an appreciation for the engineering issues underlying the design of AI systems.

2 To have a basic proficiency in a traditional AI language including an ability to write simple to intermediate programs and an ability to understand code written in that language.

3 To have an understanding of the basic issues of knowledge representation and blind and heuristic search, as well as an understanding of other topics such as minmax, resolution, etc. that play an important role in AI programs.

4 To have a basic understanding of some of the more advanced topics of AI such as learning, natural language processing, agents and robotics, expert systems, and planning.

TECHNICAL SESSIONS

Session I: Neural Networks, Fuzzy Systems, Expert Systems, Robotics, Virtual Intelligence;

SessionII : Machine Learning, Soft Computing, IOT, Computer Audition, Computer Vision;

Session III : Game Artificial Intelligence, Optical Character Recognition, Natural Language Processing, Pattern Recognition, Strategic Planning & Knowledge Representation;

Session IV : Any Other Related Topics

PAPER SUBMISSION GUIDELINES

Abstract should not exceed 500 words and five key words. Full paper should be of 3500 words with APA style reference list. Font-Times New Roman, Font Size 12 and Line Space is 1.5. upto three authors are allowed for each paper. Authors need to send abstract and the full paper in MS-WORD Document only along with Full names, designation, e-mail ID. Affiliating organization need to be clearly mention in the Abstract and the full paper along with copyright declaration must be submitted for originality.

The participants must submit a hardcopy of the manuscript together with the softcopy. The participants are informed to submit their paper as an e-mail attachment to ucwkucs@gmail.com

ACCOMMODATION

Accommodation will be provided in the University Guest House for registered outstation delegates on their advance information and payment. Accommodation is on sharing and first come first serve basis

PUBLICATION

Papers will be published in **ISBN book or ISSN number Journal with impact factor, approved by UGC and DOI number** after the double - blind review by the jury.