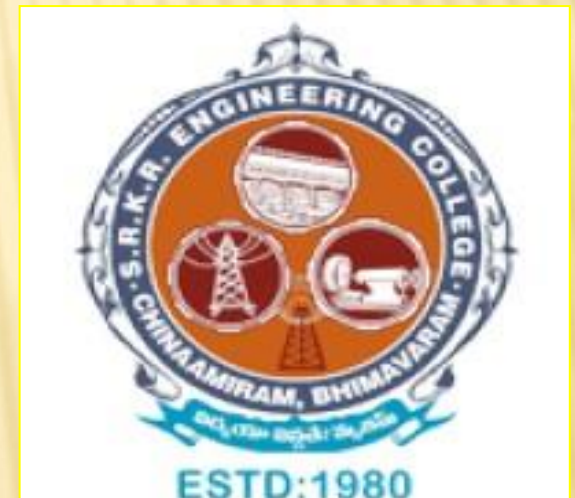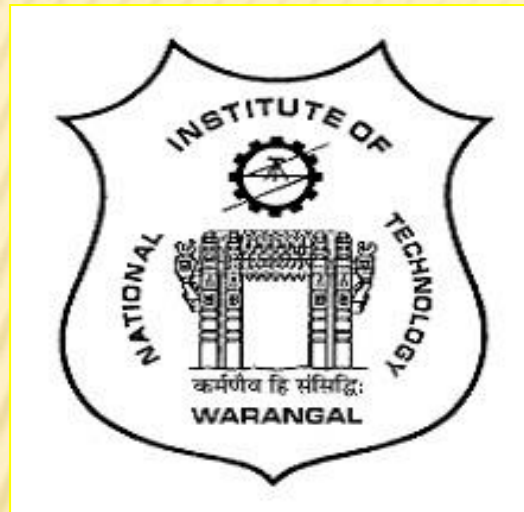# FIVE DAY NATIONAL LEVEL *ONLINE* SHORT TERM COURSE

ON

DATA SCIENCE
&
MACHINE LEARNING

6TH TO 10TH DECEMBER 2021

ORGANIZED BY
DEPARTMENT OF INFORMATION TECHNOLOGY
S.R.K.R. ENGINEERING COLLEGE (A)
BHIMAVARAM

IN ASSOCIATION WITH
CENTER FOR CONTINUING EDUCATION
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL

About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls guest house and laboratory.
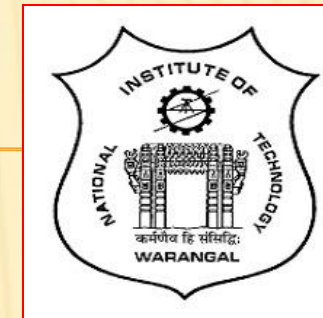

About Center for Continuing Education:

The Center for Continuing Education NIT Warangal organizes FDPs / Training programmes / Seminars / Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal (ii)At NIT Warangal in collaboration with other organizations/ Engineering Colleges / Institutes iii) By NIT Warangal Faculty at the Host Organization / Institute.

ABOUT S.R.K.R ENGINEERING COLLEGE

Sagi Rama Krishnam Raju Engineering College, established in 1980, is a self-financed academic institution of coeducation striving to provide a high quality technical education to engineering aspirants. The president of the institution Sri. S. Prasada Raju carries forward the vision of his father Late Sri Sagi Rama Krishnam Raju, a philanthropist, driving the institution on the academic path of excellence. The college offers clusters of elegant and capacious buildings with state-of-the-art laboratories, class rooms, seminar halls and other amenities coupled with eco-friendly ambience on the campus for efficacious pedagogical practices. S.R.K.R. Engineering College was established with a mission to develop the institution into a world-class centre of excellence in the field of technical education that fosters research and essentials of employability and strives for preeminence amongst the premier institutions with high commitment to the socio-ecological well-being of the nation. Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi, Accredited with 'A' Grade by NAAC with CGPA of 3.60/4.00 scale. Offers 6 UG Courses, 6 PG Courses and 7 Ph.D. Programs.

ABOUT DEPARTMENT

The Department of Information Technology (IT) was established in the year 1999 with an intake of 60 in B.Tech (IT) and later increased to 180. The Department is now offering UG (B.Tech), PG (M.Tech.-IT) and Ph.D. programs. The department has made mile stones in promoting as centre of excellence by adopting innovative methods for Teaching Learning and Research in the diversified fields of Information Technology. The IT department is equipped with spacious classrooms, air-conditioned seminar hall, e-classrooms, library and well-equipped laboratories. The department has dedicated fully air-conditioned computer labs all in a functional network environment. The department offers free high-speed Internet facility to students and faculty for their labs and research work. The department is run by well qualified and experienced faculty & supporting staff.

CENTER FOR CONTINUING EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

&

S.R.K.R. ENGINEERING COLLEGE, BHIMAVARAM

ONLINE SHORT TERM COURSE

ON

Data Science and Machine Learning

6th to 10th December 2021

STC Overview:

This Short Term Course (STC) aims to update knowledge on the current trends and future aspects of Data Science and Machine Learning (DSML).

Course Objectives:

➤To upgrade the conceptual and Technical Skills of the Faculty in Data science, Machine Learning and Deep Learning.

➤To explore the research opportunities in Data Science, Machine Learning & Deep Learning.

➤Research oriented problem solving in Data Science and Machine Learning using software tools like Python.

Programme contents:

➤Recent trends of Data Science and Machine Learning.

➤Python Basics for the implementation of Data Science, Machine Learning and Deep Learning algorithms

➤Machine Learning: Supervised learning and Unsupervised Learning algorithms.

➤Deep Learning techniques like Single and Multilayer Perceptron, LSTM, Simple and Multiple linear regression, NN, CNN,RNN etc.

➤Heurastic and Meta-Heurastic optimization techniques in ML and DL.

➤Data Science and Regression algorithms and techniques.

➤Research challenges and opportunities in Data Science, Machine Learning & Deep Learning.

Expected Outcomes

At the end of STC, participants will be able to

➤ Understand Conceptual and Implementation knowledge in DS, ML & DL

➤Faculty & Research scholars can identify research problems that helps to implement real world applications using Data Science & Machine Learning.

Resource Persons

The Sessions will be handled by the experts From IITs / NITs / Central University and Professor from U. S. Universities.

Registration

The Programme is open to all Faculty / Research Scholars / PG Students / Industry Professionals.

How to Apply

Interested candidates can apply online by clicking below link

https://forms.gle/qzwRZgSUNQxKzNyL7

Participants details need to be filled and payment details uploaded by using the above link on or before 4th December, 2021.

Registration Deadline: 04-12-2021.

Registration Fee:

➤Faculty, Research Scholars and PG students: 500/-(Five Hundred Rupees only).

➤Industry Professionals:1000/- (Thousand Rupees only).

Bank Account Details

ACCOUNT NAME	CCE NITW
BANK NAME	SBI
ACCOUNT NO	62403680215
IFSC CODE	SBIN0020149
BRANCH	NIT WARANGAL

The interested individuals may register on the first come first serve basis. Since, this is open for all Indian participants; the seats are limited only. Participants will get E-certificate upon completion of the course.

Address for Correspondence:

Any further queries, please feel free to contact the Coordinators

Coordinators:

Dr Raju Bhukya

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Associate Professor, Department of IT, SRKR Engineering College(A), Bhimavaram. Mobile: 9989556557 Email: indukurihemalatha@gmail.com