

# SANTHIRAM ENGINEERING COLLEGE

## One-Week Certificate Course

On

## “Machine Learning”

Dates:25-11-2021 to 31-11-2021



### ABOUT INSTITUTION

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. SREC is established under the able guidance of Dr. M. Santhiramudu, Chairman, in the year 2007 with a noble motto “Education for Peace and Progress”. The college is ranked as one of the Best Engineering Colleges of JNTUA, Ananthapuramu. SREC is situated on NH-40, 12 KM away from Nandyal, Kurnool Dist, Andhra Pradesh. It is a learning abode for 1600+ Students. The campus is pollution free and its serene environment is ideally suited for academic activities. Our goal is to produce engineers and managers who can contribute to the progress of the Nation and the World through excellent scientific, technical innovations and research activities.



### ABOUT DEPARTMENT

The department was initially started with an intake of 60 seats. Since the opportunities are stupendous and the increase in demand for the production of engineers it was upgraded to 120 seats in 2008. Forecasting the tremendous growth & opportunities in Very Large Scale Integrated (VLSI) circuit design, the department has also started a Master of Technology (M. Tech) program in VLSI System Design in the year 2011 with an intake of 18 seats.

The objectives of the department include producing quality engineers, engaging in research activities and encouraging students to be active in entrepreneurship. The faculty has been involved in teaching and research in the diverse aspects such as Wireless Communications & Networking, Microelectronics and VLSI, Digital Image Processing and Antenna design. The department has state of the art laboratories.

### MAJOR OBJECTIVES OF THE Madblocks Technologies Pvt Ltd

- To support technical institutions in fostering research. Innovation and entrepreneurship through training.
- To stress upon empowering technical teachers & technicians using Information & Communication Technology.

- To provide a variety of opportunities for training and exchange of experiences. Such as workshops, Orientations, learning communities, peer mentoring and other faculty development programs.
- To support policy makers for incorporating training as per requirements.
- To support internships, Technological courses for the students
- Support for Skill oriented activities like Boot camps, Hackathon, Ideathons etc...

### RESOURCE PERSONS

**Mr. Madhu Paravathaneni,**  
Director, CEO

Madblocks Technologies Pvt Ltd,  
Hyderabad.

### In collaboration with

IE(I), ISTE & IEEE Student chapters of SREC.



EWB Student Chapter, SREC





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### CONTENTS OF THE PROGRAM

Python Basics PPT | Hands-On Basics, Functions, Modules, Exceptions  
Numpy, Pandas, Matplotlib, PPT | Hands-On Basic Syntaxes, File Handling Data Pre-Processing PPT | Hands-On Blank Data, Categorical Data, Feature Scaling

Project - 1: Salary Estimation PPT | Hands-On Using the concept of Simple Linear Regression.

Project - 2: Predicting the Startups Profit PPT

Project - 3: Salary Prediction PPT | Hands-On Using the concept of Polynomial Linear Regression

Project - 4: Estimating Social Network Ads PPT Hands-On Using the concept of Logistic Regression

Project - 5: Crop Prediction PPT | Hands-On Using the concept of K-Nearest Neighbours

Project - 6: Diabetics Prediction for Pregnant PPT | Hands-On Using the concept of Decision Tree

Project - 7: Cardiac Prediction for Patients PPT | No Hands-On Using the concept of Random Forest.

Project - 8: Grouping the customers of mall PPT | Hands-On Using the concept of k-means Clustering.

Project - 9: Grouping the patients based on covid symptoms PPT | Hands-On Using the concept of Hierarchical Clustering .

### WHO CAN ATTEND?

III B. Tech ECE students from host institutions can attend. Total number of participants is limited to 100. Therefore, early registration is highly recommended

### REGISTRATION FEE

- 350/- Per Student

<https://forms.gle/oBGBCXh8GU27xUTE9>

### ORGANISING TEAM

#### Chief Patron

Dr. M. Shanthiramudu,  
Chairman, SREC.

#### Patron

Er. M. Siva Ram,  
Managing Director, SREC.

#### Convener

Dr. M.V. Subramanyam,  
Professor of ECE & Principal, SREC.

#### Coconvener

Dr. Y. Mallikarjuna Rao  
Head Of The Department Of ECE,  
SREC

#### Program Coordinator

G.Sowmya,  
Assistant Professor  
[sowmya.ece@srecnandyal.edu.in](mailto:sowmya.ece@srecnandyal.edu.in)  
9441401197

Mr.S.Rambabu  
Assistant Professor

#### Student Coordinators:

Miss. Syed Rukasana

Miss. Vangala Manasa  
Miss. Salepala Umadevi  
Miss. Shaik Safiya Thasleem  
Miss.N.Geetha Lakshmi  
Mr.B.Nagaseshaiah settee  
Mr.B.Sai

### APPLICATION FORM

1. Name :
2. Designation :
3. Institution :
4. Department :
5. Mobile No :
6. Email ID :
7. Address :

### Certificate

This is to certify that the above member is the student of our institution & information is given by him/her is correct.

Place:

Date:

Signature of the Principal

