

Invitation



Department of Information Technology

cordially invites you to the Inaugural function of

**A Two Day National Level Student
Technical Symposium**



CEZAR¹⁷

Aspire to inspire....

1st- 2nd March, 2017

VENUE

Seminar Hall, Academic Block - I
JNTUH CEJ Campus, Nachupally(Kondagattu)
Jagtial Dist. - 505 501

Chairman

Dr. N. V. Ramana

Principal, JNTUHCEJ



Invitation includes

for the Schedule mentioned

(P.T.O.)



JNTUH COLLEGE OF ENGINEERING JAGTIAL

NACHUPALLY(KONDAGATTU), JAGTIAL-(DIST).Telangana, 505 501

Convener

Dr. S. Suresh Kumar

Asst. Prof.,
Head, Dept. of IT

Coordinator

Dr. M. Dhanalakshmi

Associate Professor
Dept. of IT

Coordinator

Ch. Asha Jyothi

Asst. Prof., Dept. of IT

REGISTRATION FORM
A Three Day National Level Workshop
on
Machine Learning using Python
24th - 26th Mar 2017

Name:

Designation:

Institution:

Address for Communication:
.....
.....

Mobile:.....

email:

Accommodation required: Yes/No

Registration fee paid Rs:.....DD NO.....

BankBranch

Date:

Eligibility: This Workshop is best suited for IT, CSE, Instrumentation, Electrical & Electronics branch students. However, Faculty/Students from other branches can also attend this workshop.

Payment Details: Cash/DD drawn in favour of "Convener, MLP" payable at SBH branch, JNTUC Nachupally.

Signature of the Applicant

CHIEF PATRON
Prof. A. Venu Gopal Reddy
Vice- Chancellor, JNTUH.

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Prof. N.V. Ramana Rao
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CONVENER
Dr. S. Suresh Kumar
Asst. Prof. & Head, Dept. of IT, JNTUHCEJ

COORDINATORS
Dr. M. Dhanalakshmi
Assoc. Prof., Dept. of IT, JNTUHCEJ

Smt. Ch. Asha Jyothi
Asst. Prof., Dept. of IT, JNTUHCEJ

FEE PARTICULARS

Registration Fee
For Internal Students : Rs.700/-
For External Participants: Rs.1000/-
Accommodation Fee : Rs.300/-

Note: Last date to confirm
Accommodation details :
15-03-2017

ADDRESS FOR COMMUNICATION:
Dr. S. Suresh Kumar
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Nachupally, Jagtial Dist.
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Visit us: www.jntuhcej.ac.in



A Three Day National Level Workshop
on
Machine Learning using Python
(MLP)

24th - 26th Mar, 2017



Convener

Dr. S. Suresh Kumar
Assistant Professor & HEAD
Dept. of IT

Organized by
Department of
Information Technology

Jawaharlal Nehru Technological University
Hyderabad College of Engineering Jagtial

NACHUPALLY (KONDAGATTU), JAGTIAL-(DIST).T. S., 505 501



About the University & College

Jawaharlal Nehru Technological University (JNTU), Kukatpally, Hyderabad was established in 1972. Under administration grounds it was trifurcated in 2008 viz., JNTU Hyderabad, JNTU Kakinada and JNTU Ananthapur. JNTUH College of Engineering Jagityal, Nachupally (Kondagattu), Karimngar District was established in the year 2007 as one of the Constituent Colleges of JNTU Hyderabad with five different branches, viz. EEE, Mechanical, ECE, CSE and IT. JNTUH CEJ, Nachupally (Kondagattu) aims to be an institute of excellence in training the students to meet the global needs and is supported by well qualified and highly experienced Professors drawn from research and industry. The College is committed to raise the intellectual tone of young students in understanding and incorporating the foundations of rapidly progressing changes in the fields of Science and Technology. The location of sprawling campus surrounded by blossoming green hills, temples and academic ambience upholds the traditional and cultural values among the students and staff. JNTUH CEJ, Nachupally (Kondagattu) is located at Nachupally near Kondagattu and at about 22 km from Jagityal and about 38 km from Karimnagar. JNTUH CEJ has achieved 90th rank in 100 Asian Universities in 2014.

About the Department

Department of Information Technology was established in the College in the year 2007 with bachelor degree in Information Technology with an intake of 60, Master degree in Information Technology was started in the year 2011 with an intake of 18. Department of Information Technology has 3 regular faculty members out of which 2 are doctorates.

About the Workshop

Machine Learning is a subset of AI where the machine is trained to learn from the past experience. The past experience is developed through the data collected. Then this workshop/concepts combines with algorithms such as Naïve Bayes, Support Vector Machine(SVM) to deliver the final results.

Workshop Highlights

- ❖ What the Machine Learning & How its relates for various clustering concepts.
- ❖ Demonstrates implementation of various Machine Learning algorithms using Python.
- ❖ Provide the basic & advanced Knowledge of Machine Learning applications.
- ❖ Hands on Experience for working with traing and test datasets.
- ❖ Provide the exposure of Mathematical concepts usied in Machine Learning.

Schedule for 3 Day Workshop

Day 1 - 24.03.2017

Session 1 (10.00 AM - 1.00 PM)

- ☞ Basics of vectors
- ☞ Matrices
- ☞ Rn space Curve fitting
- ☞ Mean
- ☞ Variance
- ☞ Understanding of distributions
- ☞ Probability
- ☞ Dot product
- ☞ Euclidean distance
- ☞ Absolute distance

LUNCH (1.00 PM - 2.00 PM)

Session 2 (2.00 PM - 5.00 PM)

- ☞ Installation of numpy
- ☞ Sklearn
- ☞ Pandas
- ☞ Nltk Importing data from file
- ☞ Numpy tutorials
- ☞ Nltk basics

Day 2 - 25.03.2017

Session 3 (10.00 AM - 1.00 PM)

- ☞ Classification techniques(K-NN, Decision Trees)
- ☞ Random forest
- ☞ SVM Training and testing split
- ☞ Datasets visualization

LUNCH (1.00 PM - 2.00 PM)

Session 4 (2.00 PM - 5.00 PM)

- ☞ Iris Dataset (applying all classifications)
- ☞ Mnist Dataset (applying all classifications)
- ☞ Sentiment analysis

Day 3 - 26.03.2017

Session 5 (10.00 AM - 1.00 PM)

- ☞ K-Means, LinearRegression Dimensionality reduction(PCA) Text based (Tf-Idf, Bow)

LUNCH (1.00 PM - 2.00 PM)

Session 6 (2.00 PM - 5.00 PM)

- ☞ Text clustering (News group dataset) Tf-Idf, Bow practical

Assignments, materials will be provided during the Lecture

Important Dates

Last date for registration - 15-03-2017

NOTE: Spot Registrations are not entertained strictly