

About Dr YSR ANUCET

Dr YSR ANU College of Engineering & Technology was established in the academic year 2009 -2010 at Acharya Nagarjuna University campus. It was started with an aim of imparting technical values in the students, who can change the shape of global scenario in engineering arena and also to educate students for careers of leadership, innovation in engineering and its related fields.

About CSE Department

The department of Computer Science & Engineering was established in 2009 with an intake of 60 students in B.Tech. The department has introduced the M.Tech PG programme with the specialization of Digital Image Processing in 2011 and also conducting PH.D program. The programme ensures that the student effectively meets the highest benchmarks of competence required by the industry. Since its establishment, the department has been recognized all over the world for excellence in research environment with active research groups in the areas of Artificial Intelligence, Machine Learning, Digital Image Processing, Internet of Things, Data Analytics, Cyber Security, Android Development and Computer Networks. Department faculty focuses on research based on Machine learning algorithms in various domains like agriculture, medicine, education etc.



About Seminar

Today artificial intelligence is penetrating in all fields like agriculture, medicine, transportation, education, banking etc. Agriculture, education and medicine are thrust areas of human living. AI in agriculture is emerging in three major categories. (i) Agricultural Robotics – Robots are designed to assist in picking & packing crops and can protect crops from harmful weeds (ii) soil and crop monitoring – Companies are using sensors and various IOT based technologies in agriculture to monitor crop and soil health (iii) predictive analysis- Various AI and ML tools are being used to predict the optimal time to sow seeds, get alerts on risks from pest attacks and more. Similarly today artificial intelligence is also playing a vital role in area like robotic surgery, tumour detection, telemedicine, digital health systems etc. The seminar aims to discuss various AI & ML based applications in Medical, Agriculture and explore the possibilities of incorporating AI & ML based systems in potential areas of medical and agriculture

Topics to be covered

- Introduction to AI
- Introduction to ML, DL
- ML applications in Medical Imaging
- Digital transformation of Agriculture-Needs and prospects.
- Monitoring agriculture areas using Machine Learning
- Drones and automation in agriculture
- IOT based technologies in agriculture

Chief Patron:

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Vice Chancellor, ANU

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Prof. Dr. B. Karuna, Registrar, ANU

Prof. P. Siddaiah, Dean, Faculty of Engg.

Convenor:

Prof. E. Sreenivasa Reddy, Dept of CSE

Co-convenors

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Dr. U. Satish Kumar, Dept of CSE

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Resource Persons:

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Department of CSE, JNTUA C

Prof E Sreenivasa Reddy
Dr YSR ANUCET, ANU

Dr K Gurava Reddy
Senior Scientist, ANGRAU

Dr A Subbarami Reddy
Principal Scientist, ANGRAU

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Dr A Sambaiah
Senior Scientist, ANGRAU

K.SeshaKishore
CEO, SK Deep Tech, Singapore

Registration fee:-

Scholars / Researchers : Rs. 500

Industry Persons : Rs. 1000

Venue :-

Diechman Auditorium, ANU

Registration link:-

<https://forms.gle/gBgh8kTf7N5mo9Zv5>

Contact +919346465834



Dr YSR ANU College of
Engineering and Technology
Acharya Nagarjuna University

UGC Sponsored
National seminar on

**Applications of Artificial Intelligence and
Machine Learning in Medicine and
Agriculture**

30th & 31st March 2022

Registration Form

Name:- _____

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ACHARYA NAGARJUNA UNIVERSITY



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Organized by

Department of Computer Science and Engineering
DR.YSR ANU College of Engineering and Technology
Acharya Nagarjuna University
Nagarjuna Nagar, Guntur Andhra Pradesh

In collaboration

AP State Council of Science & Technology
AP DRONES Corporation Science City A.P.
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