

**Chief Patron**

Dr.M.Santhiramu - Chairman

**Patron**

Dr.M.Sivaram - Managing Director

**Convener**

Dr.M.V.Subramanyam - Principal

**Co-Convener**

Mr.K.Rajasekhara Reddy - HEEED

**Technical Advisory Committee**

Dr. D. V. Ashok Kumar

Dean, RGM CET, Nandyal

Dr. T. Vinay Kumar

Professor, NIIT, Warangal

Dr. V. Nagabhaskar Reddy

Professor, HOD, RGM CET

Dr. Sathish Gopi Shetty

Professor, GPREC, Kurnool

**Coordinator**

Mr.N.V.S.Prasad - Asst.Prof.

**Organizing Committee**

Dr.P.Ravi babu- Asst.Prof.

Mr.M.Sivasankar - Asst.Prof.

Mr.U.M.S.Kumar - Asst.Prof.

Mr.M.Y.Veeresh- Asst.Prof.

Mr.S.Seetharamudu - Asst.Prof.

Mr.A.R.Prasad - Asst.Prof.

Ms.P.S.Salma - Asst.Prof.

Mr.P.Balaji - Asst.Prof.

Mr.E.Siva Karthik- Asst.Prof.

Ms.N.Varalakshmi - Asst.Prof.

Mr.M.Sree Harsha- Asst.Prof.

**RESOURCE PERSON**

**Ms.P.Shahanaz Salma**

Assistant Professor

Dept.of EEE, SREC

**TOPICS TO BE COVERED**

- Introduction to Electrical basics
- Electrical Circuits, Energy conversions and Solar PV Technology.
- Basic introduction to MATLAB simulation
- Introduction to DC Power Conversion –Solar Energy conversion – PV Cell Characteristics, PV Cell designing & modelling in simulation.
- Load & Energy Demand assessment, Off-Grid & On – Grid PV System design.
- Introduction P V Curve and I V Curves and Different MPPT techniques.
- Simulation of Different MPPT Techniques
- Economics of PV Systems and Load forecasting of Solar PV Systems

**CONTACT US**

**Mr.N.V.S.PRASAD**

**Principal/Coordinator**

**Assistant Professor**  
**Santhiram Engineering College**  
**Dept.of EEE, SREC**

**Ph: 9440343090**

**Email Id: nvsprasad@gmail.com**

**ONE WEEK ADD-ON PROGRAM**

**On**

**DESIGN OF SOLAR**

**PHOTOVOLTAIC (PV) SYSTEM**

**ON**

**Date:16<sup>th</sup> – 21<sup>st</sup> Aug 2016**

**Organized by**

**Department of**

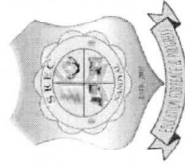
**ELECTRICAL & ELECTRONICS**

**ENGINEERING**

**In Association With**

**IE(I) & ISTE STUDENTS CHAPTERS**

**OF SREC**



**SANTHIRAM**

**ENGINEERING COLLEGE**

Approved by AICTE, New Delhi; Permanently

Affiliated to JNTUA, Ananthapuramu

An ISO 9001:2008 Certified Institution, 2(f)

& 12(B) Recognition by UGC Act, 1956

NH--18, Nandyal-518501: Kurnool Dis**373P**.

## ABOUT THE COLLEGE

**Santhiram Engineering College** (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross road on NH-18 with a motto of "Education for Peace & Progress".

### VISION

- To provide value based Education in Technical field.
- To become a Self Sustained University.
- To establish Postgraduate Programs in Advanced Technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

**The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE & CSI etc.**

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The Department is having well qualified, dedicated and rich experienced faculty to enrich new concepts in students and develop their knowledge.

### MISSION:

*"To provide value based education in Electrical Engineering Field".*

### ABOUT THE PROGRAM

Solar is one of the fastest growing and talked about energy generation technologies globally. Increasing awareness of climate change, energy security need, facilitation from government, decline in solar energy costs and emergence of new and innovative business models are some of the prime drivers for large scale development and deployment of solar energy.

**Principal**  
**Santhiram Engineering College**  
The objective of this Add-on program is to give the knowledge of the design of solar photo voltaic cells, testings, maintenance, etc.,.

## ONE WEEK ADD-ON PROGRAM

On

### DESIGN OF SOLAR PHOTOVOLTAIC (PV) SYSTEM REGISTRATION FORM

Name :

College :

Address for Correspondence:

Contact Phone Nos:

E-mail ID :

Registration Details:

D.D. No. :

Bank Name & Branch:

Signature of the candidate:

### CERTIFICATE

This is to certify that, the above member is/are bonofide student(s) of our institution and the information given is correct

Place:

Date:

Signature with seal

Head of Department/ Inst<sup>374</sup> on

## ABOUT THE COLLEGE

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross road on NH-18 with a motto of "Education for Peace & Progress".

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- To establish Postgraduate Programs in Advanced Technologies
- To establish an effective R&D consultancy cell.
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### MISSION:

*"To provide value based education in Electrical Engineering Field".*

### ABOUT THE PROGRAM

Energy saving and energy efficiency have become top priorities all around the world. EMS can optimize the use of energy sources and energy storage systems in micro grids. Now a days, EMS used power converters to implement power management or energy management for AC & DC microgrids. EMS includes energy storage in the form of batteries in order to accomplish some goals like making electrical power available to critical loads at all times with or without main grid service, reduce peak power consumption to lower electricity. This workshop is for all **Santhiram Engineering College** organization tasks personnel in the **N A M D** operation and improvement of energy management system.

## ONE WEEK ADD-ON PROGRAM On

### CONVENTIONAL POWER SYSTEMS & POWER ELECTRONICS AND THEIR APPLICATIONS

### REGISTRATION FORM

Name :

College :

Address for Correspondence:

Contact Phone Nos:

E-mail ID :

Registration Details:

D.D. No. :

Bank Name & Branch:

Signature of the candidate:

**CERTIFICATE**

This is to certify that, the above member is/are bonofide student(s) of our institution and the information given is correct

Place:

Date:

Signature with seal

Head of Department/ Institution

**Chief Patron**

**Dr. M. Santhiramudu** – Chairman

**Patron**

**Er. M. Sivaram** – Managing Director

**Convener**

**Dr. M. V. Subramanyam** – Principal

**Co-Convener**

**Mr. K. Rajasekhara Reddy** – HEED

**Technical Advisory Committee**

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Dean, RGM CET, Nandyal

**Dr. T. Vinay Kumar**

Professor, NIIT, Warangal

**Dr. V. Nagabhaskar Reddy**

Professor, HOD, RGM CET

**Dr. Sathish Gopi Shetty**

Professor, GPREC, Kurnool

**Coordinator**

**Mr. N. V. S. Prasad** – Asst. Prof.

**Organizing Committee**

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**Mr. U. M. S. Kumar** – Asst. Prof.

**Mr. M. Y. Veeresh** – Asst. Prof.

**Mr. S. Seetharamudu** – Asst. Prof.

**Mr. A. R. Prasad** – Asst. Prof.

**Ms. P. S. Salma** – Asst. Prof.

**Mr. P. Balaji** – Asst. Prof.

**Mr. E. Siva Karthik** – Asst. Prof.

**Ms. N. Varalakshmi** – Asst. Prof.

**Mr. M. Sree Harsha** – Asst. Prof.

**RESOURCE PERSON**  
**Mr. J. Girish Gupta**

**Research Engineer & Technical**

**Manager, AMNA IT Solution**

**TOPICS TO BE COVERED**

- Introduction to the MATLAB Software & SIMSCAPE Tool Box.
- Basic Electrical Network Configuration Designs.
- Testing Basic Principles in Electric convectional Network.
- Design on the Different Switches Used in Power Electronic Circuit Configuration.
- Application of Controlled and Uncontrolled Switches.
- Implementation of Basic Electrical Network Configuration Designs.
- Implementation of Basic Principles in Electric convectional Network.
- Optimization in MATLAB & Wireless power transmission in MATLAB
- project oriented design.

**CONTACT US**

**Mr. P. BALAJI**

**Coordinator**

**Assistant Professor**

**Santhiram Engineering College**

**IEEE, SREC, A I**

**Ph: 9475701340**

**Email Id: pbalaji204@gmail.com**

**ONE WEEK ADD-ON PROGRAM**  
**On**

**CONVENTIONAL POWER SYSTEMS & POWER ELECTRONICS AND THEIR APPLICATIONS**

**ON**

**Date: 23<sup>rd</sup> – 29<sup>th</sup> Jan 2017**

**Organized by**

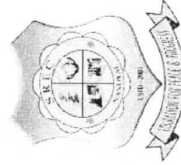
**Department of**

**ELECTRICAL & ELECTRONICS**

**ENGINEERING**

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**ENGINEERING COLLEGE**

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NH-18, Nandyal-518501: Kurnool Dist., A.P.

# REGISTRATION FORM

1. Name: \_\_\_\_\_
  2. Branch: \_\_\_\_\_
  3. College: \_\_\_\_\_
  4. Contact Phone No \_\_\_\_\_
  5. Address for Correspondence: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Phone \_\_\_\_\_ fax \_\_\_\_\_
- E-Mail ID \_\_\_\_\_

## Signature of the Participant

Certified that the about information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convener

Dr. M.V. Subramanyam, Principal

## Co- Convener

Mr. P. Moulali, Head, Dept. of ME

## Coordinator

Mr. O. Jayaramudu, Asst. Prof

## Organizing Committee

Dr. R. Ramesh Raju, Prof  
Mr. M.Ravichandra, Asst. Prof  
Mr.R.Siva Kumar, Asst, Prof  
Mr. P.MADHURAGHAVA, Asst. Prof  
Mr. P. Nagaraju, Asst. Prof

## STUDENT COORDINATORS:ME

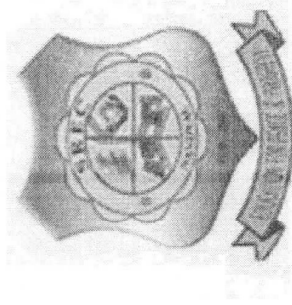
Mr. S.Md. Arshad Ayub -7893605268  
Mr. V.Subhas Reddy -9573859597  
Mr. R.V. Puneeth Kumar -8985575281  
Mr. B. Prana Kumar 9052547114  
Mr. K.L. Ashmi Reddy 9010591485

*Principal*

**Santhiram Engineering College**  
**N A N D Y A I**

## "ADD ON PROGRAM ON AUTOCAD AND CATIA"

From 08<sup>th</sup> AUG, 2016 to 13<sup>th</sup> AUG, 2016



Organized By

Department  
Of

Mechanical Engineering

SANTHIRAM ENGINEERING COLLEGE  
Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA,  
Anantapuramu  
An ISO 9001:2008 certified institution  
NH-18, NANDYAL-518501, Kurnool Dist.  
Andhra Pradesh

## About the college

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## About the Department

The Department of Mechanical Engineering is offering UG Program from the year 2011 with an intake of 60 students and extended intake 120 in the year of 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. Department has a strength of continuous upgrading of infrastructure & Laboratories facilities. The Department is having well qualified, dedicated and rich experienced Faculty. A conducive environment exists in the Department for both students and staff. Quality Technical Education is provided to the students in the core areas of the field, to meet the challenges of globalization with the state of art equipments and laboratories.

## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing-lecture videos and E-books for students

## Topics Covered

- Introduction to Basics commands interface of AUTOCAD & CATIA.
- CREATION OF MODELS BY USING AUTOCAD & CATIA.
- Assembly Basics and its Constraints using design tables
- Produce assemblies of component parts and Wireframe Commands.
- Practice Analysis to Produce 2D & 3D models

## About The Programme

Program on AutoCAD and Catia is a branch of CAD. Computers are used to perform the design and development of cad based drawings.

Ongoing research yields software the Modelling and editing of 2D & 3D Models parametric by using **AUTOCAD & CATIA** software to stay current with today's trends.

*Principal*

**Santhiram Engineering College**  
**N A N D Y A L**

## Registration

The Participants Shall Send Duty Filled In the Registration form to below

E-mail ID: [hme.srec@gmail.com](mailto:hme.srec@gmail.com)

## RESOURCE PERSON

**Mr. P. NAGARAJU**

ASST. PROF, ME

**SANTHIRAM ENGINEERING COLLEGE**

NANDYAL-518501, Kurnool Dist.  
Andhra Pradesh

## REGISTRATION FORM

1. Name: \_\_\_\_\_
2. Branch: .....
3. College.....
4. Contact Phone No .....
5. Address for Correspondence.....

\_\_\_\_\_

\_\_\_\_\_ fax

\_\_\_\_\_

### Signature of the Participant

Certified that the about information is true to the best of my knowledge and applicants is authorised to attend

\_\_\_\_\_ Signature of the Principal / HOD

### Chief Patron

Dr. M. Santhiramudu

### Patron

Er. M. Siva ram

### Convenor

Dr. M.V. Subramanyam, Principal

### Co- Convenor

Mr. P. Moulali, Head, Dept. of ME

### Coordinator

Mr. P.MADHURAGHAVA, Asst. Prof of ME

### Organizing Committee

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Mr. M.Ravichandra, Asst. Prof

Mr.R.Siva Kumar, Asst, Prof

Mr. P. Nagaraju, Asst. Prof

Mr. O. Salmon, Asst Prof

Mr. K. L. Srinivasulu, Asst. Prof

### STUDENT COORDINATORS:ME

Mr. V.Subhas Reddy -9573859597

Mr. S.Md. Arshad Ayub -7893605268

Mr. R.V. Punith Kumar 8985575281

Mr. B. Vinay Kumar -9052547114

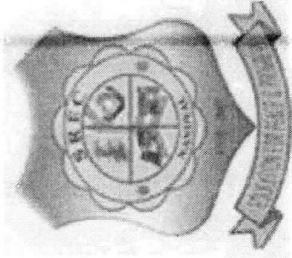
Mr. K. Lakshmi Reddy -9010591485

*Principal*

**Santhiram Engineering College**  
**N A M D V A I**

## "ADD ON PROGRAM ON FOUR WHEELER ENGINE ASSEMBLY & DISSEMBLY"

From 03<sup>th</sup> Oct, 2016 to 08<sup>th</sup> Oct, 2016



Organized By

Department

Of

Mechanical Engineering

SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA,

Anantapuramu

An ISO 9001:2008 certified institution

NH-18, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh

# REGISTRATION FORM

1. Name: .....
2. Branch: .....
3. College: .....
4. Contact Phone No .....
5. Address for Correspondence.....

Phone \_\_\_\_\_

fax \_\_\_\_\_

E-Mail ID \_\_\_\_\_

Signature of the Participant

Certified that the about information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

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Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

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## Co- Convenor

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## Coordinator

Mr. A.SALMON, Asst. Prof of ME

## Organizing Committee

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Mr.R.Siva Kumar, Asst, Prof

Mr. P. Nagaraju, Asst. Prof

Mr. O. Jayaramudu, Asst. Prof

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## STUDENT COORDINATORS:ME

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Mr. S.Md. Arshad Ayub -7893605268

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Mr. R.V. Puneeth Kumar-8985575281

Mr. B. Manay Kumar -9052547114

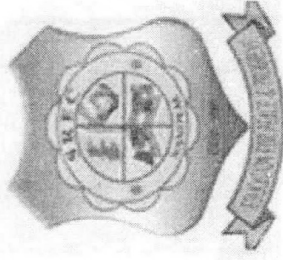
*Principal*

**Santhiram Engineering College**

**N A N D Y A I**

**"COURSE ON INTRODUCTION OF ANSYS WORKBENCH MECHANICAL"**

**From 23<sup>th</sup> JAN, 2017 to 29<sup>th</sup> JAN, 2017**



**Organized By**

**Department Of**

**Mechanical Engineering**

**SANTHIRAM ENGINEERING COLLEGE**

**Approved by AICTE, New Delhi**

**Permanently Affiliated to JNTUA,**

**Anantapuramu**

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**NH-18, NANDYAL-518501, Kurnool Dist.**

**Andhra Pradesh**



## About the college

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## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure Well-equipped laboratories providing lecture videos and E-books for students

## Topics Covered

- Fundamentals of FEM, Workflow in Ansys, Material data.
- **Geometry (Design Modeller)** like Create plan and Sketches, Drawing and modification tools, sizing and Restrictions, sketches and dimensions (Practical examples).
- **Structural static Analysis** like Analysis settings, Load application, Plot results, Result tools, Practice Examples
- **Stationary Thermal Analysis** like thermal contacts & initial conditions, temperature results.

## About The Programme

**INTRODUCTION OF ANSYS WORKBENCH MECHANICAL** is a branch of CAD engineering and Analysis that uses data structures to solve and Analyze problems that involve stress and strain. ANSYS Workbench Mechanical for Analysis for different Engineering parametric models & real world application Problems.

Computers are used to perform the calculations required to simulate the interaction of Engineering Problems in many fields of study & industries including aerodynamics & aerospace analysis, produce model drawings surfaces defined by boundary conditions. With high-speed computers, better results have been achieved.

**Santhiram Engineering College**  
NANDYAL

## Registration

The Participants Shall Send Duly Filled in the Registration form to below  
E-mail ID: [hme.srec@gmail.com](mailto:hme.srec@gmail.com)

## RESOURCE PERSON

**Mr. P.MADHURAGHAVA**  
ASST.PROF, ME

**SANTHIRAM ENGINEERING COLLEGE**  
NANDYAL-518501, Kurnool Dist.  
Andhra Pradesh

**REGISTRATION FORM**  
**One Week Addon Program**

On  
**IoT Based Embedded System Applications in Real Time™**  
**20-25 MARCH 2017**

1. Name :
2. Designation/Year :
3. Dept./ Branch :
4. College :
5. Address for Correspondence :
6. Contact Phone No. :
7. E-mail ID :
8. Registration Fee : **FREE**

**Declaration**  
The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

candidate Signature of the

**CERTIFICATE**

This is to certify that, the above member(s) is/ are bonafide student(s) of our Institution and the information given above is correct.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_  
Signature of  
Head of Institution / Department  
With seal

**ORGANIZING COMMITTEE**

**Chief Patron:**

**Dr. M. Santhiramudu**, Chairman, SREC

**Patron:**

**Er. M. Sivaram**, Managing Director, SREC

**Convener:**

**Dr. M. V. Subramanyam**, Principal, SREC

**Co-Convener:**

**Mr. Y. Mallikarjuna Rao**

Head of the Department of ECE, SREC

**Coordinator:**

**Mr. N. Sreenivasa Rao**  
Asst.Prof -9446432215

The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf. Completed registration form should be sent to us through E-mail: **cnurao.093@gamil.com** on or before 18th March, 2017.

Address for correspondence:

*(Handwritten Signature)*  
**Principal**

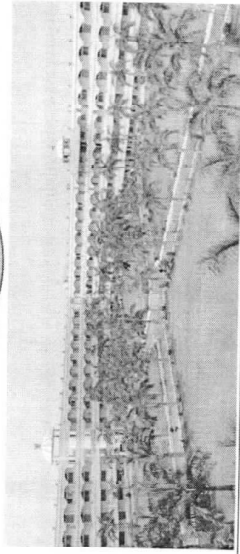
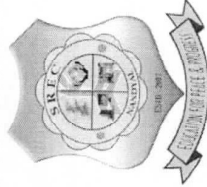
**Santhiram Engineering College**  
Santhiram Engineering College  
NH-18, Nandyal - 518501 (Dist. A.P.)

ONE WEEK ADDON PROGRAM

On

**IoT Based Embedded System Applications in Real Time™**

**20-25 MARCH 2017**



Organized

by

**Department of Electronics and Communication Engineering**

*In Association with*  
**IE(I), ISTE & IEEE Student chapters of SREC.**



**SANTHIRAM ENGINEERING COLLEGE**

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NH-18, Nandyal - 518501 :: Kurnool Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

#### **ABOUT THE COLLEGE**

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#### **ABOUT THE DEPARTMENT**

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 120 in B. Tech programme. The department is also offering one PG Programmes VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has close association with industry and academia, resulted in the establishment. The Dept is having fully experienced dedicated and committed faculty as asset.

#### **ABOUT THE PROGRAM**

This Addon program will provide a platform for IoT in embedded systems. IoT is system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network.

#### **ABOUT Raspberry Pi:**

Did you really think the raspberry Pi would be getting better? At this point, we sound like a broken record, extolling on the new Pi's improvements. Most excited is the addition of a BCM43143 wi-fi chip BUILT-IN to your Raspberry Pi. No peakier wi-fi adapters this pi is ready. There also Bluetooth Low Energy (BLE) on board making the pi an excellent IoT solution

#### **PROGRAM CONTENT:**

- Introduction to the Internet of Things-The Internet of Things, The Basics of Sensors & Actuators, Introduction to Cloud Computing.
- The Arduino Platform- The Arduino Open-Microcontroller Platform, Arduino Basics, Arduino Board Layout & Architecture
- Reading from Sensors, Programming fundamentals (C language)
- Arduino Programming & Interface of Sensors, interfacing sensors with Arduino, Programming Arduino, Reading from Sensors
- Simple LED Program for Arduino, Integrating Sensors & Reading Environmental Physical Values, Reading Environmental Values on Android Smartphone
- Talking to your Android Phone with Arduino, Connecting Arduino with Mobile Device, The Android Mobile OS, Using the Bluetooth Module

Creating Android App using MIT App Inventor & **Santhiram Engineering College** through App, **Vive** **Approved** Mirth Home Automation using Android Smartphone

#### **RESOURCE PERSON**

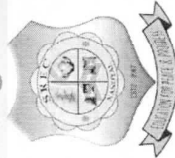
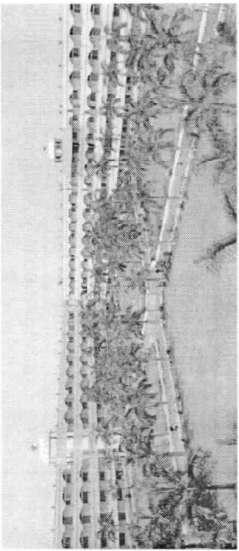


**Ms. G. Sowmya,**  
**Asst.Prof-9441401197**

#### **ELIGIBILITY:**

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

#### **Venue:**

The Department of ECE,  
SREC, Nandyal 518501, AP, India.

<p style="text-align: center;"><b>REGISTRATION FORM</b> One Week Add On Program On 25-30 JULY 2016</p> <p style="text-align: center;"><b>“Image Processing using MATLAB”</b></p> <p>1. Name : 2. Designation/Year : 3. Dept./ Branch : 4. College : 5. Address for Correspondence : 6. ContactPhoneNos. : 7. E-mailID : 8. Registration Fee <b>FREE</b></p> <p>The participants can download Registration Form available on the SREC Website (<a href="http://www.srecnandyal.edu.in">http://www.srecnandyal.edu.in</a>) or otherwise can use the registration form available overleaf.</p> <p>Completed registration form should be sent to us through E-mail: <a href="mailto:ramu.luck@gmail.com">ramu.luck@gmail.com</a> on or before 23 July, 2016.</p>	<p style="text-align: center;"><b>ORGANIZING COMMITTEE</b></p> <p><u>Chief Patron:</u> <b>Dr. M. Santhiramudu</b>, Chairman, SREC</p> <p><u>Patron:</u> <b>Er. M. Sivaram</b>, Managing Director, SREC</p> <p><u>Convener</u> <b>Dr. M. V. Subramanyam</b>, Principal, SREC</p> <p><u>Co-Convener</u> <b>Mr. Y. Mallikarjuna Rao</b> Head of the Department of ECE, SREC</p> <p><u>Coordinator</u> <b>Mr.S. Rambabu</b>, Asst, prof-8331867491</p> <p><u>Students Coordinators</u> <b>Mr. Y. Dileep Kumar Reddy</b> <b>Ms. M.V. Ranga Meghana</b> <b>Mr. K. Siva Dastagiri</b> <b>Mr.B. S Srinivasulu</b> <b>Mr. Prapulla Kumar Reddy</b> <b>Mr. Sarath Reddy</b></p> <p style="text-align: right;">Address for correspondence: <b>Principal</b> <b>Santhiram Engineering College</b> NH-18, Nandyal-518501 (Dist. Kurnool)</p>	<p style="text-align: center;"><b>One Week Add On Program</b> On <b>“Image Processing using MATLAB”</b></p> <div style="text-align: center;">  <p>25-30 JULY 2016</p>  </div> <p style="text-align: center;"><b>Organized by</b> <b>Department of Electronics and Communication Engineering</b></p> <p style="text-align: center;"><i>In Association with</i> <b>IE(I), ISTE &amp; IEEE Student chapters of SREC.</b></p> <div style="text-align: center;">   </div> <p style="text-align: center;"><b>SANTHIRAM ENGINEERING COLLEGE</b> Approved by AICTE, New Delhi Permanently Affiliated to JNTUA, Ananthapuramu, An ISO 9001:2008 Certified Institution Recognized under 2 (f) &amp; 12 (B) of the UGC ACT, 1956 NH-18, Nandyal – 518501:: Kurnool Dist. A.P. Visit us @ <a href="http://www.srecnandyal.edu.in">www.srecnandyal.edu.in</a></p>
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**ABOUT THE COLLEGE**

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurunool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram. The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

**ABOUT THE DEPARTMENT**

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 120 in B. Tech programme. The department is also offering one PG Programmes VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has close association with industry and academia, resulted in the establishment. The Dept is having fully experienced dedicated and committed faculty as asset.

**Santhiram Engineering College  
Nandyal  
Department of Electronics and Communication Engineering  
One Week Add-on Program Organized by**

Department of Electronics and Communication Engineering in Santhiram Engineering College, Nandyal, now a day's image processing is becoming an important assisting tool in many branches of science and engineering such as computer science, electrical and electronic engineering. Many of the techniques of digital image processing such as enhancement, filtering, restoration, representation, morphological processing, compression, object recognition etc are playing a major role in image analysis and computer vision, which attempt to extract meaningful information from digital images. The objective of this guest lecture is to enable participants to engage in advanced study and research and to provide a better exposure for the participants in the fields of Image Processing. By this guest lecture the participants will be able to clearly understand the techniques in image processing.

**Topics to be covered**

- Introduction to course objective of Digital Image Processing.
  - Introduction to MATLAB
  - Fundamentals of Image Processing, Image Sampling and Quantization, Pixel relationships
  - Basics of MATLAB Programming, Mathematical Calculations using MATLAB, Command window, Workspace, Command history, Explanation of different parameters in MATLAB.
  - Image Transforms, Hands-on session on Image transformations.
  - Applications of Image transformations
- Point operations:
1. Image negative and Binary image
  2. Darkening and Brightening image
  3. Power law and Log transformation
  4. Histogram equalization

- Image Enhancement in spatial domain
- Mask operations :
1. Smoothing masks
  2. Sharpening masks
  3. Line detection
  4. Edge detection
- Morphological operations :
1. Morphing of an image
  2. Finding perimeter of an image
  3. Dilate an image
  4. Erode an image
- Noise removal using filters
1. Wiener filter
  2. Median filter

**RESOURCE PERSON**

*Mr. S. Munawar*

*Assistant Professor, Department of ECE, SREC.*

**ELIGIBILITY:**

IV B. Tech ECE Students from host institutions can attend. Total number of participants is limited to 60. Therefore, early registration is highly recommended.

**Venue: Online**

The Department of ECE,  
SREC, Nandyal 518501, AP, India

**REGISTRATION FORM**

Name of the applicant: .....

Designation: .....

Gender : (M/F): .....

Education qualifications: .....

Address for correspondence : ( Including E-mail, Mobile no.) .....

Name of the sponsoring institute/ organization: .....

Demand Draft Amount: Rs: .....

IEI Membership No: .....

DD NO: .....

Bank: .....

Date: .....

This is to certify that  
Mr./Mrs. \_\_\_\_\_ is  
the Student/faculty of \_\_\_\_\_  
Our institution. She/he permitted to attend workshop.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of  
Head of the Institution with seal

**ORGANIZING COMMITTEE:**

*Chief Patron*

**Dr. M.Santhiramudu**  
Chairman, RGM Group of Institutions

*Patron*

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

*Convener*

**Dr. M.V. Subramanyam, MIE**  
Principal, SREC, Nandyal

*Organizing secretary*

**Mr. Y. Mallikarjuna Rao**  
Head of the Department, ECE

*Coordinator*

**Mr. S. Rambabu**  
Asst. Prof. in ECE

*Co-Coordinator*

**Mr.S. Arif Basha**  
Asst. Prof. in ECE

*Students Coordinators*

Miss. V. Ambica

Miss. P. Aparna

Miss. S. Karishma

Miss. Y. Rajeswari

Miss.S. L. Aswini

Mr. P. Naga Manikanta

Mr. S. Veerakanteswara Rao

Mr. U. Hussain Kumar

Mr. M. Sreenath Reddy

*Principal*  
**Santhiram Engineering College**  
**NANDYAL**

One Week Certificate Program on  
**"VLSI CIRCUIT DESIGN  
USING AARON TOOLS"**

08-13 AUG 2016

Organized by



**Department of Electronics  
& Communicative  
Engineering**

In Technical Celebration with Trident  
Techlabs pvt.ltd,

**TECHLABS**

In Association with  
**IE(I), ISTE & IEEE Student chapters of SREC.**



**SANTHIRAM ENGINEERING COLLEGE**

Approved by AICTE New Delhi; permanently  
affiliated to JNTUA, Anantapuramu. An ISO  
9001:2008 Certified institution Recognition of the  
college Under 2(f) & 12(B) of the UGC act,  
1956.NH-18, Nandyal -518501; Kurmool Dist.  
A.P.

## About the College

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal. It was started under the valuable guidance of Dr.M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kumool (Dist) A.P. At present the college offering B. Tech programs in 4 branches & one M. Tech program and MBA. The institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

## Vision

- To provide value based Education in field of Science and technology.
- To become a self sustained University.

## Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

## Motto

- Education for Peace and progress.

## About the Department

The Department of Electronics and Communication Engineering started in the year 2007, offering UG & PG programs with an intake of 120 & 18 and is equipped with the state of the art laboratories and methods in imparting quality education. The Dept is having fully experienced dedicated and committed faculty as asset.

## About the Workshop

AARON is a complete set of CAD tool with tape-out specific portable libraries for VLSI design. AARON tools used to easy learn and develop better electronic products faster with less area & power dissipation. Most power full tool to address the challenges for next -generation designs. This workshop is a gesture of such an attempt to provide a chance to the interested, inquisitive and talented generation in the universities /institute to educate, inspire them to pursue their ambitions of chip designers and make a great impression on country's future.

## Topics to be covered

- Technology and Industry trends in VLSI and role of Academics
- ASIC Design flow and Methodology
- ASIC Front End & Backend Design Flow
- Analog IC Design Flow
- Analog/Digital Layout Design Flow
- Mixed Signal Design Flow
- Design of Combinational and Sequential Circuits based on Aaron.
- CONVERSION INTO
  - VHDL to VERILOG
  - VERILOG to VHDL
  - Schematic to VERILOG/VHDL CODE

**Analysis:** Transient AC Analysis & DC Analysis

- Logic Synthesis Fundamentals
- Physical Design through Aaron Tools
- Introduction to Analog-Mixed-Signal Simulation Methods
- Introduction to Schematic Capture and DRC/LVS, Rule Sets

**Tools Used:** AARON FULL, CUSTOM/SEMI CUSTOM TOOL.

## RESOURCE PERSONS

**Mr. P. Karthik Sharma,**  
Application Engineer,  
Trident Techlabs pvt.ltd,  
Hyderabad

## Eligibility

All III & IV B. Tech ECE students from host institutions can attend. Total number of participants is limited to 80. Therefore, early registration is highly recommended.

## Registration Fees :

IEI Member : Rs 100  
Non-IEI Member : Rs 150

Registration fee should be paid through DD in favor of "The Principal, SREC, Nandyal, Kumool (Dist)". [Spot registration also allowed] No Accommodation & no TA/DA will be paid for attending Workshop.

## Important Dates:

Last date for Registration: 07<sup>th</sup> AUG, 2016

Programs Dates- 08-13 AUG, 2016

## Address for Correspondence:

The Convener,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
Kurnool (Dist), AP.

**Contacts:** +91-9494938755,  
+91-8331867491, 9676575158.

**Santhiram Engineering College**  
NANDYAL

**Chief Patron**

**Dr.M.Santhiramudu**

Chairman, RGM Group of Institutions.

**Patrons**

**Mr.M.Siva Ram**

Managing Director,SREC.

**Dr.M.V.Subramanyam**

Principal,SREC.

**Convener**

**Mr.J.David Sukeerthi Kumar**

Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr.S.Md. Farooq**

Asst.Prof. in CSE Dept.

**Technical Advisory Committee**

**Mr.K.Subba Reddy**

Asso. Prof in CSE Dept, SREC, Nandyal.

**Mr.Madhu Sudhan.**

Asso. Prof. and HOD of CSEDept,

RGMCEI,Nandyal.

**Dr. Raju Bhukya**

Assoc Prof , Dept of CSE, NITW

**Organizing Committee**

1. Dr. M. V. Subramanayam Principal & Chairperson
2. Dr. B. Seshiah HBS
3. Mr. K.Rajashekar Reddy HEEE
4. Mr P. Mouali HME
5. Mr. Y. Mallikarjuna Rao HECE
6. Mr. J. David S Kumar HCSE
7. Mrs. A. K. Neeraja Rani HMBA
8. Dr. Ramesh Raju R & D coordinator
9. Mr. Kishore Naidu TPO
10. Mr. Abdul Mallik Exam section
11. Mr. Madhu Librarian
12. Mr. Chandra Reddy PD

**A COURSE ON IOT ,HARDWARE & APPLICATIONS**

28-09-2016 to 3-10-2016

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

Participant \_\_\_\_\_  
Signature of the \_\_\_\_\_

This is to certify that Mr/Mrs \_\_\_\_\_ is the Student of \_\_\_\_\_ our institution.  
He /She permitted to attend workshop.

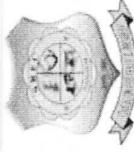
Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of the \_\_\_\_\_  
Sponsoring Authority with seal

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

**SANTHRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi:  
Affiliated to JNT University, Anantapuramu.  
An ISO 9001:2008 Certified Institution,2(f) & 12(B)  
Recognition by UGC Act, 1956  
NH-18, Nandyal -518501.:Kurnool Dist. A.P



**Department of CSE**

In Association with  
**Computer Society of India**  
Presents

**A COURSE ON IOT ,HARDWARE & APPLICATIONS**

28-09-2016 to 3-10-2016

Visit us: [www.srecnandyal.com](http://www.srecnandyal.com)

Email: [srecnandyal@gmail.com](mailto:srecnandyal@gmail.com)



### About the College:

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### Vision

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### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About the Program

This Program gives basic knowledge and clarity in understanding INTERNET OF THINGS concepts like MSP430 PROGRAMMING & INTERFACE OF SENSORS.

### Program Schedule:

**DAY1** Inauguration ,Introduction to the Internet of Things ,The Basics of Sensors & Actuators

**DAY2** Basic IOT Architecture,The IoT Platforms Available

**DAY3** The IoT Platforms Available,MSP430 Board Layout & Architecture

**DAY4** MSP430 Board Layout & Architecture ,Programming fundamentals ( C language )

**DAY5** MSP430 Programming & Interface of Sensors ,MSP430 Programming & Interface of Sensors ,Interfacing sensors with MSP430

**DAY6** Interfacing sensors with MSP430,Interfacing sensors with MSP430, Programming MSP430 & Reading from Sensors, Programming MSP430 & Reading from Sensors , Hands on session

### Instructions for participants

1. The seats are limited and first come first serve basis is followed

Snacks will be provided at the college  
**Santhiram Engineering College**  
arrangements for Lodging & Travelling

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource person

- S. Md. Riyaz Naik Asst Prof., Dept CSE

### SREC,NANDYAL.

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
Kurnool (Dist), AP.

**Contacts:**  
**Mr.J.David Sukeerthi Kumar**

( HOD OF CSE Dept) **9701429254**  
**Mr.S.Md Farooq** Asst.Prof. **9885424311**

**Chief Patron**  
**Dr.M.Santhiramudu**

Chairman, RGM Group of Institutions.

**Patrons**

**Mr.M.Siva Ram**

Managing Director,SREC.

**Dr.M.V.Subramanyam**

Principal,SREC.

**Convener**

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Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr.M.Amareswara kumar** Asst.Prof. in CSE

**Technical Advisory Committee**

**Mr.K.Subba Reddy**

Asso. Prof in CSEDept,SREC,Nandyal.

**Mr.Madhu Sudhan.**

Asso. Prof. and HOD of CSEDept,

RGMCE,Nandyal.

**Mr.P.Radha krsihna Murthi**

Sr. Scientist in CCMB,Hyd

**Organizing Committee**

1. Dr. M. V. Subramanayam Principal & Chairperson
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3. Mr. K. Rajashekar Reddy HEEE
4. Mr P. Moulali HME
5. Mr. Y. Mallikarjuna Rao HECSE
6. Mr. J. David S Kumar HCSE
7. Mrs. A. K. Neeraja Rani HMBA
8. Dr. Ramesh Raju R & D coordinator
9. Mr. Kishore Naidu TPO
10. Mr. Abdul Malik Exam section
11. Mr. Madhu Librarian
12. Mr. Chandra Reddy PD

**CYBER SECURITY & ETHICAL HACKING**

22-01-2017 to 27-01-2017

**REGISTRATION FORM**

1. Name of the Participant:

2. Name of the Institution:

3. Address for Correspondence:

4. Contact Number:

5. Email Id:

Signature of the Participant

This is to certify that Mr/Mrs \_\_\_\_\_ is the Student of \_\_\_\_\_ our institution.

He /She permitted to attend workshop.

Place:

Date:

Signature of the Sponsoring Authority with seal

Principal

**Santhiram Engineering College**  
**NANDYAL**

**SANTHRAM ENGINEERING COLLEGE**

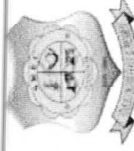
Approved by AICTE, New Delhi:

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Recognition by UGC Act, 1956

NH-18, Nandyal -518501::Kurnool Dist. A.P



Department of CSE

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Presents

**CYBER SECURITY & ETHICAL HACKING**

22-01-2017 to 27-01-2017

Visit us: [www.srecnadyal.com](http://www.srecnadyal.com)

Email: [srecnadyal@gmail.com](mailto:srecnadyal@gmail.com)

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### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About the Program

Google Hacking, Email Hacking, Dos Attacks, Torjens, SQL Injection, Windows Hacking, Mobile Hacking etc. topics will be covered. This workshop aims to give Technocrats a basic knowledge of hacking and how to protect your system against hazardous effects.

### Program Schedule:

**DAY 1** Inauguration ,Introduction to Ethical Hacking , Information Gathering, Attacks, Networking and Basics, Scanning, Computer Forensics-an Introduction ,Windows Hacking-10,7,8,XP, Own Viruses

**DAY2** Road sign hacking and Identify Theft,Google Hacking &amp; Countermeasures

**DAY3** Google Hacking &amp; Countermeasures, Stenography, SMS Forging, Call Forging

**DAY4** Stenography, SMS Forging, Call Forging,Cryptography, Web Hacking and Counter Measures, Firewalls-An Introduction

**DAY5** Facebook Messenger Hacking, Password Cracking, Email Hacking,Whatsapp Hacking, LAN Hacking, Backtrack OS

**DAY6** Whatsapp Hacking, LAN Hacking, Backtrack OS , Sniffing, Linux Hacking, D-Dos Attack, Trojans, DNS-Poisoning, Social Networking Sites Protection,Sniffing, Linux Hacking, D-Dos Attack.

### Instructions to Participants

1. The seats are limited and first cum first serve basis is followed
2. Snacks will be provided at the college premises. Arrangements for lodging & Travelling is

**Principal**

**Santhiram Engineering College**  
Nandyal, Kurnool, A.P.

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### Resource person

**Mr.J.David Sukeerthi Kumar,**

**HOD Of CSE**

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
Kurnool (Dist). AP.

### Contacts:

**Mr.J.David Sukeerthi Kumar**

HOD Of CSE Dept) **9701429254**

**Mr.M.Amareswara kumar Asst.Prof**  
**9949049943**

**Chief Patron**

**Dr. M. Santhiramudu**

Chairman, RGM Group of Institutions.

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Managing Director, SREC.

**Dr. M. V. Subramanyam**

Principal, SREC.

**Convener**

**Mr. J. David Sukeerthi Kumar**

Asst. Prof. & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr. S. Nagendrudu** Asst. Prof. in CSE

**Technical Advisory Committee**

**Mr. K. Subba Reddy**

Asso. Prof in CSE Dept, SREC, Nandyal.

**Mr. Madhu Sudhan.**

Asso. Prof. and HOD of CSE Dept,

RGM CET, Nandyal.

**Dr. Raju Bhukya**

Assoc Prof, Dept of CSE, NITW

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6. Mr. J. David S Kumar
7. Mrs. A. K. Neeraja Rani
8. Dr. Ramesh Raju
9. Mr. Kishore Naidu
10. Mr. Abdul Malik
11. Mr. Madhu
12. Mr. Chandra Reddy

HBS  
HEEE  
HME  
HECE  
HCSE  
HMBA  
R & D Coordinator  
TPO  
Exam section  
Librarian  
PD

**ANDROID APPS & DEVELOPEMENT**

21-02-2017 to 26-02-2017

**REGISTRATION FORM**

1. Name of the Participant:

2. Name of the Institution:

3. Address for Correspondence:

4. Contact Number:

5. Email Id:

Signature of the Participant

This is to certify that Mr/Mrs \_\_\_\_\_ is the Student of \_\_\_\_\_ our institution.

He /She permitted to attend workshop.

Place:

Date:

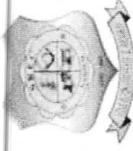
Signature of the  
Sponsoring Authority with seal

*[Handwritten Signature]*  
Principal

**Santhiram Engineering College**  
NANDYAL

**SANTHIRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi:  
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Presents

**ANDROID APPS & DEVELOPEMENT**

21-02-2017 to 26-02-2017

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Email: [srecnadyal@gmail.com](mailto:srecnadyal@gmail.com)

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*Education For Peace & Progress*

### About The Program

This Program on "ANDROID APPS & DEVELOPEMENT" will allow to learn to develop applications in the latest operating system with practical implementation and begin managing your own cool applications like a professional at this workshop.

### Program Schedule:

#### DAY1

Inauguration , Introduction to Android Technology, Introduction to Android SDK, How to install Android Plug in.

#### DAY2

Advantages & Disadvantages, Why XML, Android Installation

#### DAY3

Why XML, Android Installation, Hello Program, Designing of Application

#### DAY4

Designing of Application, Phone Call, Simple registration and login app like as Facebook

#### DAY5

Phone Call, Simple registration and login app like as Facebook, Audio Recorder App

#### DAY6

Audio Recorder App, Music Player App, Flash Light Torch App Hands on session

### Instructions to participants

1. The seats are limited and first come first serve basis is followed

2. Snacks will be provided at the college premises and participants have to make their own arrangements for the same.

**Principal**  
Santhiram Engineering College  
NANDYAL

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource person

Mr. S.Md Farooq Assit professor,  
SREC NANDYAL

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
Kurnool (Dist). AP.

### Contacts:

Mr.J.David Sukeerthi Kumar  
HOD OF CSE Dept| 9701429254  
Mr.S.Nagendrudu Asst.Prof  
8978459573

# REGISTRATION FORM

1. Name: -----
  2. Branch: .....
  3. College.....
  4. Contact Phone No .....
  5. Address for Correspondence.....
- \_\_\_\_\_
- \_\_\_\_\_
- Phone \_\_\_\_\_ fax \_\_\_\_\_
- E-Mail ID \_\_\_\_\_

## Signature of the Participant

Certified that the above information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co- Convenor

Dr.B.Seshaiah,Head,  
Dept. of BS

## Coordinator and Recourse persons

Mr.A.G.Venkateswarulu ,  
Asst. Prof of B.S

## Organizing Committee

Mr.S.Basher ahamad Asst,Prof  
Mr.C.Shankar goud Asst.Prof

## Student Coordinators:

Maresh.C

CSE

Baba Sohail.S

ECE

Pawan Kumar.R.V

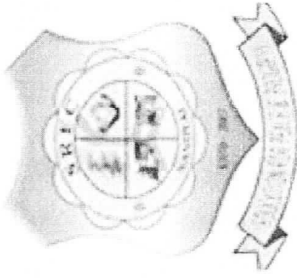
EEE

Principal

**Santhiram Engineering College**  
**N A N D Y A I**

“A COMPLETE PERSONAL DEVELOPMENT AND  
PERSONAL TRANSFERMENT”

From 21 Dec, 2016 to 26 Dec, 2016



Organized By

Department  
Of  
Basic Sciences

SANTHIRAM ENGINEERING COLLEGE  
Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA,  
Anantapuramu  
An ISO 9001:2015 certified institution  
NH-40, NANDYAL-518501,Kurnool Dist.  
Andhra Pradesh

## About the college

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M.Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurnool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

### Vision

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

### Mission

To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

1. To establish postgraduate programs in the current and Advanced Technologies.
2. To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.
3. To propel every individual, realize and act for the technical development of the society.

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory setups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: • Engineering Physics • Engineering Chemistry • Mathematics • English Language and Communication

## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

### Personal Development, Personal

### Transformation, and Finding Your Life

**Purpose** - All humans grapple with these topics, but only some create a meaningful process for living life to its full potential. This is the longest, most thorough and detailed

We live in a modern world of overabundance everywhere. We face an overabundance of stimulation and content coming at us from our cell phones and screens. And we are overwhelmed with things to do. **Santhiram Engineering College** is a place where we are filled with food and snacks made available to use every waking moment.

## Registration

For Registration contact Mr.C.Shankar goud,Asst.Prof. In English.

### Note:

1. Students are advised to register well in advance.

## RESOURCE PERSON

**Mr.A.G.VENKATESWARULU**

Asst.prof. of English

**SANTHIRAM ENGINEERING COLLEGE**

**NANDYAL-518501, Kurnool Dist.**

Andhra Pradesh

## About the college

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## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

Course will teach you everything you need to know in order to master using a computer. Globally, people rely on computer technology to grow their careers, improve their lives, and to expand their opportunities. The course will run you through all of the basic concepts and techniques of using a personal computer, getting you up to speed with modern personal computing technology in no time at all.

**Santhiram Engineering College**  
N A N D Y A L

## Registration

For Registration contact Mr.M.Suresh Babu ,Asst.Prof. In Mathematics.

### Note:

1. Students are advised to register well in advance.

## RESOURCE PERSON

**Mr.M.Prasad**

Asst.prof. of Matheamtaics

&

**Mr.S.Riyaz**

Asst.prof. of CSE

**SANTHIRAM ENGINEERING COLLEGE**  
**NANDYAL-518501, Kurnool Dist.**  
**Andhra Pradesh**





## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

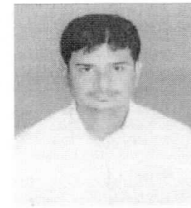
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MASTER OF BUSINESS ADMINISTRATION

**Add –on Program on Production and Stock Management**

### *Speaker Profile*



Name : **Mr K Vinod Kumar**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9907668402

E-Mail: vinodkuamr@gmail.com


Qualification : MBA

Experience : 5 Years

Areas of Interest: Marketing and Supply chain Mgt.

### **Breif Profile:**

He is a MBA Graduate from Osmania University, done his BSC from Rayalaseema University, Kurnool .He is having more than 5 years of vast teaching experience in PG level and Published more than 6 International/National publication in the reputed Journals . He is an expertise in teaching the subjects of Accounts, Finance and General Management.

  
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### DEPARTMENT OF MBA

**SREC/MBA/SP/2016-06**

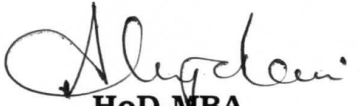
**Dt27/08/2016**

### CIRCULAR

The Dept of MBA is organizing an **ADD-ON PROGRAM** on **PRODUCTION AND STOCK MANAGEMENT** for the students of I year MBA from **01/09/2016 onwards**. **Mr. K Vinod Kumar**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.


All the interested Students are advised to register their names to the program coordinator **Mr. M Vijay Kumar**, Asst. Prof, Dept of MBA on or before **29.08.2016**.

  
**Program Coordinator**

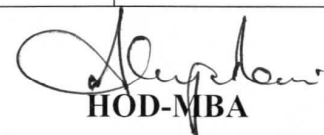
  
**HoD-MBA**


**Copy to:-**

1. The Principal
2. All HODs
3. Department Notice Board

  
**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

<b>Name of the Course:</b> Add on Program On Production and Stock Management		
<b>Course Code:</b> MBA-02-2016-2017	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
<b>Objective:</b>		
<ul style="list-style-type: none"> <li>To understand how the knowledge of materials management can be an advantage to logistics and supply chain operations.</li> <li>To realize the importance of materials both in product and service.</li> <li>Use of MRP, ERP and PLM in managing materials</li> </ul>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>To sensitize the students on the materials management functions – Planning, Purchase, Controlling, Storing, Handling, Packaging, Shipping and Distributing, and Standardizing</li> <li>Identify, study, compare, and evaluate alternatives, select and relate with a good supplier</li> <li>The Students has able to understand the importance of Production and stock Management in the organization</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to Production and Inventory Control	02
02	Demand Forecasting	03
03	Inventory (EOQ, Newsvendor, Multi-products, Multi-echelon, etc.)	04
04	MRP, ERP, JIT	02
05	Factory Dynamics	04
06	Push, • Pull and Hybrid Production Systems	04
07	Production Scheduling	04
08	Supply Chain Management	02
09	Distribution and Logistics	02
10	Cases	03
<b>Total Lecture Hrs.</b>		<b>30</b>


  
 HOD-MBA

  
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**Trainer Details:**

Trainer Name : **Mr. S.Srinivas**  
Qualification : **B.Tech(CSE)**  
Experience : Software professional with 8 yrs experience in Data structures/C/C++/SQL/PL SQL/ORACLE

  
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

One Week Certification Programme On c++  
 By SUNTEK CORP HYDERABAD 05/09/2016 to 10/09/2016

#### Program Schedule:

DATE	HOUR	TOPICS COVERED
05-09-2016	10.00 am to 11.10 am	<b>Basics</b>
		Introduction to C++
		Different paradigms of problem solving
		POP vs OOP
	11.10 to 11.30 am	Features of Object Oriented Programming Languages
		Tea break
	11:30 am to 1:10 Pm	Object
		Class
		Abstraction
		Encapsulation
		Inheritance
		Polymorphism
		Dynamic Binding
		Message Communication
1:10 pm to 2:20 pm	Constants	
	Variables	
2:20 pm to 4:50 pm	Lunch break	
	Keywords	
	Data types	
	Declaration of Variables	
	Output Stream (cout) & Manipulators	
	Input Stream (cin)	
	Comments	
	Operators	
	Arithmetic operators	
	Relational operators	
	Logical operators	
	Assignment operators & compound assignment operations	
	Increment & decrement operators	
	Conditional operators	
Bitwise operators		
06-09-2016	10.00 am to 11.10 am	Shift operators
		Type casting
		Compound assignment operators

  
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

	Comma operator
11.10 to 11.30 am	Tea break
11:30 am to 1:10 Pm	Pointer operator
	Sizeof operator
	new operator
	delete operator
	Control Statements
	Conditional Control Statements
	If, if-else
	nested if-else, if-else-if ladder
	Multiple Branching Control Structure
	switch-case
Loop Control statements	
1:10 pm to 2:20 pm	Lunch break
2:20 pm to 4:50 pm	while
	do-while
	for
	Nested Loops
	Jump Control structures
	break
	continue
	goto
	return
	Arrays
	Strings
	Structures
	Pointers
10.00 am to 11.10 am	Dynamic memory allocation using new and delete
	Dynamic memory allocation using new and delete
	<b>Functions</b>
	Defining a Function
	Calling a Function
	Return statement
	Function Prototype
	Basic Function Designs
	Scope
	Reference variables
11.10 to 11.30 am	Tea break
11:30 am to 1:10pm	Recursion
	Parameter Passing Methods

07-09-2016

  
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

	Call by value
	Call by address
	Call by reference
	Function Overloading
	Default Arguments
	Inline Functions
	<b>Classes and Objects</b>
	Defining a Class
1:10 PM TO 2:20 PM	LUNCH BREAK
2:20 PM TO 4:50 PM	Creating Objects
	Access specifiers
	Accessing Class Members
	Scope Resolution Operator (::)
	Defining Member Functions
	Outside the class
	Inside the class
	Member function with argument
	This pointer
	Returning Objects
10.00 am to 11.10 am	Array of objects
	Pointer to object
	Dynamic objects
	<b>Friend Functions</b>
	<b>Friend Class</b>
	<b>Composition</b>
	Container class
	Contained class
11:10 AM TO 11:30 AM	TEA BREAK
11:30 AM TO 1:10 PM	Programs
	Student Class
	Employee Class
	Complex Class
	Matrix Class
	Rational Class
	Circle Class
	Rectangle Class
	<b>Constructors &amp; Destructors</b>
1:10 PM TO 2:20 PM	LUNCH BREAK
2:20 PM TO 4:50 PM	Constructors

08-09-2016

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### DEPARTMENT OF TRAINING & PLACEMENT CELL

		Properties of constructors Types of constructors Default Constructors Parameterized Constructors Copy Constructors Constructor Overloading Constructors with Default Arguments Destructors Differences between Member functions & Constructors Differences between Constructors & Destructors Static Data Members Static member functions
	10:00 AM TO 11:10AM	Constant data members Constant Member Functions <b>Operator Overloading</b> Defining Operator Overloading Function Overloading Unary Operators Overloading Binary Operators Overloading Unary Operators using Friend Functions
	11:10 AM TO 11:30 AM	TEA BREAK
	11:30 AM TO 1:10 PM	Overloading Binary Operators using Friend Functions Overloading << & >> Programs <b>Inheritance</b> Class hierarchies Base classes Derived Classes Derived Class Definition
	1:10 PM TO 2:20 PM	LUNCH BREAK
	2:20 PM 4:50 PM	Access specifier : protected Types of Inheritance & Programs Single inheritance Multiple inheritance Hierarchical inheritance Multi-level inheritance Hybrid inheritance Multi-path inheritance Constructors in Derived Classes Destructors in Derived Classes <b>Polymorphism and Virtual Functions</b>

09-09-2016

  
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

10-09-2016		Static Binding
		Dynamic Binding
		Virtual Destructor
		Function Overriding
	10:00 AM TO 11:10 AM	Accessing Members using Pointers
		Virtual Functions
		Pure Virtual Functions
		Abstract Classes
		Virtual Destructors
		<b>Templates</b>
	11:10 AM TO 11:30 AM	Introduction
		TEA BREAK
	11:30 AM TO 1:10 PM	Advantages
		Function Templates
		Over loading function template
		Class Templates
		Inheritance Class Templates
		<b>Exception Handling</b>
		Types of Errors
		Benefits of exception handling
try, catch, throw keywords		
Throwing an exception		
1:10 PM TO 2:20 PM	LUNCH BREAK	
2:20 PM TO 4:50 PM	'try' block	
	Catching an exception	
	Exception objects	
	Rethrowing an exception	
	Exception Handling Mechanism	
	Catching all exceptions	
	Nested try blocks	

Program coordinator

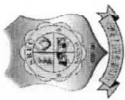
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 NANDYAL



Mr. Shiva Kumar possesses 5+ years of rich experience in Corporate Training. He expertise in both class room and online training. His confidence stems from well-developed interpersonal skills and core technical experience. He is a highly dedicated trainer, and individual who is passionate about both his subject and students. His uniqueness is giving real time examples in the class making students easy to understand. He handled volume based classes specifically on Core Java and Advanced Java. He also expertise in Oracle training. His specialty in training is building confidence on subject to his students for developing any kind of project on their own. He conducted trainings in many engineering colleges. He guided many students make them to select in placements.

  
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DATE	HOUR	TOPICS COVERED	REMARKS
	1	<b>Introduction to DBMS</b>	
	1	Approach to Data Management	
	1	Introduction to prerequisites	
	1	File and Filesystem	
	2	Disadvantages of file	
	2	Review of Database Management Terminology	
	2	Database Models	
	2	Hierarchical Model	
	2	Network Model	
	3	Relational Model	
	3	<b>Introduction to RDBMS</b>	
	3	Feature of RDBMS	
	3	Advantages of RDBMS over FMS and DBMS	
	3	The 12 rules (E.F Codd's Rules –RDBMS)	
	4	Need for Database Design	
	4	Support of Normalization Process for Data Management	
	4	Client-Server Technology	
	4	Oracle Corporation Products	
	4	Oracle Versions	
	5	About SQL&SQL*PLUS	
	5	<b>Sub Language Commands</b>	
	5	Data Definition Language (DDL)	
	6	Data Retrieval Language (DRL)	
	6	Data Manipulation Language (DML)	
	6	Transaction Control Language (TCL)	
	6	Database Security and Privileges (DDL)	
	1	<b>Introduction to SQL Database Objects</b>	
	1	Oracle Pre Defined Datatypes	
	1	DDL Commands	
	2	Create, Alter (add, modify, rename, drop) Columns, Rename, truncate, drop	
	2	DML-Insert, update, delete	

13/02/2017

*[Handwritten Signature]*

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2	DQL-SELECT Statements using WHERE clause	
2	Comparison and Conditional Operators	
2	Arithmetic and Logical Operators	
3	Set Operators (UNION, UNION ALL, INTERSECT, MINUS)	
3	Special Operators – IN (NOT IN), BETWEEN (NOT BETWEEN), LIKE (NOT LIKE), IS NULL (IS NOT NULL)	
3	Working with DML, DRL Commands	
3	Operators Support	
4	<b>Built-in Functions</b>	
4	Arithmetic Functions, Character Functions, Date Functions, Conversion Functions	
4	Aggregate Functions, OLAP Functions & General Functions	
5	<b>Grouping the Result of a Query</b>	
5	Using Group by and Having Clause of DRL Statement	
5	Using Order by clause	
6	<b>Working with Integrity Constraints</b>	
6	Importance of Data Integrity	
6	Support of Integrity Constraints for Relating Table in RDBMS	
1	NOT NULL constraint	
1	UNIQUE constraint	
1	PRIMARY KEY constraint	
1	FOREIGN KEY constraint	
1	CHECK constraint	
2	Working with different types of Integrity Constraints	
2	<b>REF constraint</b>	
2	Understanding ON DELETE clause in referential integrity constraint	
3	Working with a composite constraint	
3	Applying DEFAULT option to columns	
3	Working with multiple constraints upon a column	
3	Adding constraints to a table	
3	Dropping of constraints	
4	Enabling / Disable constraints	
4	Querying for constraints information	
4	<b>Querying Multiple Tables (Joins)</b>	
5	Equi Join/Inner Join/Simple Join	
5	Cartesian Join	
5	Non-Equi Join	
5	Outer Joins	
6	Self Join	
6	<b>Working with Sub Queries</b>	
6	Understanding the practical approach to Sub Queries/Nested Select/Sub Select/Inner Select/Outer Select	

14/02/2017

*(Signature)*  
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NANDYATI

15/02/2017

1	What is the purpose of a Sub Query?	
1	Sub Query Principle and Usage	
1	Type of Sub Queries	
1	Single Row	
1	Multiple Row	
2	Multiple Column	
2	Applying Group Functions in Sub Queries	
2	The impact of Having Clause in Sub Queries	
2	IN, ANY/SOME, ALL Operators in Sub Queries	
2	PAIRWISE and NON PAIRWISE Comparison in Sub Queries	
3	Be ... Aware of NULL's	
3	Correlated Sub Queries	
3	Handling Data Retrieval with EXISTS and NOT EXISTS Operators	
3	<b>Working with DCL, TCL Commands</b>	
4	Grant, Revoke	
4	Commit, Rollback, Savepoint	
4	SQL Editor Commands	
4	SQL Environment settings	
5	<b>Maintaining Database Objects</b>	
5	<b>VIEWS in Oracle</b>	
6	Understanding the Standards of VIEWS in Oracle	
6	Types of VIEWS	
6	Relational Views	
6	Object Views	
1	Prerequisites to work with views	
1	Practical approach of SIMPLE VIEWS and COMPLEX VIEWS	
1	Column definitions in VIEWS	
1	Using VIEWS for DML Operations	
1	In-Line View	
2	Forced Views	
2	Putting CHECK Constraint upon VIEWS	
2	Creation of READ ONLY VIEWS	
2	Understanding the IN LINE VIEWS	
2	About Materialized Views	
3	View Triggers	
3	Working with Sequences	
3	Working with Synonyms	
4	Working with Index and Clusters	
4	Creating Cluster Tables, Implementing Locks, working with roles	

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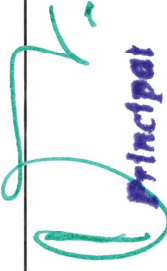
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5	<b>Pseudo Columns in Oracle</b>	
5	Understanding Pseudo Columns in Oracle	
5	Types of Pseudo Columns in Oracle	
6	CURRVAL and NEXTVAL	
6	LEVEL	
6	ROWID	
6	ROWNUM	
1	<b>Data Partitions and Parallel Process</b>	
1	Types of Partitions	
1	Range Partitions	
1	Hash Partitions	
2	List Partition	
2	Composite Partition	
2	Parallel Query Process	
2	<b>Locks</b>	
3	Row level Locks	
3	Table Level Locks	
3	Shared Lock	
3	Exclusive Lock	
4	Dead Lock	
4	<b>SQL * Loader</b>	
4	SQL * Loader Architecture	
5	Data file (Input Datafiles)	
5	Control file	
5	Bad file	
5	Discard file	
6	Log file	
6	.txt to base table	
6	.csv to base table	
6	From more than one file to single table	

16/02/2017

17-02-2017

18-02-2017

  
**Principal**  
**Santhiram Engineering College**  
**N A N D Y A I**

One week certification programme on ORACLE from:13.02.2017 To 18.02.2017  
Registration Form

SNO	Regd no	Name of the student	Year	Branch	Signature of the student
1	124K1A0510	GANAPAM SAHEETYA	2013	CSE	Saheetya
2	12X51A0542	T.SAIDEEKSHITH MOWRYA	2013	CSE	T. Saideekshith
3	13X51A0501	ACHYUTHA REDDY.A	2013	CSE	Achyutha Reddy.A
4	13X51A0503	AKBAR.M	2013	CSE	Akbar
5	13X51A0504	APUROOPA.M	2013	CSE	M. Apuroopa
6	13X51A0505	ASHA.R	2013	CSE	prasha
7	13X51A0506	B.NAGA PADMAJA	2013	CSE	B. Naga Padma
8	13X51A0507	CHANDRIKA.M	2013	CSE	chandritha.M
9	13X51A0508	DIGUVAPATI SUBBA REDDY	2013	CSE	Subba Reddy
10	13X51A0509	GOUTHAMI.N	2013	CSE	N. Gouthami
11	13X51A0510	M .SWAROOPA RANI	2013	CSE	Swaroopa
12	13X51A0511	HARIKA.S	2013	CSE	Harika.S
13	13X51A0512	HARSHINI.K.V.	2013	CSE	K.v Harshini
14	13X51A0513	HINDUJA.S	2013	CSE	S. Hinduja
15	13X51A0514	JAYA DEEP.T	2013	CSE	Jayadeep
16	13X51A0516	KIRANMAL.P	2013	CSE	K. Kiranmai.P
17	13X51A0517	V KRISHNA CHAITANYA	2013	CSE	V. Krishna chaitanya
18	13X51A0518	KRISHNA KARTHIK.P	2013	CSE	P. Krishna karthik
19	13X51A0519	MANVITHA.V	2013	CSE	V. manvitha
20	13X51A0520	MURALIDHAR.A	2013	CSE	Muralidhar.A
21	13X51A0521	PANYAM NAGA DIVYA	2013	CSE	P. Naga divya
22	13X51A0522	K. NAGA SOWJANYA	2013	CSE	K. Naga Sowjanya
23	13X51A0523	PALURU NAGA SUSMITHA KRISHNA	2013	CSE	P. Naga susmitha
24	13X51A0524	R. NARASIMHA REDY	2013	CSE	R. narasimha Reddy
25	13X51A0525	LAGISETTY NAVEENA	2013	CSE	L. Naveena
26	13X51A0526	SIGARAMBOTLA NINITHA	2013	CSE	S. Ninitha
27	13X51A0527	V.PHANINDRA	2013	CSE	V. Phanindra
28	13X51A0528	K.RAMYA TEJA	2013	CSE	K. Ramya Teja
29	13X51A0529	BUKKASAMUDRAM RAVINDRA REDDY	2013	CSE	B. Ravindra
30	13X51A0530	ALLAGADDA ROJA	2013	CSE	A. roja
31	13X51A0531	ADIREDDY RUPA	2013	CSE	Adireddy rupa
32	13X51A0532	ARAVETI SANDEEP	2013	CSE	A. Sandeep.
33	13X51A0533	TALARI SARITHA	2013	CSE	T. saritha
34	13X51A0534	VANGALA SIREESHA	2013	CSE	V. Sireesha
35	13X51A0535	JINKALA SNEHA	2013	CSE	J. Sneha
36	13X51A0536	KUDUMULA SUNIL KUMAR REDDY	2013	CSE	K. Suneel kumar reddy
37	13X51A0537	CHITTE PRATHIBHA SUNIL	2013	CSE	NR

38	13X51A0538	K.SUPRAJA	2013	CSE	K. Supraja
39	13X51A0539	NARAYANA SUSHRUTHA	2013	CSE	N. Sushrutha
40	13X51A0540	NARASAPURAM TEJESWINI	2013	CSE	N. Tejeswini
41	13X51A0541	DONTHU USHA MADHURI	2013	CSE	NR
42	13X51A0542	SUNKU VISHNU PRIYA	2013	CSE	S. Vishnu Priya
43	13X51A0543	K.YAMUNA	2013	CSE	K. Yamuna
44	14X55A0501	TENKAYALA SHAIKSHAVALI	2013	CSE	T. Shaikshavali





## ABOUT THE COLLEGE

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross road on NH-18 with a motto of "Education for Peace & Progress".

### Vision

- To provide value based Education in Technical field.
- To become a Self Sustained University.

### Mission

- To establish Postgraduate Programs in Advanced Technologies.
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE & CSI etc.

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The Department is having well qualified, dedicated and rich experienced faculty to enrich new concepts in students and develop their knowledge.

### Mission:

*"To provide value based education in Electrical Engineering Field".*

**Contact Us**  
**Mr. M. SIVA SANKAR**  
Program Incharge / Principal

Ph: 9505885988  
Email: [siva.sankar204@gmail.com](mailto:siva.sankar204@gmail.com)  
**Santhiram Engineering College**  
N A N D Y A L

A ONE WEEK CERTIFICATE  
COURSE ON

## POWER MANAGEMENT USING POWER ELECTRONICS (Dates: 09<sup>th</sup> to 14<sup>th</sup> Oct, 2017)

*Organized by*  
**DEPARTMENT OF  
ELECTRICAL & ELECTRONICS  
ENGINEERING**

**In Association with**  
**DIGITAL SHARK BANGALORE**



## SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi:  
Permanently Affiliated to JNT University, Anantapuramu,  
An ISO 9001:2008 Certified Institution  
Recognition of the college under 2 (f) & 12 (B) of the UGC  
ACT, 1956

NH-40, Nandyal - 518501 :: Kurnool Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)  
E-mail: [hod.eee@srecnandyal.edu.in](mailto:hod.eee@srecnandyal.edu.in)

**CHIEF PATRON :**

**Dr. M. Santhiramudu**, Chairman

**PATRON :**

**Er. M. Sivaram**, Managing Director

**CONVENER :**

**Dr. M. V. Subramanyam**, Principal, SREC

**CO-CONVENER :**

**Mr. K. Rajasekhara Reddy**, HOD-EEE

**TECHNICAL ADVISORY COMMITTEE :**

**Dr. D. V. Ashok Kumar**

Dean, RGM CET, Nandyal

**Dr. T. Vinay Kumar**

Professor, NIIT, Warangal

**Dr. V. Nagabhasakar Reddy**

Professor, HOD, RGM CET

**Dr. Sathish Gopi Shetty**

Professor, GPREC, Kurnool

**COORDINATORS :**

**M. Siva Sankar**, Asst. Prof.

**Ms. P. Shahanaz Salma**, Asst. Prof.

**ORGANIZING COMMITTEE :**

**Mr. U. M. Sandeep Kumar**, Asst. Prof

**Mr. M. Y. Veeresh**, Asst. Prof

**Mr. A. Raghavendra Prasad**, Asst. Prof.

**Mr. S. Seetharamudu**, Asst. Prof

**STUDENT COORDINATORS:**

Harshavardhan . P

Prasad. A. V.

Krishna teja . P

Manjunath Kumar. K

**RESOURCE PERSONS**



**Mr. M. Rajesh**

Sr. Application Engineer  
Digital Shark, Bangalore



**Mr. Bs. Mahesh**

Sr. Application Engineer  
Digital Shark, Bangalore

**TOPICS**

- ✓ Study of DC-DC Buck Converter. Using TPS7A4901 and TPS7A8300
- Impact of line and load conditions on drop out voltage.
- Impact of line and load conditions on efficiency.
- Impact of capacitor on PSRR.
- Impact of output capacitor on load transient response.
- ✓ Design of Low cost Boost converter to derive 12V, 100mA from 5V USB.
- ✓ Design of Low cost synchronous buck converter.
- ✓ Design of low cost and power efficient Buck Converter that could be used as a USB charger for mobile devices deriving its power from an automotive battery.

**IMPORTANT POINTS TO PARTICIPANTS:**

- ✓ Eligibility: III & IV E Tech - EEE (Pursuing) - Students
- ✓ Free registration
- ✓ Certificate of Participation Provided to active Participants only.

**Santhiram Engineering College**  
NANDYAL

**A ONE WEEK CERTIFICATE  
COURSE ON  
POWER MANAGEMENT USING  
POWER ELECTRONICS**

**REGISTRATION FORM**

**Name :**

**Year / Sem:**

**College :**

**Address for Correspondence:**

**Contact Phone Nos:**

**E-mail ID :**

**Signature of the candidate  
CERTIFICATE**

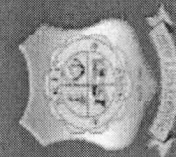
This is to certify that, the above member is/are bonafide student(s) of our institution and the information given is correct

**Place:**

**Date:**

Signature with seal

Head of Department/ Institution



# SANTHIRAM ENGINEERING COLLEGE::NANDYAL

Approved by AICTE, NEW DELHI; Permanently Affiliated to JNTUA, Anantapuramu,  
An ISO 9001:2015 Certified Institution; Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956,  
NH-40, Nandyal-518501, Kurnool-Dist., Andhra Pradesh

## A One Week ADD-ON Program

ON

# DESIGN & ANALYSIS OF POWER SYSTEM BY USING POWER WORLD SIMULATOR SOFTWARE

Organized by

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

IN ASSOCIATION WITH IE (I) & IEEE STUDENT CHAPTERS, SREC

### ABOUT THE COLLEGE

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerwada cross road on NH-40 with a motto of "Education for Peace & Progress".

#### VISION

- To provide value based Education in Technical field.
- To become a Self-Sustained University.

#### MISSION

- To establish Postgraduate Programs in Advanced Technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE, CSI & IEEE etc.

### ABOUT THE PROGRAM

Power World Simulator (Simulator) is a power system simulation package designed from the ground up to be user-friendly and highly interactive. Simulator has the power for serious engineering analysis, but it is also so interactive and graphical that it can be used to explain power system operations to non-technical audiences. Simulator is actually a number of integrated products. At its core is a comprehensive, robust Power Flow Solution engine capable of efficiently solving systems of up to 60,000 buses. This makes Simulator quite useful as a standalone power flow analysis package. Unlike other commercially available power flow packages, however, Simulator allows the user to visualize the system through the use of full-colour animated one line diagrams with full zooming and panning capability.

The objective of this course is to present methods of power system analysis and design, particularly with the aid of a personal computer, in sufficient depth to give the student the basic theory at the undergraduate level. This is the main objective of this program is to develop students thinking processes, enabling them to reach a sound understanding of the various topics related to power system engineering, while motivating their interest in the electrical power industry.

### ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The department is having well experienced & highly skilled faculty.

#### DEPARTMENT ACHIEVEMENTS:

- Bang the UNIVERSITY GOLD MEDAL in 2015.
- Received THREE PRATHIBHA AWARDS from Government of Andhra Pradesh. TWO AWARDS in the year 2015 and ONE AWARD in the year 2017.
- Stood Three Times College Topper in the year of 2013, 2015 and 2017.
- 17 students secured All India GATE Ranks and 11 Students Achieved below 10,000 All India Rank.
- 9 students participated in National Level Sports/Games event, representing JNTUA Anantapuram.
- A total of 25 Prize winning Paper Presentations has been produced. In that, 10 First prize, 6 Second Prize and 9 Third Prize.
- Students placed in Top MNC companies.

**Mission: "To provide value based education in Electrical Engineering"**

## INSTRUCTION TO THE PARTICIPANTS

- Registration fee for IE & IEEE Members : Rs.450/-
- Registration fee for non-membership person:Rs.500/-
- All EEE III & IV B.Tech/BE pursuing students are eligible

## TOPICS TO BE COVERED

- ❖ Introduction to Power systems – Generation, Transmission and Distribution.
- ❖ Introduction to power quality – issues and remedies.
- ❖ Power flow Problem in Polar coordinates & Handling of voltage control buses.
- ❖ Power flow solutions using Gaus Seidel Method & Newton Raphson method.
- ❖ Introduction to Power world simulator software – power flow solutions.
- ❖ Short circuit analysis – symmetrical & Unsymmetrical analysis.
- ❖ Short circuit analysis with PWS software.
- ❖ Design & Simulation Power system Using PWS software
- ❖ Hands on session- solutions for analysis.

## RESOURCE PERSON DETAILS

### Mr.U.M.SANDEEP KUMAR

Assistant Professor  
Department of EEE,  
Santhiram Engg., College, Nandyal.

## CONTACT DETAILS

### Coordinator

SEETHARAMUDU S

Asst.Prof. Dept. of EEE

Ph.No. 7650002646

Email: s.raimudu46@gmail.com

## HOW TO REACH US:

The college is located at Panyam on NH-40 between Kurnool & Y. K. Reddy  
**Santhiram Engineering College**  
Kurnool and 120 Km from Kadapa). From Nandyal Railway station it is just 14 Km and from Bus stand

### Chief Patron:

Dr. M. Santhiramudu

Chairman

### Patron:

Er. M.sivaram

Managing Director

### Convener:

Dr. M.V.Subramanyam

Principal, SREC

### Co-Convener:

Mr.K. Rajasekhara Reddy

HOD-EEE

### Coordinators

Mr. S. Seetharamudu,

Asst.Professor

### Technical Advisory Committee

Dr. D. V. Ashok Kumar

Dean, RGM CET, Nandyal

Dr. T. Vinay Kumar

Professor, NIIT, Warangal

Dr. V. Nagabhaskar Reddy

Professor, HOD, RGM CET

Dr. Sathish Gopi Shetty

Professor, GPREC, Kurnool

Dr. K.Shiva Kumar

Professor, IIT Hyderabad

### Organizing Committee

Mr.M.Siva Sankar - Asst. Professor

Mr. A. Raghavendra Prasad - Asst. Professor

Mr. M. Y. Veeresh - Asst. Professor

Ms.P.Shahanaz Salma - Asst. Professor

Mr.N.V.S.Prasad - Asst. Professor

Mr.P.Balaji - Asst. Professor

Mr. E.Siva Karthik - Asst. Professor

Mr.M.Sree Harsha - Asst. Professor

Ms.N.Vara Lakshmi - Asst. Professor

### Student Coordinators:

Mr. P.Harsha Vardhan

Mr. Shahinsha

Ms.K.V.Chaitanya

Ms.Salomi

Mr.Krishna Teja

Mr.S.Khadhar Basha

Ms.Manasa Bai

Ms.Manasa Veena

## A One Week ADD-ON Program

ON

## *Design & Analysis of Power Systems by using Power World Simulator software*

ON

27-03-2018 to 02-04-2018

Organized by

**Department of Electrical & Electronics  
Engineering**

In Association with

**IE(I) & ISTE Students Chapters of SREC**

## REGISTRATION FORM

- 1.Name :
- 2.Branch & Section :
- 3.College :
- 4.Address for Correspondence:

5.Contact Phone No :

6.E-mail ID :

7.Registration Details:

Signature of the candidate

## CERTIFICATE

This is to certify that, the above member(s) is/ are bonafied student(s) of our institution and the information given is correct.

Date:

Place:

Head of the Institution




## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

(Approved by AICTE, New Delhi; Permanent Affiliated to JNTU A, Anantapuramu)  
An ISO 9001:2015 Certified Institution, 2(f) & 12(B) Recognition by UGC Act, 1956  
NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Course: <b>ESSENTIALS of NX DESIGNERS</b>		
Course Code: <b>ME-04-2017-2018</b>	Programs Eligible: <b>B.Tech (ME)</b>	Total Hours: <b>30hrs</b>
<b>Objective:</b> To Learn the essential NX workflows necessary for creating and editing parametric models.		
<b>Outcome:</b> Students can learn how to create sketches to capture design intent, how to model a part efficiently, as well as assemble parts into product assemblies and produce drawings.		
Unit	Topics Covered	Lect. No
01	Introduction to NX part files	02
02	Work with NX part files and NX template files	03
03	Understand how to effectively use the NX user interface and work space	04
04	Create sketches to capture design intent	04
05	Create reference geometry for model development such as datum planes, axes, and coordinate systems	04
06	Create basic features by sweeping and extruding geometry	02
07	Analyze feature geometry	02
08	Add detail to features such as blends and drafts	02
09	Produce assemblies of component parts	04
10	Produce annotated 2D & 3d drawings of models	03
Total Lecture Hrs.		30

  
HoD

  
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## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Ref. No. SREC/ME/CIR/2017-18/No.05

Dt: 20/07/2017


#### CIRCULAR

**PROGRAM ON ESSENTIALS OF NX DESIGNERS** has been arranged for all the IV-I Year B.Tech, Mechanical Engineering Students from **24.07.2017 to 29.07.2017**. The program is offered by Department of Mechanical Engineering, COE SEIMENS JNTUA and **Mr. K.Anil Kumar** trainer is acting as resource person for this program. The interested Students are advised to contact Program incharge **Mr. P. MADHURAGHAVA**, Asst. Prof. / ME to register for this program on or before **22.07.2017**. The Students registered for this program alone eligible to attend this program.

  
HoD

Copy to:-

1. Principal Sir
2. All HoDs
3. Department Notice Board

  
Principal  
Santhiram Engineering College  
NANDYAL



# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

## Department of Mechanical Engineering

### Program on “ESSENTIALS OF NX DESIGNERS”

From 24.07.2017 to 29.07.2017

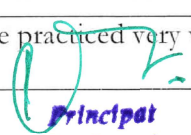
#### PROGRAM SCHEDULE

#### DAY 1: 24/07/2017- Monday

S.NO	TIME	TOPICS COVERED
1	9:30AM-1:00PM	Online Registration form fillage by the students
2.	1:00PM-2:00PM	Lunch Break
3.	2.00 -3.30 PM	Introduction to the NX CAD Getting started with NX and NX Interface
4	3.30 -3.40 PM	Tea Break
5	3.40-6.00 PM	Trainer given PDF Essentials of NX CAD to the all students, for study Purpose.

#### DAY 2: 25/07/2017- Tuesday

S.NO.	TIME	TOPICS COVERED
1.	9.30AM - 11.00 PM	Coordinate systems Creating Sketches Constraining sketches
2.	11.00AM - 11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced on coordinate systems and sketches and its constraints.
4.	1.00- 2.00 PM	Lunch break
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Students are practiced very well of Editing of sketches and

  
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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering

	manipulating of sketches and sweeping geometry
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#### DAY 3: 26/07/2017- Wednesday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Geometry Relationship Trimming a Solid Body Blending and chamfering edges
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced on above Geometry Relationship, Trimming a Solid Body, Blending and chamfering edges
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Creating and Editing Holes Copying and Mirroring part segments
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practiced on Creating and Editing Holes, Copying and Mirroring part segments

#### Day 4: 27/07/2017- Thursday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 AM	Creating and Editing Shell features Examine the structure Modifying Geometry of imported parts
2.	11.00 -11.15 AM	Tea Break
3.	11.15- 1.00 PM	Practiced on Creating and Editing Shell features, Examine the

  
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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering


		structure and Modifying Geometry of imported parts
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Introduction of Assembly Loading and Working with assembly Adding and positioning parts in an assembly
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practiced on Loading and Working with assembly, Adding and positioning parts in an assembly

#### DAY 5: 28/07/2017 Friday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Creating Simple Drafting figures Revision overall course contents
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practice on creating drafting figures and practiced for assessment.
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Assessment----
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	End Exam

#### DAY 6: 29/07/2017 Saturday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 1.00 PM	Produce annotated 2D & 3d drawings of models

  
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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering

2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practice on 2D & 3d drawings.
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Practice on Assembly Drawing and Drafting.
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 5.00 PM	Exam on creating 2D and 3D models, Exam On Creating Assembly Drawing and Drafting

  
Principal  
Santhiram Engineering College  
NANDYAL



## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Program on ESSENTIALS of NX DESIGNERS

Dt: 20/09/2017

#### Speaker Profile



Name : **K. Anil Kumar Nair**

Designation : Trainer

Department : **SIEMENS CENTRE OF EXCELLENCE**

**(Design tech Technology for designing the future)**

Contact No. : 9686248240

E-Mail: anilkumar.k @designtechsys.com

Qualification : M.Tech

Experience : 3 Years

Areas of Interest: **CAD/CAE**

#### Proficiency of the Resource Person:

Working as Junior Trainer in **SIEMENS CENTRE OF EXCELLENCE** "Design Tech Systems from Jan 2017 right now.

- Studied M.Tech. In CAD/CAM Engineering.
- Studied Mechanical engineering.

Principal  
**Santhiram Engineering College**  
NANDYAL



# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

(Approved by AICTE, New Delhi; Permanent Affiliated to JNTU A, Anantapuramu)

An ISO 9001:2015 Certified Institution, 2(f) & 12(B) Recognition by UGC Act, 1956  
-40, Nandyal-518501: Kurnool Dist. A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Course: **SIEMENS CERTIFICATION PROGRAM ON ESSENTIALS OF NX DESIGNERS AND Turning Numerical Control Programming**

Course Code: ME-13-2017-2018

Programs Eligible: B.Tech (ME)


Total Hours: 60hrs

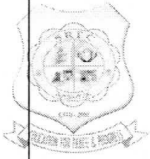
Objective: To Learn the essential NX workflows necessary for creating and editing parametric models, and learn some g-codes & M-codes to write some CNC part Programming

Outcome: Students can learn how to create sketches to capture design intent, how to model a part efficiently, as well as assemble parts into product assemblies and produce drawings.

Unit	Topics Covered	Lect. No
1	Introduction to NX part files	02
2	Work with NX part files and NX template files	03
3	Understand how to effectively use the NX user interface and work space	04
4	Create sketches to capture design intent	04
5	Create reference geometry for model development such as datum planes, axes, and coordinate systems	04
6	Create basic features by sweeping and extruding geometry	02
7	Analyze feature geometry	02
8	Add detail to features such as blends and drafts	02
9	Produce assemblies of component parts	04
10	Produce annotated 2D & 3d drawings of models	03
Total Lecture Hrs.		30
01	Importance of CNC and Types of CNC	02
02	Writing of Programming by using Cartesian Coordinates	04
03	Importance of G-codes & M-Codes	06
04	CNC Part Programming Procedure & Applications with codes	06
05	Writing Part Program on CNC turning Operations.	06
06	Hands on Practice on Turning, Threading.	06
Total Lecture Hrs.		30

  
HoD

  
Principal  
Santhiram Engineering College  
NANDYAL



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

PROGRAM ON ESSENTIALS OF NX DESIGNERS

Dt: 23/07/2018

#### Speaker Profile



Name : **K. Anil Kumar Nair**

Designation : Trainer

Department : **SIEMENS CENTRE OF EXCELLENCE**

(**Design tech** Technology for designing the future)

Contact No. : 9686248240

E-Mail: anilkumar.k @designtechsys.com

Qualification : M.Tech

Experience : 3 Years

Areas of Interest: **CAD/CAE**

#### Proficiency of the Resource Person:

Working as Junior Trainer in **SIEMENS CENTRE OF EXCELLENCE** "DesignTech Systems from Jan 2017 to Right now.

- Studied M.Tech. In CAD/CAM Engineering.
- Studied Mechanical engineering.

**Santhiram Engineering College**  
NANDYAL



## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Dt: 20/09/2017

#### Program on Turning Numerical Control Programming

##### Speaker Profile



Name : **Mr. B. Sainath**

Designation : **Sr. Trainer**

Department : **SIEMENS CENTRE OF EXCELLENCE**  
**(Design tech Technology for designing the future)**

Contact No. : 9573030634

E-Mail: Sainath.B @designtechsys.com

Qualification : M.Tech

Experience : 3 Years

Areas of Interest: - CNC/RPT Domain

##### **Proficiency of the Resource Person:**

Working as Senior Trainer in **SIEMENS CENTRE OF EXCELLENCE** "DesignTech Systems from Jan 2017 to till Now.

- Studied M.Tech. In CAD/CAM Engineering.
- Studied Mechanical engineering.

  
Principal

**Santhiram Engineering College**  
**NANDYAL**

# REGISTRATION FORM

1. Name: .....
2. Branch: .....
3. College: .....
4. Contact Phone No .....
5. Address for Correspondence.....

Phone \_\_\_\_\_

fax \_\_\_\_\_

E-Mail ID \_\_\_\_\_

**Signature of the Participant**

Certified that the about information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co- Convenor

Mr. P. Moulali, Head, Dept. of ME

## Coordinator

Mr. S. Kwaja moinuddin, Asst. Prof of ME

## Organizing Committee

Dr. R. Ramesh, Prof

Mr. M. Ravichandra, Asst. Prof

Mr. O. Jayaramudu, Asst. Prof

Mr. S. Mehaboob Basha, Asst. Prof

Mr. V. Sudharshan, Asst. Prof

Mr. K. L. Srinivasulu, Asst. Prof

## STUDENT COORDINATORS:ME

Mr. S.Md. Arshad Ayub -7893605268

Mr. R.V. Puneeth Kumar -8985575281

Mr. B. Pranav Kumar -9052547114

Mr. K.J. Akshmi Reddy -9010591485

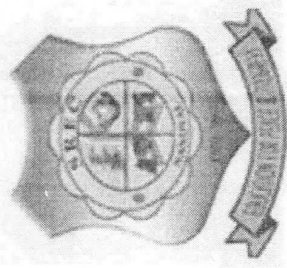
Mr. V. Subhas Reddy -9573859597

*Principal*

**Santhiram Engineering College**  
**N A N D Y A I**

"COURSE ON AUTOCAD AND CATIA"

From 07<sup>th</sup> AUG, 2017 to 12<sup>th</sup> AUG, 2017



**Organized By**

**Department**

**Of**

**Mechanical Engineering**

**SANTHIRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA,

Anantapuramu

An ISO 9001:2015 certified institution

NH-40, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh

## About the college

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross roads on NH-18, with a motto of "Education for Peace & Progress".

## About the Department

The Department of Mechanical Engineering is offering UG Program from the year 2011 with an intake of 60 students and extended intake 120 in the year of 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. Department has a strength of continuous upgrading of infrastructure & Laboratories facilities. The Department is having well qualified, dedicated and rich experienced Faculty. A conducive environment exists in the Department for both students and staff. Quality Technical Education is provided to the students in the core areas of the field, to meet the challenges of globalization with the state of art equipment's and laboratories.

## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure Well-equipped laboratories providing lecture videos and E-books for students

## Topics Covered

- Introduction to Basics commands interface of AUTOCAD & CATIA.
- CREATION OF MODELS BY USING AUTOCAD & CATIA.
- Assembly Basics and its Constraints using design tables
- Produce assemblies of component Parts and Wireframe Commands.
- Practice Analysis to produce 2D & 3D models

## About The Programme

Program on AutoCAD and Catia is a branch of CAD. Computers are used to perform the design and development of cad based drawings.

Ongoing research yields software the Modelling and editing of 2D & 3D Models parametric by using **AUTOCAD & CATIA** software to stay current with today's trends.

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

## Registration

The Participants Shall Send Duly Filled In the Registration form to below  
E-mail ID: [hme.srec@gmail.com](mailto:hme.srec@gmail.com)

## RESOURCE PERSON

**Mr.P.NAGARAJU**

ASST.PROF, ME

**SANTHIRAM ENGINEERING COLLEGE**

NANDYAL-518501, Kurnool Dist.

Andhra Pradesh



## REGISTRATION FORM

1. Name: .....
2. Branch: .....
3. College: .....
4. Contact Phone No .....
5. Address for Correspondence.....

Phone \_\_\_\_\_

fax \_\_\_\_\_

E-Mail ID \_\_\_\_\_

Signature of the Participant

Certified that the about information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

### Chief Patron

Dr. M. Santhiramudu

### Patron

Er. M. Siva ram

### Convenor

Dr. M.V. Subramanyam, Principal

### Co- Convenor

Mr. P. Moulali, Head, Dept. of ME

### Coordinator

Mr. M. Ravichandra, Asst. Prof of ME

### Organizing Committee

Dr. R. Ramesh, Prof

Mr. P. Nagaraju, Asst. Prof

Mr. O. Jayaramudu, Asst. Prof

Mr. S. Mehaboob Basha, Asst. Prof

Mr. S. Kwaja moimuddin, Asst. Prof

Mr. V. Sudharshan, Asst. Prof

Mr. K. L. Srinivasulu, Asst. Prof

### STUDENT COORDINATORS:ME

Mr. R.V. Puneeth Kumar -8985575281

Mr. B. Pransh Kumar -9052547114

Mr. K. Kashmi Reddy -9010591485

Mr. V. Subhas Reddy -9573859597

Mr. S.M.L. Arskad Ayub -7893605268

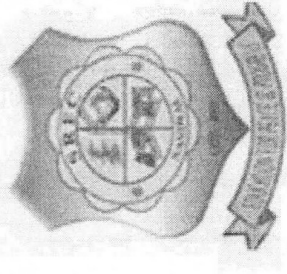
*Principal*

**Santhiram Engineering College**

**N A N D Y A I**

## "PROGRAM ON COMPUTATIONAL FLUID DYNAMICS"

From 12<sup>th</sup> Oct, 2017 to 17<sup>th</sup> Oct, 2017



Organized By

Department

Of

Mechanical Engineering

SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA,

Anantapuramu

An ISO 9001:2015 certified institution  
NH-40, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh

## About the college

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross roads on NH-18, with a motto of "Education for Peace & Progress".

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The Department of Mechanical Engineering is offering UG Program from the year 2011 with an intake of 60 students and extended intake 120 in the year of 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. Department has a strength of continuous upgrading of infrastructure & Laboratories facilities. The Department is having well qualified, dedicated and rich experienced Faculty. A conducive environment exists in the Department for both students and staff. Quality Technical Education is provided to the students in the core areas of the field, to meet the challenges of globalization with the state of art equipments and laboratories.

## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## Topics Covered

- INTRODUCTION TO CFD
- CREATION OF MODELS BY USING CFD
- STRUCTURAL ANALYSIS OF 1D, 2D & 3D LINKS, PIPES, BEAMS, SOLIDS.....
- THERMAL ANALYSIS OF 1D, 2D & 3D INKS, PIPES, BEAMS & SOLIDS.....

## About The Programme

**Computational fluid dynamics (CFD)** is a branch of fluid mechanics that uses numerical analysis and data structures to solve and analyze problems that involve fluid flows. Computers are used to perform the calculations required to simulate the interaction of liquids and gases with surfaces defined by boundary conditions. With high-speed supercomputers, better solutions can be achieved.

Ongoing research yields software that improves the accuracy and speed of complex simulation scenarios such as transonic or turbulent flows. Initial experimental validation of such software is performed in wind tunnel with the final validation coming in, full-scale testing.

**Santhiram Engineering College**  
**N A N D Y A I**

## Registration

The Participants Shall Send Duly Filled In the Registration form to below

E-mail ID: [hme.srec@gmail.com](mailto:hme.srec@gmail.com)

Registration fee: 2500/-

## Accommodation

No Accommodation

## RESOURCE PERSON

*Mr. Smrutimaya putraik*

MS IIT Chennai,

Head & founder of the UDVAVISK  
Technology

## REGISTRATION FORM

# One Week Certificate Program

On

Recent Trends in Digital  
Image Processing and its Applications  
29.01.2018 to 03.02.2018

1. Name :
2. Designation/ Year :
3. Dept./ Branch :
4. College :
5. Address for Correspondence :
6. Contact Phone Nos. :
7. E-mail ID :

### Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

### CERTIFICATE

This is to certify that, the above member(s) is/ are bonafide student(s) of our Institution and the information given above is correct.  
Place:

Date: \_\_\_\_\_  
Signature of \_\_\_\_\_  
Head of Institution / Department  
With seal

## ORGANIZING COMMITTEE

### Chief Patron:

**Dr. M. Santhiramudu**, Chairman, SREC

### Patron:

**Er. M. Sivaram**, Managing Director, SREC

### Convener:

**Dr. M. V. Subramanyam**, Principal, SREC

### Co conveners:

**Mr. Y. Mallikarjuna Rao**,

**Head of the Department of ECE, SREC**

### Coordinator:

**Mr. S. Munawwar**

**Asst. prof-9000909764**

### Technical Committee:

**Mr. M. Mohan Reddy**, Asst. Prof.

**Mr. S. Munawwar**, Asst. Prof.

**Mrs. T. Nagamani**, Asst. Prof.

### Student Coordinators:

**Mr. P. Naga Mani Kantha** -7396928188 -IV ECE

**Mr. R. Naga Jashwanth Kumar** -9701894656 -IJECE

**Mr. K. Sandeep Kumar** -9848933535 -IJECE

The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.

Completed registration form should be sent to us through E-mail: [hod.ece@srecnandyal.edu.in](mailto:hod.ece@srecnandyal.edu.in) or before 2.01.2018.

Address of correspondence:

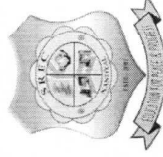
The Convener,

**Santhiram Engineering College**  
Santhiram Engineering College  
Kurmoor, Nandyal - 518501, Kurmoor(Dist.)  
**NANDYAL**

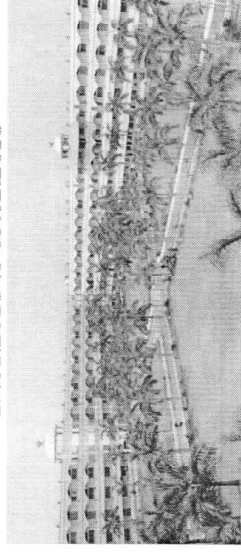
# One Week Certificate Program

On

Recent Trends in Digital  
Image Processing and its Applications



29.01.2018 to 03.02.2018



### Organized by

Department of Electronic & Communication  
Engineering

In Association with

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



### SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA, Ananthapuramu,  
An ISO 9001:2015 Certified Institution  
Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956  
NH-40, Nandyal - 518501; Kurmoor Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

**ABOUT THE COLLEGE**

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**ABOUT THE 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 is upgraded to 120 seats in 2008. Forecasting the tremendous growth & opportunities in VLSI, the Department also started a Master of Technology (M. Tech) program in VLSI System Design in the year 2011 with an intake of 12 seats. The department received an ISO 9001:2015 certification for its qualitative functioning. The objectives of the department include: to produce quality engineers, indulge in research and promote the 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.

**ACHIEVEMENTS OF SREC**

- Ranked as 'AA' grade in CSR in 2014
- Received "Two gold medals from JNTUA"
- Received three Prathibha Awards from Govt. of A.P.

**Santhiram Engineering College**  
**ABOUT THE PROGRAM**

One Week Certificate Program organized by Department of Electronics and Communication Engineering in Santhiram Engineering College, Nandyal, now a day's image processing is becoming an important assisting tool in many branches of science and engineering such as computer science, electrical and electronic engineering. Many of the techniques of digital image processing such as enhancement, filtering, restoration, representation, morphological processing, compression, object recognition etc are playing a major role in image analysis and computer vision, which attempt to extract meaningful information from digital images. The objective of this guest lecture is to enable participants to engage in advanced study and research and to provide a better exposure for the participants in the fields of Image Processing. By this guest lecture the participants will be able to clearly understand the techniques in image processing.

**ABOUT THE RESOURCE PERSON**

Mr. Y. PRAVEEN KUMAR REDDY, Assistant Professor, SVCE, Chittoor. His research areas are image processing and medical image analysis. His current research also includes medical features extraction models with efficient feature quality and fast computations. He is the recipient of K.M. Birla research scholarship. He presented his work at international conferences held in India & USA. He published research articles in SCIE indexed journals include IEI and Springer. He worked as Assistant Professor in Syamaladevi Institute of Technology for Women Nandyal, SSJ Engineering College, Hyderabad and Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal

**ELIGIBILITY**

All IV B. Tech ECE Students from host institutions can attend. Total number of participants is limited to 70. Therefore, early registration is highly recommended.

**REGISTRATION FEE:**

- Registration fee for IE & IEEE Members: Rs.100/-
- Registration fee for non-membership person: Rs.150/-
- Last date for Registration: 27-01-18

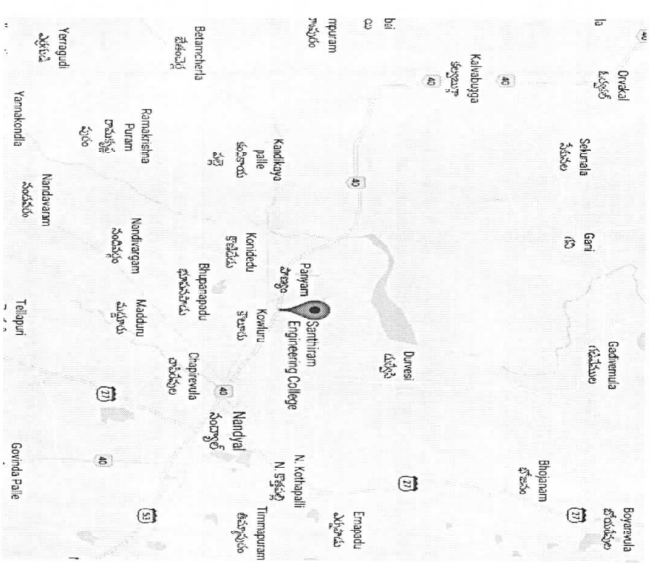
**Travel Allowance & Accommodation**

The reimbursement of travel expenses & TA will not be provided to any participants. Accommodation will be provided on limited basis on prior request for outstation participants. The participants can avail the SREC bus facility to attend this expert lecture.

For route details, please refer <http://www.srecnandyal.edu.in>

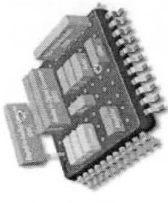
**VENUE**

The Auditorium Block,  
 Department of ECE, SREC, Nandyal 518501, AP, India





**SANTHIRAM ENGINEERING COLLEGE :: NANDYAL**  
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 NH-40, Nandyal-518501, Kurnool-Dist., Andhra Pradesh



A One Week Add On Program On

# Electronic Circuits Design and Analysis Based on ESim Tool

## ORGANIZING COMMITTEE

**Dates: 26-31 MARCH 2018**  
 In Association with  
 IE(I), ISTE & IEEE Student chapters of SREC.



**VENUE**  
 The Auditorium Block,  
 Department of ECE, SREC, Nandyal 518501, AP, India

Chief Patron:  
 Dr. M. Santhiramudu, Chairman, SREC

Patron:  
 Er. M. Siva ram, Managing Director, SREC

Convener:  
 Dr. M. V. Subramanyam, Principal, SREC

Co conveners:  
 Mr. Y. Mallikarjuna Rao, HOD, Dept. of  
 ECE, SREC

### 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 is upgraded to 120 seats in 2008. Forecasting the tremendous growth & opportunities in VLSI, the Department also started a Master of Technology (M. Tech) program in VLSI System Design in the year 2011 with an intake of 12 seats. The department received an ISO 9001:2015 certification for its qualitative functioning. The objectives of the department include: to produce quality engineers, indulge in research and promote the students to be active in entrepreneurship. The faculty has been 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

### Resource Person

Mr. S. Arif Basha  
 Assistant Professor,  
 Dept. of ECE  
 SREC, Nandyal.

### Coordinator

Mr. S. Rambabu  
 Assistant Professor,  
 Dept. of ECE,  
 SREC, Nandyal.

### STUDENT COORDINATORS

Miss. LEELAVATHI.G  
 Mr. SIVA HEMANTH. B.V  
 Miss. AMALA.M  
 Mr. NAGA OBUL REDDY.E

*Principal*  
**Santhiram Engineering College**  
**NANDYAL**

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". SREC is approved by AICTE, New Delhi: Recognized by UGC under 2(f) and 12 (B): Permanently Affiliated to JNTUA, Ananthapuramu: Certified to an ISO 9001:2015. The college is ranked as one of the Best Engineering Colleges of JNTUA. Ananthapuramu. The first Institution in Andhra Pradesh to have an R&D center sanctioned by BHEL, India.

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.

- The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.
- The candidate can also register in person with program coordinator Mr.S. Rambabu, Assistant professor, Dept. of. ECE.
- Completed registration form should be sent to us through

E-mail: [ramababu.ece@srecnandyal.edu.in](mailto:ramababu.ece@srecnandyal.edu.in)

#### Eligibility & Registration Fee

II II B. Tech ECE students from home institution can attend. Total number of participants are limited to 120. Therefore, early registration is highly recommended. There is no registration fee

#### VENUE

The Auditorium Block,  
Department of ECE, SREC, Nandyal 518501, AP, India

ONE WEEK ADD ON PROGRAM  
On

Simulation of Electronic Circuits by using E sim  
03/02/2020 to 08/02/2020

1. Name :
2. Designation/ Year :
3. Dept./ Branch :
4. College :
5. Address of correspondence:
6. Contact Phone Nos. :
7. E-mail ID :

#### Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

#### CERTIFICATE

This is to certify that, the above member(s) is/ are

student(s) of our Institution and the

Information given above is correct.

**Santhiram Engineering College**  
**NANDYAL**

Place:

Signature of

**REGISTRATION FORM**  
One Week Add On Program

On  
"Analog & Mixed VLSI Design Using EDA Tools"  
24-29 JULY 2017

1. Name :
2. Designation/Year :
3. Dept./ Branch :
4. College :
5. Addressfor  
Correspondence :
6. ContactPhoneNos. :
7. E-mailID :
8. RegistrationFee **FREE**

The participants can download Registration Form available on the SREC Website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form availableoverleaf.

Completed registration form should be sent to us through E-mail: [arif.ece@srecnandyal.edu.in](mailto:arif.ece@srecnandyal.edu.in) on or before 21.07.2017.

**ORGANIZING COMMITTEE**

**Chief Patron:**

Dr. M. Santhiramudu, Chairman, SREC

**Patron:**

Er. M. Sivaram, Managing Director, SREC

**Convener**

Dr. M. V. Subramanyam, Principal, SREC

**Co-Convener**

Mr. Y. Mallikarjuna Rao

Head of the Department of ECE, SREC

**Coordinator**

Mr. S. Arif Basha,

Asst, prof-8331867491

**Students Coordinators**

Mr. R. Sainadh Reddy

Ms. K. Venkata Shanmukha

Ms. P. V Renuka

Ms. S. L. Aswini

Mr. Prapulla Kumar Reddy

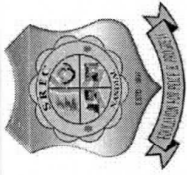
Mr. Sarath Reddy

Address for correspondence:

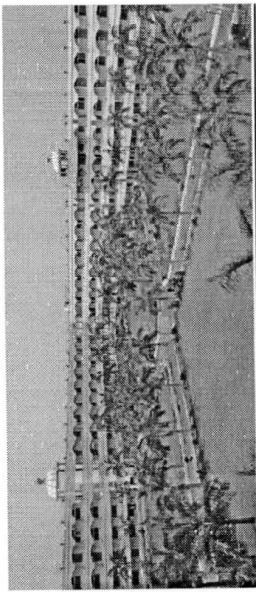
**Principal**  
The Convener,  
Santhiram Engineering College  
NH-40, Nandyal - 518501, Kurnool (Dist.)  
**N A N D Y A L**

**One Week Add On Program**  
On

"Analog & Mixed VLSI Design Using  
EDA Tools"



24-29 JULY 2017



Organized

by

Department of Electronics and Communication  
Engineering

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



**SANTHRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA, Ananthapuramu,

An ISO 9001:2015 Certified Institution

Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956

NH-40, Nandyal - 518501:: Kurnool Dist. A.P.

Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

### ABOUT THE COLLEGE

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurmool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

### ABOUT THE DEPARTMENT

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 120 in B. Tech programme. The department is also offering one PG Programmes VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has close association with industry and academia, resulted in the establishment. The Dept is having fully experienced dedicated and committed faculty as asset.

### ABOUT THE PROGRAM

In this One week Addon program we will design and synthesize analog and digital circuits by using EDA Tools and also calculate area, power, and delay. We will also introduce verilog HDL for the design of combinational and sequential circuits. Hope that this one week Addon program helps to analyze VLSI Circuits practically and implement own ideas in VLSI as a project.

### Topics to be covered

- Introduction to IC ERA & Gordon Moore's
- VLSI Design flow
- Low power VLSI Methods
- CMOS Based Design and Design Examples
- Design flow of DSCH Editor tool & Microwind tool Design Examples
- Mini projects & Competition
- Introduction to HDL Languages
- Language Constructs and conventions Statements, system tasks and functions
- Different level of Design descriptions
- Design digital circuits using Verilog HDL
- Design flow of Xilinx S/W tool
- Design digital circuits using Xilinx with FPGA

**Santhiram Engineering College**  
NANDYAL

- Advance VLSI Design
- Fin-Fet Technology

- Spintronic
- Types of Power Dissipations
- Design flow of Tanner EDA tool
- Design analog & Mixed signal
- Mini projects & Competition

### RESOURCE PERSON

**Mr. S. Rambabu**

*Assistant Professor, Department of ECE, SREC.*

### ELIGIBILITY:

III. B. Tech ECE Students from host institutions can attend. Total number of participants is limited to 60. Therefore, early registration is highly recommended.

**Venue:** SREC Conference Hall and Labs  
The Department of ECE,  
SREC, Nandyal 518501, AP, India



**Chief Patron**

**Dr.M.Santhiramuduru**

Chairman, RGM Group of Institutions.

**Patrons**

**Mr.M.Siva Ram**

Managing Director,SREC.

**Dr.M.V.Subramanyam**

Principal,SREC.

**Convener**

**Mr.J.David Sukeerthi Kumar**

Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr.S.Md..Riyaz Naik** Asst.Prof.in CSE

**Technical Advisory Committee**

**Mr.K.Subba Reddy**

Asso. Prof in CSEDept,SREC,,Nandyal.

**Mr.Madhu Sudhan.**

Asso. Prof. and HOD of CSEDept,

RGM CET,Nandyal.

**Dr. A.P. Siva Kumar**

Professor, YV University

**Organizing Committee**

1. Dr. M. V. Subramanyam Principal & Chairperson
2. Dr. B. Seshiah HBS & IQAC coordinator
3. Mr. K.Rajashakar Reddy HEEE
4. Mr P. Moulali HME
5. Mr. Y. Mallikarjuna Rao HECSE
6. Mr. J. David S Kumar HCE
7. Mrs. A. K. Neeraja Rani HMEBA
8. Dr. Ramesh Raju R & D oordinator
9. Mr. Kishore Naidu TPO
10. Mr. Abdul Malik Exam section
11. Mr. Madhu Librarian
12. Mr. Chandra Reddy PD

**A COURSE ON BLOCK CHAIN  
TECHNOLOGY**

**31-07-2017 to 5-08-2017**

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

**Signature of the Participant**

This is to certify that Mr./Mrs \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.

He /She permitted to attend workshop.

**Place:**

**Date:**

Signature of the  
Sponsoring Authority with seal

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

**SANTHRAM ENGINEERING COLLEGE**

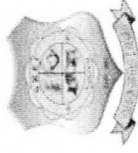
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Affiliated to JNT University, Anantapuramu.

An ISO 9001:2015 Certified Institution,2(f) & 12(B)

Recognition by UGC Act, 1956

NH-40, Nandyal -518501::Kurnool Dist. A.P



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In Association with  
**Computer Society of India**  
Presents

**A COURSE ON BLOCK CHAIN  
TECHNOLOGY**

**31-07-2017 to 5-08-2017**

Visit us: [www.sreknandyal.com](http://www.sreknandyal.com)

Email: [sreknandyal@gmail.com](mailto:sreknandyal@gmail.com)

### About the College:

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### Vision

- To provide value based Education in Technical field.
- To become a self sustained University.

### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About The Program

To Learn and explore Blockchain, mostly known as the backbone technology behind Bitcoin, is one of the emerging technologies currently in the market attracting lot of attentions from enterprises, start-ups and media. Blockchain has the potential to transform multiple industries and make processes more democratic, secure, transparent, and efficient

### Program Schedule:

**Day1** Inauguration ,An introduction , Blockchain and its features, What is Blockchain? , Understanding the concept,Merkle Tree is at the heart of the Blockchain Technology , Types of Blockchain

**Day2** Inherent features of Blockchain , Benefits of using Blockchain , Blockchain use cases,A deep-dive into some Blockchain use cases

**Day3** A deep-dive into some Blockchain use cases,Public Blockchain: Bitcoins , Permissioned Blockchain: Trade Finance application

**Day4** Public Blockchain: Bitcoins , Permissioned Blockchain: Trade Finance application

**Day5** An introduction ,Blockchain and its features, What is Blockchain? , Understanding the concept,Page Rank Technology An introduction , Blockchain and its features, What is Blockchain? , Understanding the concept,Private Blockchain: Loyalty application , Blockchain application by Government bodies: Honduras Land Title Registration

**Day6** Private Blockchain: Loyalty application , Blockchain application by Government bodies: Honduras Land Title Registration  
- experiments undertaken and challenges faced  
Blockchain applications explored in India  
Challenges faced by early adopters - a report from the trenches. **NANDYAL**

### Instructions to participants

1. The seats are limited and first cum first serve basis is followed
2. Snacks will be provided at the college premises and participants have make their own arrangements for Lodging & Travelling

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource Person:

Ms.V.Gowthamiz Assit Prof

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

Mr.J.David Sukeerthi Kumar  
HOD of CSE Dept) 9701429254  
Asst.Prof  
Mrs.Md..Riyaz Naik 9347249408

**Chief Patron**

**Dr.M.Santhiramudu**  
Chairman, RGM Group of Institutions.

**Patrons**

**Mr.M.Siva Ram**  
Managing Director,SREC.  
**Dr.M.V.Subramanyam**  
Principal,SREC.

**Convener**

**Mr.J.David Sukeerthi Kumar**  
Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr.S.Md..Farooq** Asst.Prof. in CSE

**Technical Advisory Committee**

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Asso. Prof in CSEDept,SREC.,Nandyal.  
**Mr.Madhu Sudhan.**  
Asso. Prof. and HOD of CSEDept,  
RGMGET,Nandyal.  
**Dr A. P. Siva Kumar**  
Associate Professor - JNTUA

**Organizing Committee**

1. Dr. M. V. Subramanyam Principal  
& Chairperson
2. Dr. B. Seshiah HBS & IQAC coordinator  
HEEE
3. Mr. K.Rajashakar Reddy  
HME
4. Mr P. Moulali  
HECE
5. Mr. Y. Mallikarjuna Rao  
HCSE
6. Mr. J. David S Kumar  
HMBA
7. Mrs. A. K. Neeraja Rani  
R & D Coordinator  
TPO
8. Dr. Ramesh Raju  
Exam section
10. Mr. Abdul Malik  
Librarian
11. Mr. Madhu  
PD
12. Mr. Chandra Reddy

**A COURSE ON ROBOTICS, DESIGN  
AND IMPLEMENTATION**

**15-3-2018 to 20-3-2018**

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

**Signature of the Participant**

This is to certify that Mr/Mrs \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.  
He /She permitted to attend workshop.

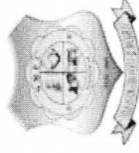
**Place:  
Date:**

**Signature of the  
Sponsoring Authority with seal**

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

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**15-3-2018 - 20-3-2018**

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Email: [sreanadyal@gmail.com](mailto:sreanadyal@gmail.com)

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### Vision

- To provide value based Education in Technical field.
- To become a self sustained University.

### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About The Program

This program will provide the students a base to robotics. They will learn to control the robots using normal electrical concepts. They will be developing their own models by their own hands. These projects focus on developing robots using common sense and switches..

### Program Schedule:

#### DAY1

Inauguration, Introduction to Robotics, Definition

#### DAY2

Basic Parts for build a robot, Power Supply

#### DAY3

Power Supply, Basic Electronics Component

#### DAY4

Basic Electronics Component, Resistor

#### DAY5

DC Motor Drivers, L293D Motor driver IC

#### DAY6

L293D Motor driver IC, Introduction to Sensor,, Working principle of IR Sensor

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**Santhiram Engineering College**  
N A N D Y A L

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### Resource person

Mr P. Bhaskar Assit professor,  
SREC NANDYAL

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-49 Nandyal-518501,  
Kurmool (Dist), AP.

### Contacts:

Mr.J.David Sukeerthi Kumar

HOD of CSE Dept) 9701429254

Mr.S.Md..Farooq Asst.Prof

9885424311

**Chief Patron**

**Dr.M.Santhiramudu**  
Chairman, RGM Group of Institutions.

**Patrons**

**Mr.M.Siva Ram**  
Managing Director,SREC.  
**Dr.M.V.Subramanyam**  
Principal,SREC.

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**Coordinator**

**Mr.P.Bhasker** Asst.Prof. in CSE

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Asso. Prof in CSEDept,SREC,,Nandyal.  
**Mr.Madhu Sudhan.**  
Asso. Prof. and HOD of CSEDept,  
RGMCEt,Nandyal.  
**Dr Raju Bhukya**  
Associate Professor - NITW

**Organizing Committee**

1. Dr. M. V. Subramanayam Principal  
& Chairperson
2. Dr. B. Sessaiah HBS & IQAC coordinator  
HEEE
3. Mr. K.Rajashekar Reddy HME
4. Mr.P. Moulali HCEE
5. Mr. Y. Mallikarjuna Rao HCSE
6. Mr. J. David S Kumar HMBa
7. Mrs. A. K. Neeraja Rani R & D coordinator
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9. Mr. Kishore Naidu Exam section
10. Mr. Abdul Mailik Librarian
11. Mr. Madhu PD
12. Mr. Chandra Reddy

**A COURSE ON HADOOOP &  
APPLICATIONS**

14-4-2018 to 19-4-2018

**REGISTRATION FORM**

1. Name of the Participant:

2. Name of the Institution:

3. Address for Correspondence:

4. Contact Number:

5. Email Id:

Signature of the Participant

This is to certify that Mr/Mrs \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.

He /She permitted to attend workshop.

Place:

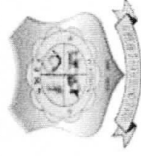
Date:

Signature of the  
SpS Issuing Authority with seal

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

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APPLICATIONS**

14-4-2018 - 19-4-2018

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Email: [srecnadyal@gmail.com](mailto:srecnadyal@gmail.com)

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- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

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### About The Program

Apache Hadoop is an open source framework for distributed storage and processing of large sets of data on commodity hardware. Students can learn how to Hadoop enables businesses to quickly gain insight from massive amounts of structured and unstructured data

### Program Schedule:

**Day1** Inauguration ,Fundamentals of Hadoop and YARN and write applications using them, Definition Setting up pseudo-node and multi-node clusters on Amazon EC2

**Day2** HDFS, MapReduce, Hive, Pig, Oozie, Sqoop, Flume, ZooKeeper and HBase,Spark, Spark SQL, Streaming, Data Frame, RDD, GraphX and MLlib writing Spark applications

**Day3** Spark, Spark SQL, Streaming, Data Frame, RDD, GraphX and MLlib writing Spark applications, Hadoop administration activities like cluster managing, monitoring, administration and troubleshooting

**Day4** Hadoop administration activities like cluster managing, monitoring, administration and troubleshooting, Configuring ETL tools like Pentaho/Talend to work with MapReduce, Hive, Pig, etc.rigister Configuring ETL tools like Pentaho/Talend to work with MapReduce, Hive, Pig, etc.

**Day5** Hadoop testing applications using MRUnit and other automation tools, Working with Avro data formats

**Day6** Working with Avro data formatsdriver IC, Introduction to sensor, Practicing real-life projects using Hadoop and Apache Spark, Be equipped to clear Big Data Hadoop

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### Resource person

Mrs N. Ramadevi Assoc professor,  
SREC NANDYAL

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-40, Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

Mr.J.David Sukeerthi Kumar  
HOD OF CSE Dept) 9701429254  
Mr.P.Prabakar Asst.Prof 9885424311

**Santhiram Engineering College**  
NANDYAL

# REGISTRATION FORM

1. Name: -----
2. Branch: .....
3. College.....
4. Contact Phone No .....
5. Address for Correspondence.....

Phone \_\_\_\_\_ fax \_\_\_\_\_

E-Mail ID \_\_\_\_\_

## Signature of the Participant

Certified that the above information is true to the best of my knowledge and applicant is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co- Convenor

Mr. B.Seshiah , Head, Dept. of BS

## Coordinator

Mr. S.Basheer Ahamed, Asst. Prof of BS

## Organizing Committee

Mr. A.G.Venkateswarulu, Asst. Prof

Mr.C.Shankar goud , Asst,Prof

Student Co-ordinators

K DIVYA

EEE

K ASMA

EEE

G RAMESH

MECH

B.LIKHITHA

ECE

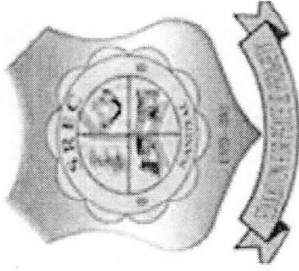
*Principal*

**Santhiram Engineering College**

**N A N D Y A L**

"COURSE ON EFFECTIVE COMMUNICATION AND LEADER SHIP SKILLS"

**From 26 Dec, 2017 to 31 Dec, 2017**



**Organized By**

**Department  
Of**

**Basic Sciences**

**SANTHIRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA,

Ananthapuramu

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NH-40, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh

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Principal  
**Santhiram Engineering College**  
NANDYAL

## Signature of the Participant

Certified that the above information is true to the best of my knowledge and applicants is authorised to attend

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Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co-Convenor

Dr.B.Seshaiah,Head,  
Dept. of BS

## Coordinator and Recourse persons

Mrs. N.Rama Devi,  
Asstot. Prof of Computer Science  
Dr.B.Seshiah  
Asstot. Prof. In Mathematics

## Organizing Committee

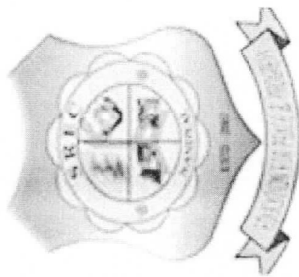
Mrs.A.Sailaja  
Asst,Prof  
Mr.S.Chand Basha  
Asst.Prof

## Student Coordinators:

MYLARU VENKATA RAVITEJA	MECH
SADDALA SANTHOSH REDDY	ECE
MIRIYALA NAGA DHANUSH	ECE

*"Image processing in C and Calculus in mathematics"*

From 2<sup>th</sup> Jan, 2018 to 7<sup>th</sup> Jan, 2018



Organized By

Department  
Of

Basic Sciences

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To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

### Mission

To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

1. To establish postgraduate programs in the current and Advanced Technologies.
2. To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.
3. To propel every individual, realize and act for the technical development of the society.

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory setups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: •

Engineering Physics • Engineering Chemistry • Mathematics • English Language and Communication

## About the Facilities

- Well qualified ,dedicated &rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

course will teach you everything you need to know in order to master using a computer. Globally, people rely on computer technology to grow their careers, improve their lives, and to expand their opportunities. The course will run you through all of the basic concepts and techniques of using a personal computer, getting you up to speed with modern personal computing technology in no time at all..

## Registration

For Registration contact Mr.S.Chand Basha,Asst.Prof. In Mathematics.

Note:

1. Students are advised to register well in advance.

## RESOURCE PERSON

*Mrs.N.Ramadevi*

Asst.prof. of C.S.E

&

*Dr.B.Seshaiah*

Asst.prof. of Matheamtics

**SANTHIRAM ENGINEERING COLLEGE  
NANDYAL-518501, Kurnool Dist.**

Andhra Pradesh



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### Dept of MASTER OF BUSSINESS ADMINISTRATION

#### Add-on Program on E-COMMERCE



#### *Speaker Profile*

Name : **Mr. K Vinod Kumar**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9849956784

E-Mail: vinodkumar@gmail.com


Qualification : MBA

Experience : 5 Years

Areas of Interest: commerce

#### **Breif Profile:**

He is a MBA Graduate from Osmania University, done his BSC from Rayalaseema University, Kurnool .He is having more than 5 years of vast teaching experience in PG level and Published more than 6 International/National publication in the reputed Journals . He is an expertise in teaching the subjects of Accounts, Finance and General Management.

  
Principal  
Santhiram Engineering College  
NANDYAL



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### DEPARTMENT OF MBA

**SREC/MBA/SP/2017-03**

**Dt 14/08/2017**

### CIRCULAR

The Dept of MBA is organizing an **ADD-ON PROGRAM** on **E-Commerce** for the students of II year MBA from **17/08/2017 to 21/08/2017**. **Mr. K Vinod Kumar**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.

All the interested Students are advised to register their names to the program coordinator **Ms. G Sree Divya**, Asst. Prof, Dept of MBA on or before **16.08.2017**.

*Sreed Divya*  
**Program Coordinator**

*Alugachari*  
**HOD-MBA**

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<b>Name of the Course: Add-on Program on E-COMMERCE</b>		
<b>Course Code:</b> MBA-01-2017-2018	<b>Programs Eligible: MBA</b>	<b>Total Hours: 30</b>
<b>Objective:</b> This course provides an introduction to information systems for business and management. It is designed to familiarize students with organizational and managerial foundations of systems, the technical foundation for understanding information systems.		
<b>Outcome:</b> The student Had Understand the following: <ol style="list-style-type: none"> <li>1. Demonstrate an understanding of the foundations and importance of E-commerce</li> <li>2. Analyze the impact of E-commerce on business models and strategy</li> <li>3. Describe Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational.</li> </ol>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Overview of the Course	02
02	Introduction to Internet Business	03
03	Infrastructure The Internet and Technology	04
04	Business Models for Internet Business	02
05	Internet Business & Marketing I: Basic Marketing Concepts & Technology	04
06	Internet Business & Marketing II: B2C and B2B Marketing and Branding Strategies	04
07	E-Commerce Advertising I and E-Commerce Advertising II	04
08	E-Commerce Retailing & Services	02
09	Online Media: Publishing & Entertainment Industry	02
10	E-Commerce & Ethics	03
<b>Total Lecture Hrs.</b>		<b>30</b>

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### DEPARTMENT OF MBA

Add-on Program on Logistics & Supply Chain Management :

#### Speaker Profile :



Name : **Ms M Umrez**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9907668402

E-Mail: [umrez12@gmail.com](mailto:umrez12@gmail.com)

Qualification : MBA

Experience : 8 Years

Areas of Interest: Marketing and Supply chain Mgt.

#### **Brief Profile:**

**She** is a MBA Graduate from Presidency school of Management Hyderabad, done his BSC from Sri C V Raman Degree College, Tadipatri. She is having more than 8 years of vast teaching experience in PG level and published more than 08 International/National publications in the reputed Journals. She is an expertise in teaching the subjects of Marketing and HR.

  
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### DEPARTMENT OF MBA

**SREC/MBA/SP/2017-06**

**Dt27/09/2017**

### **CIRCULAR**

The Dept of MBA is organizing an **ADD-ON PROGRAM** on **Logistics and Supply Chain Management** for the students of II year MBA from **03.10.2017 onwards**. **Ms. M Umrez**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.


All the interested Students are advised to register their names to the program coordinator **Mr. K Vinod Kumar**, Asst. Prof, Dept of MBA on or before **01.10.2017**.

  
**Program Coordinator**


  
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<b>Name of the Course:</b> Add-on Program on Logistics & Supply Chain Management		
<b>Course Code:</b> MBA-02-2017-2018	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
<b>Objective:</b>		
<ol style="list-style-type: none"> <li>1. To understand how Logistics, Supply Chain, Operations, Channels of Distribution fit in to various types of Business viz., Manufacturing, Service and Project.</li> <li>2. To understand how Warehouse Management and, other functions in Logistics fits into Logistics &amp; Supply Chain Management.</li> <li>3. To understand how Managers, take decisions – strategic, tactical and operations - and how they are taken in Warehouse Management functional area.</li> </ol>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>• Identify and Analyze Business Models, Business Strategies and, corresponding Competitive Advantage.</li> <li>• Formulate and implement Warehouse Best Practices and Strategies.</li> <li>• Plan Warehouse and Logistics operations for optimum utilization of resources</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to supply chain management	03
02	The management components of supply chain management	04
03	Eight supply chain processes	04
04	Electronically linking the supply chain	04
05	Supply chain performance measurement	04
06	Developing and implementing partnerships in the supply chain	04
07	Implementing supply chain management	04
08	Cases	03
<b>Total Lecture Hrs.</b>		<b>30</b>

  
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### Add-on Program on Mastering Data Analysis on Excel

#### Speaker Profile

Name : Mr M Vijay Kumar

Designation : Assistant Professor

Department : MBA

Contact No. : 9701433177 E-Mail: vijaykumar@gmail.com


Qualification : MBA

Experience : 5 Years

Areas of Interest: Mastering on system Application

#### Brief Profile:

He is a MBA Graduate from Osmania University, done his BSC from SK University, Anantapur. He is having 5 years of teaching experience in PG level and Published 4 International/National publication in the reputed Journals. He is an expertise in teaching the subjects of Accounts, Finance and Systems.

  
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### DEPARTMENT OF MBA

**SREC/MBA/SP/2017-09**

**Dt 27/10/2017**

### **CIRCULAR**

The Dept of MBA is organizing an **ADD-ON PROGRAM** on **Mastering Data analysis on Excel** for the students of I year MBA from **02.11.2017 onwards**. **Mr. M Vijay Kumar**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.

All the interested Students are advised to register their names to the program coordinator **Ms. M Umrez**, Asst. Prof, Dept of MBA on or before **01.11.2017**.

  
**Program Coordinator**

  
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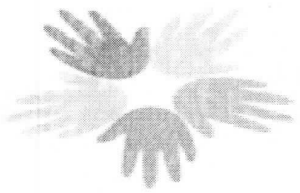
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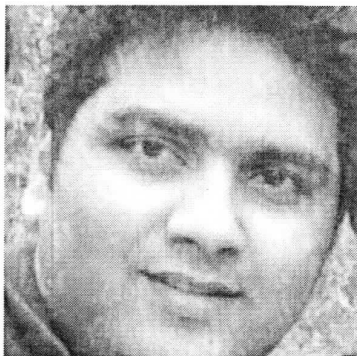
<b>Name of the Course:</b> Add-on Program on Mastering Data Analysis on Excel		
<b>Course Code:</b> MBA-03-2017-2018	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
<b>Objective:</b> This course is concentrated on the most important tools for performing data analysis on the job.		
<b>Outcome:</b> <ul style="list-style-type: none"> <li>• The Students has able to understand the importance of Excel in the organization.</li> <li>• The Students learnt about the components of Pivot tables and charts.</li> <li>• This course Provide brief Knowledge about how to be apply the data analysis for Toolpak.</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to Mastering Data Analysis Excel	02
02	Data Cleaning and Preparing Tool	03
03	Pivot Table for Data analysis	04
04	Scenario and Sensitivity Analysis	03
05	Functions and Merging Tools	04
06	Formatted and Interactive Table	04
07	Charts and Visualizing Techniques	04
08	Data analysis for Toolpak for statistic	03
09	Case study	03
<b>Total Lecture Hrs.</b>		<b>30</b>

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### **Trainer Details:**

Ram K  
B.tech cse

M.tech SOFTWARE ENGINEERING

Corporate Trainer, Author, Consultant Spécialisations Data Science, Deep Learning, Advanced Analytics, Predictive Modeling, Machine Learning, Data Mining, Natural Language Processing. In pursuit of challenging assignments that would facilitate the maximum utilization and application of my broad skills and expertise in making a positive difference to the organization Experienced, energetic and result oriented, CBA from ISB (Indian School of Business) Hyderabad with 6 years of Industry experience with 3 years of training experience with diverse roles...Apart from teaching I am a developer also. My lessons are very interactive so that the students do coding experiments with me while training. I try to simulate confusion when I explain certain concepts and make the students to uncover their confusion and I believe that's the best strategy to build a strong base on the subject. I can make you a master in python within just 4 hours. Simple variable declaration to class concepts

  
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

#### One Week Certification Programme On PYTHON By OMEGA HYDERABAD 11/09/2017 TO 16/09/2017

DATE	HOUR	TOPICS COVERED
11-09-2017	10.00AM TO 11:10AM	Python Course Content
		Core Python
		Introduction to Languages
	11:10AM TO 11:30AM	TEA BREAK
		What is Language?
	11:30 AM TO 1:10PM	Types of languages
		Introduction to Translators
		LUNCH BREAK
	1:10PM TO 2:20PM	Compiler
	2:20 PM TO 5:00PM	Interpreter
What is Scripting Language?		
12-09-2017	10.00AM TO 11:10AM	Types of Script
		Programming Languages v/s Scripting Languages
		Difference between Scripting and Programming languages
	11:10AM TO 11:30AM	TEA BREAK
		What is programming paradigm?
	11:30 AM TO 1:10PM	Procedural programming paradigm
		LUNCH BREAK
	1:10PM TO 2:20PM	Object Oriented Programming paradigm
		Introduction to Python
		What is Python?
2:20 PM TO 5:00PM	WHY PYTHON?	
	History	
	Features – Dynamic, Interpreted, Object oriented, Embeddable, Extensible, Large standard libraries, Free and Open source	
	Why Python is General Language?	
13-09-2017	10.00AM TO 11:10AM	Limitations of Python
		TEA BREAK
		What is PSF?
		Python implementations
	11:10AM TO 11:30AM	LUNCH BREAK
	11:30 AM TO 1:10PM	
	1:10PM TO 2:20PM	

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14-09-2017	2:20 PM TO 5:00PM	Python applications
		Python versions
		PYTHON IN REALTIME INDUSTRY
	10.00AM TO 11:10AM	Difference between Python 2 x and 3 x
		Difference between Python 3.7 and 3.8
		Software Development Architectures
	11:10AM TO 11:30AM	TEA BREAK
11:30 AM TO 1:10PM	<b>Python Software's</b>	
	Python Distributions	
1:10PM TO 2:20PM	LUNH BREAK	
2:20 PM TO 5:00PM	Download & Python Installation Process in Windows, Unix, Linux and Mac	
	Online Python IDLE	
	Python Real-time IDEs like Spyder, Jupyter Note Book, PyCharm, Rodeo, Visual Studio Code, ATOM, PyDevetc	
	<b>Python Language Fundamentals</b>	
10.00AM TO 11:10AM	Python Implementation Alternatives/Flavors	
	Keywords	
	Identifiers	
11:10AM TO 11:30AM	TEA BREAK	
11:30 AM TO 1:10PM	Constants / Literals	
	Data types	
	Python VS JAVA	
1:10PM TO 2:20PM	LUNCH BREAK	
2:20 PM TO 5:00PM	Python Syntax	
	<b>Different Modes of Python</b>	
	Interactive Mode	
	Scripting Mode	
10.00AM TO 11:10AM	Programming Elements	
	Structure of Python program	
16-09-2017	11:30 AM TO 1:10PM	First Python Application
		Comments in Python
	1:10PM TO	LUNCH BREAK

  
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**DEPARTMENT OF TRAINING & PLACEMENT CELL**

2:20PM	
2:20 PM TO 5:00PM	Python file extensions
	Setting Path in Windows
	Edit and Run python program without IDE
	Edit and Run python program using IDEs



Program coordinator

TPO

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**Trainer Details:**

Trainer Name : Mr. RAJENDRA REDDY .R  
Qualification : M.Tech(CSE)  
Experience : Software professional with 15 yrs experience in Data structures/

Mr. Rajender is leading PL/SQL developer having 10+ years of experience. He has an extensive experience of Oracle 8i,9i,10g,11g. Experience in Oracle Database Design and Development Proficiency in VC++, SQL, PL/SQL, Enterprise DB and also has an experience of Oracle application interfaces, PRO C, SQL Loader.

Rajender started his Career as a PL/SQL developer in Mumbai and he had also given corporate training for different US based company's and Laxai in Hyderabad. He is continuing his career as Oracle Trainer to provide efficient knowledge to the students and be helpful to grow up in their careers.

At present he is working in Freelancer and his aim is to train and give guidance to more & more students to develop their real time projects and stood as a leading developers in their company's.

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DEPARTMENT OF TRAINING & PLACEMENT CELL

## One Week Certification Programme On ORACLE By OMEGA HYDERABAD 22-01-2018 To 27-01-2018

### Program Schedule:

DATE	HOUR	TOPICS COVERED
22-01-2018	9:30am to 11.10am	<b>introduction to DBMS</b>
		Approach to Data Management
		Introduction to prerequisites
		File and Filesystem
		Disadvantages of file
		Review of Database Management Terminology
		Database Models
		Hierarchal Model
	11:10am To 11:30am	TEA break
		Relational Model
	11:30am to 1:10pm	<b>Introduction to RDBMS</b>
		Feature of RDBMS
		Advantages of RDBMS over FMS ad DBMS
		The 12 rules (E.F Codd's Rules –RDBMS)
1:10pm to 2:20pm	Lunch break	
2:20pm to 5:00pm	Need for Database Design	
	Support of Normalization Process for Data Management	
	Client-Server Technology	
	Oracle Corporation Products	
	Oracle Versions	
	About SQL&SQL*PLUS	
	<b>Sub Language Commands</b>	
	Data Definition Language (DDL)	
	Data Retrieval Language (DRL)	
	Data Manipulation Language (DML)	
Transaction Control Language (TCL)		
Database Security and Privileges (DCL)		
23-01-2018	9:30am to 11.10am	<b>Introduction to SQL Database Object</b>
		Oracle Pre Defined Datatypes
		DDL Commands
		Create, Alter (add, modify, rename, drop)Columns, Rename, truncate, drop

  
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		DML-Insert, update, delete
		DQL-SELECT Statements using WHERE clause
		Comparison and Conditional Operators
		Arithmetic and Logical Operators
	11:10am To 11:30am	Tea break
	11:30am to 1:10pm	Set Operators (UNION, UNION ALL, INTERSECT, MINUS) Special Operators – IN (NOT IN), BETWEEN (NOT BETWEEN), LIKE (NOT LIKE), IS NULL (IS NOT NULL) Working with DML, DRL Commands Operators Support
	1:10pm to 2:20pm	Lunch break
	2:20pm to 5:00pm	<b>Built-in Functions</b> Arithmetic Functions, Character Functions, Date Functions, Conversion Functions Aggregate Functions, OLAP Functions & General Functions <b>Grouping the Result of a Query</b> Using Group by and Having Clause of DRL Statement Using Order by clause <b>Working with Integrity Constraints</b> Importance of Data Integrity Support of Integrity Constraints for Relating Table in RDBMS
	9:30am to 11.10am	NOT NULL constraint UNIQUE constraint PRIMARY KEY constraint FOREIGN KEY constraint CHECK constraint Working with different types of Integrity Constraints <b>REF constraint</b> Understanding ON DELETE clause in referential integrity constraint
	11:10am To 11:30am	Tea break
	11:30am to 1:10pm	Working with a composite constraint
		Applying DEFAULT option to columns Working with multiple constraints upon a column

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24-01-2018

		Adding constraints to a table
		Dropping of constraints
	1:10pm to 2:20pm	Lunch break
	2:20pm to 5:00pm	Enabling / Disable constraints
		Querying for constraints information
		<b>Querying Multiple Tables (Joins)</b>
		Equi Join/Inner Join/Simple Join
		Cartesian Join
		Non-Equi Join
		Outer Joins
		Self Join
		<b>Working with Sub Queries</b>
		Understanding the practical approach to Sub Queries/Nested Select/Sub Select/Inner Select/Outer Select
	9:30am to 11.10am	What is the purpose of a Sub Query?
		Sub Query Principle and Usage
		Type of Sub Queries
		Single Row
		Multiple Row
		Multiple Column
		Applying Group Functions in Sub Queries
		The impact of Having Clause in Sub Queries
		IN, ANY/SOME, ALL Operators in Sub Queries
	PAIRWISE and NON PAIRWISE Comparison in Sub Queries	
	11:10am To 11:30am	Tea break
	11:30am to 1:10pm	Be ... Aware of NULL's
		Correlated Sub Queries
		Handling Data Retrieval with EXISTS and NOT EXISTS Operators
		<b>Working with DCL, TCL Commands</b>
	1:10pm to 2:20pm	Lunch break
	2:20pm to	Grant, Revoke


  
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## DEPARTMENT OF TRAINING & PLACEMENT CELL

	5:00pm 6	Commit, Rollback, Savepoint
		SQL Editor Commands
		SQL Environment settings
		<b>Maintaining Database Objects</b>
		<b>VIEWS in Oracle</b>
		Understanding the Standards of VIEWS in Oracle
		Types of VIEWS
		Relational Views
		Object Views
		Prerequisites to work with views
	9:30am to 11.10am	Practical approach of SIMPLE VIEWS and COMPLEX VIEWS
		Column definitions in VIEWS
		Using VIEWS for DML Operations
		In-Line View
		Forced Views
		Putting CHECK Constraint upon VIEWS
		Creation of READ ONLY VIEWS
		Understanding the IN LINE VIEWS
	11:10am To 11:30am	About Materialized Views
25-01-2018	11:30am to 1:10pm	View Triggers
		Working with Sequences
		Working with Synonyms
		Working with Index and Clusters
	1:10pm to 2:20pm	Creating Cluster Tables, Implementing Locks, working with roles
		Lunch break
	2:20pm to 5:00pm	<b>Pseudo Columns in Oracle</b>
		Understanding Pseudo Columns in Oracle
		Types of Pseudo Columns in Oracle
		CURRVAL and NEXTVAL
		LEVEL
		ROWID
		ROWNUM
		<b>Data Partitions and Parallel Process</b>
		Types of Partitions

  
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DEPARTMENT OF TRAINING & PLACEMENT CELL

26-01-2018	9:30am to 11.10am	Range Partitions
		Hash Partitions
		List Partition
		Composite Partition
		Parallel Query Process
	11:10am To 11:30am	Locks
		Tea break
	11:30am to 1:10pm	Row level Locks
		Table Level Locks
		Shared Lock
Exclusive Lock		
01:10pm to 2:20pm	Dead Lock	
	Lunch break	
	2:20pm to 5:00pm	
27-01-2018	9:30am to 11.10am	SQL * Loader
		SQL * Loader Architecture
	11:10am To 11:30am	Data file (Input Datafiles)
		Tea break
	11:30am to 1:10pm	Control file
Bad file		
Discard file		
01:10pm to 2:20pm	Log file	
	Lunch break	
2:20pm to 5:00pm	.txt to base table	
	.csv to base table	
	From more than one file to single table	

Program coordinator

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EPO



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## Department of Electrical & Electronics Engineering

<b>Name of the Course:</b> Basics of PLC		
<b>Course Code:</b> EEE-2018-19-CP01	<b>Programs Eligible:</b> B.Tech (EEE)	<b>Total Hours:</b> 42
<b>Objective:</b> The objective of this program is to make the students learn about PLC software, logic Gates, timers, counters, ladder design, Designing of control circuits for various industrial applications.		
<b>Outcome:</b> The students can able to: Understand the Basics of logic gates, logic design, PLC controller, Ladder designing, controller designing.		
Unit	Topics Covered	Lect. No
01	Introduction about PLC, working of logic gates, timers and counters, APSSDC registration and explanation on NO/NC contacts, Problems on logic gates and practice session.	07
02	Tasks on logic gates and NO/NC contacts, implementation of problems on PLC software, representation of set & Reset and conducted exam-1.	07
03	Explanation of Timers, Implementation of Timers on PLC software, Individual task to group members and in afternoon session conducted exam-2.	07
04	Explanation about Blocks and counters in detail. Practice session on Blocks and Counters and in afternoon session conducted exam-3.	07
05	Explanation about Comparators and Math operations. Tasks on Comparators & Math operations and conducted exam-4.	07
06	Introduction to Analog functions, offline exam and conducted batch wise task.	07
<b>Total Lecture Hrs.</b>		<b>42</b>

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## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The department is having well experienced & highly skilled faculty.

### DEPARTMENT ACHIEVEMENTS:

- Bang the UNIVERSITY GOLD MEDAL in 2015.
- Received THREE PRATHIBHA AWARDS from Government of Andhra Pradesh. TWO AWARDS in the year 2015 and ONE AWARD in the year 2017.
- Stood Two Times College Topper in the year of 2013 and 2015..
- 17 students secured All India GATE Ranks and 11 Students achieved below 10,000 All India Rank..
- 9 students participated in National Level Sports/Games event, representing JNTUA

*Mission: "To provide value based education in Electrical Engineering field".*

## ABOUT THE INSTITUTION

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross road on NH-40 with a motto of "**Education for Peace & Progress**".

### VISION

- To provide value based Education in Technical field.
- To become a Self-Sustained University.

### MISSION

- To establish Postgraduate Programs in Advanced Technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different affiliations. **Santhiram Engineering College** is Students Chapter of IIT (M), ISTE, CSI & IEEE etc.

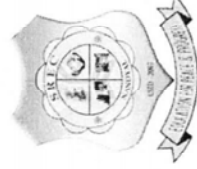
**A One Week ADD-ON Program**  
On

*Designing & Development of Fuzzy Logic Control for Electrical Applications Using MATLAB Software*

**Dates: 06-08-2018 to 11-08-2018**

**Organized By**

Department of  
**Electrical & Electronics Engineering**  
**In Association with IE (I), ISTE**  
**Students Chapter of SREC**



**SANTHIRAM ENGINEERING COLLEGE**

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An ISO 9001:2015 Certified Institution,  
2(f) & 12(B) Recognition by UGC Act, 1956  
NH-40, Nandyal-518501, Kurmool Dist., A.P.

## CHIEF PATRON

**Dr. M. SANTHIRAMUDU,**  
Chairman

## PATRON

**Er. M.SIVARAM,**  
Managing Director

## CONVENER

**Dr. M.V.SUBRAMANYAM,**  
Principal, SREC

## CO-CONVENER

**Mr. M. Y. VEERESH,** HOD-EEE

## COORDINATOR

**Ms. R.SUJATHA**  
Asst. Professor

## CO-COORDINATOR

**Mr. S. SEETHARAMUDU,** Asst.Professor

## ORGANIZING COMMITTEE

**Mr. K. RAJASEKHARA REDDY**  
Asst. Professor

**Mr.M.SIVA SANKAR,**  
Asst. Professor

**Mr.U.M.SANDEEP KUMAR,**  
Asst. Professor

**Mr. A. RAGHAVENDRA PRASAD,**  
Asst. Professor

**Mr. V. RAMANJENEYULU,**  
Asst. Professor

**Mr. N.V.S.PRASAD**  
Asst. Professor

## **SPEAKER DETAILS**



**Mr. SEETHA CHITHANYA**  
Research Scholar  
JNTUA, Ananthapuramu

## **TOPICS TO BE COVERD**

- ✓ Introduction to Electrical Engineering and Fuzzy logic sets, theory.
- ✓ Membership functions, properties and operations.
- ✓ Fuzzy Relations & Reasoning's.
- ✓ Fuzzy Inference Systems.
- ✓ Fuzzification and Defuzzification & Introduction to MATLAB/Simulink.
- ✓ Introduction to Power systems: Load Forecasting & Optimization technique.
- ✓ Design of Fuzzy Logic systems to Load forecast model and Optimization of power plant (Unit Commitment).

## **CONTACT US**

**Ms. R.SUJATHA**

**Co-ordinator**

Asst. Professor / EEE  
**Sri Sree Sreenivasa Murthy College**  
N.Mai Id:  
Ph: 7659995746

[sujatha.eee@srecnandyal.edu.in](mailto:sujatha.eee@srecnandyal.edu.in)

**A One Week ADD-ON Program**  
On

*Designing & Development of  
Fuzzy Logic Controls for  
Electrical Applications Using  
MATLAB Software*

**Dates: 06-08-2018 to 11-08-2018**

## **REGISTRATION FORM**

1. Name: \_\_\_\_\_
  2. Year/Branch & Sem : \_\_\_\_\_
  3. Name of the college: \_\_\_\_\_
  4. Address for Correspondence: \_\_\_\_\_
  5. Contact detail: \_\_\_\_\_
  6. Email Id: \_\_\_\_\_
- Signature of Student

## CERTIFICATE

This is to certify that, the above member(s) is/ are bonafied student(s) of our institution and the information given is correct.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Head of the Institution  
**1179**

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### VISION

- To provide value based Education in Technical field.
- To become a Self-Sustained University.
- To establish Postgraduate Programs in Advanced Technologies.
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE, CSI & IEEE etc.

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The department is having well experienced & highly skilled faculty.

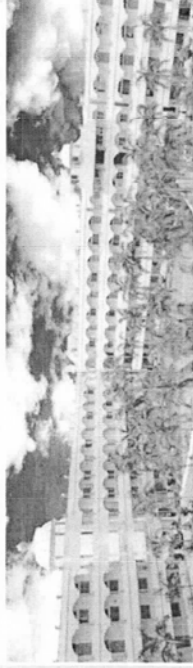
### DEPARTMENT ACHIEVEMENTS:

- Bang the UNIVERSITY GOLD MEDAL in 2015.
- Received THREE PRATHIBHA AWARDS from Government of Andhra Pradesh. TWO AWARDS in the year 2015 and ONE AWARD in the year 2017.
- Stood Two Times College Topper in the year of 2013 and 2015.
- 17 students secured All India GATE Ranks and 11 Students achieved below 10,000 All India Rank.
- 9 students participated in National Level Sports/Games event, representing JNTUAA Nantapur.
- Students placed in Top MNC companies

**Santhiram Engineering College**  
MISSION: **N A M D V A I**

**“To provide value based education in Electrical Engineering field”.**

# SANTHIRAM ENGINEERING COLLEGE



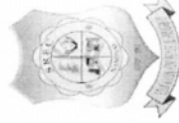
## A ONE WEEK CERTIFICATE PROGRAM

**ON**  
**ELECTRICAL DESIGNING & CONNECT  
ENGINEERS TO MEP INDUSTRY**

**Date(s): 28-01-2019 to 02-02-2019**

**Organized by**  
**DEPARTMENT OF**  
**ELECTRICAL & ELECTRONICS**  
**ENGINEERING**  
**IN ASSOCIATION WITH**

**AMI ENGINEERING & INFRASTRUCTURE &  
IE(I) and ISTE Students Chapters of SREC**



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**₹1200**  
NH-40, Nandyal-518501: Kurnool Dist., A.P.



## ABOUT THE PROGRAM

In Mechanical, Electrical and Plumbing(MEP) refers to building design and construction. MEP design is important for design, decision-making, accurate documentation, performance and cost-estimation, construction planning, managing and operating the resulting facility.

The MEP coordination presents a research design in hospitals, laboratories, biotech manufacturing plants design, complex buildings and industrial facilities through improved integration and mechanical, electrical and plumbing (MEP) coordination, so we need specialty design consultants and contractors to perform this work. Improving the coordination process for mechanical, electrical, and plumbing (MEP) systems on complex buildings and light industrial projects presents a major opportunity to improve project performance through increased integration. The main objective of MEP is to design, installation, commissioning, operation, and maintenance such as process piping, HVAC piping, WAC ductwork, plumbing, electrical, fire protection and control.

## TOPICS TO BE COVERED

- ✓ Introduction to AMI Engineering & Infrastructure & MEP Industry and Importance of Electrical Engineers to Industries & Concept of overall MEP Projects.
- ✓ Coordination with HVAC, Plumbing, firefighting, Mechanical Systems Like Chillers, AHU, FCU, Water and Drainage Pumps, firefighting pumps etc.,
- ✓ Important formulas for Electrical Designing & Important symbols for electrical designing.
- ✓ Cable size calculations & So numerical problems & Introduction to dialux software.
- ✓ Development of single line diagrams & Load calculations & Overview of codes and standard IEC/NEC/NBC/DEWA.
- ✓ Selection of APFCP (Automatic Power factor correction panel) & Circuit breaker sizing calculations (ACB, VCB, MCB, MCCB, ELCB, RCCB & ROCB).
- ✓ Project Block diagram, Project 1 - sample Class Room & Project 2- Decanting Pump Control Panel.

## RESOURCE PERSONS DETAILS



**Mr. Syed Hidayatulla,**  
Managing Director,  
AMI Engineering & Infrastructure,  
Nandyal.



**Mr. Ali Akbar,**  
Project Engineer,  
AMI Engineering & Infrastructure,  
Nandyal.

## INSTRUCTIONS TO PARTICIPANTS

- All II, III, IV B.Tech – EEE pursuing students are eligible.
- Manual Registration will starts at 9.00 A.M on 28/01/2019.
- Registration fee - Rs.500/-.
- Important dates 28-01-2019 to 02-02-2019.
- Students must be were Identity Card.
- Lunch will provided to all participants.
- Active participants will get certificates.

## CONTACT FOR REGISTRATION

**Ms. G. Priyanka**

**Santhiram Engineering College**

Ph: 8500493755 A I

Email Id:

[Priyanka.eee@srecnandyal.edu.in](mailto:Priyanka.eee@srecnandyal.edu.in)

## CHIEF PATRON:

**Dr.M. SANTHIRAMUDU,** Chairman

## PATRON:

**Dr. M.SIVARAM,** Managing Director

## CONVENER:

**Dr. M.V.SUBRAMANYAM**

Principal, SREC

## CO-CONVENER:

**Mr. M. Y. VEERESH . HOD-EEE**

## COORDINATOR

**Ms.G.PRIYANKA**

Asst.Professor

## ORGANIZING COMMITTEE

**Mr. RAJASEKHARA REDDY**

Asst. Professor

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**Mr.U.M.SANDEEP KUMAR**

Asst. Professor

**Mr.S.SEETHARAMUDU**

Asst. Professor

**Mr.N.V.S.PRASAD**

Asst. Professor

**Ms.R.SUJATHA**

Asst. Professor

## STUDENT COORDINATORS

**Ms.D. SABITHA BEE - 17X51A0203**

**Mr.M. VINAY KUMAR RAJU - 17X51A0209**

**Mr.M. KAMALAKAR - 17X51A0211**

**Mr.K NAVEEN KUMAR REDDY - 17X51A0207**

**Ms.Hima Bindu.Y - 16X51A0202**

**Mr.Krishna Teja.P - 16X51A0203**



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Course: <b>ESSENTIALS of NX DESIGNERS</b>		
Course Code: ME-01- 2018-2019	Programs Eligible: B.Tech (ME)	Total Hours: 30hrs
<b>Objective:</b> To Learn the essential NX workflows necessary for creating and editing parametric models.		
<b>Outcome:</b> Students can learn how to create sketches to capture design intent, how to model a part efficiently, as well as assemble parts into product assemblies and produce drawings.		
Unit	Topics Covered	Lect. No
01	Introduction to NX part files	02
02	Work with NX part files and NX template files	03
03	Understand how to effectively use the NX user interface and work space	04
04	Create sketches to capture design intent	04
05	Create reference geometry for model development such as datum planes, axes, and coordinate systems	04
06	Create basic features by sweeping and extruding geometry	02
07	Analyze feature geometry	02
08	Add detail to features such as blends and drafts	02
09	Produce assemblies of component parts	04
10	Produce annotated 2D & 3d drawings of models	03
Total Lecture Hrs.		30

HoD

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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering

#### Program on “ESSENTIALS OF NX DESIGNERS”

From (23/7/2018-28/7/2018)


#### PROGRAM SCHEDULE

DAY 1: 23/07/2018- Monday

S.NO	TIME	TOPICS COVERED
1	9:30AM- 1:00PM	Online Registration form fillage by the students
2.	1:00PM- 2:00PM	Lunch Break
3.	2.00 -3.30 PM	Introduction to the NX CAD  Getting started with NX and NX Interface
4	3.30 -3.40 PM	Tea Break
5	3.40-5.00 PM	Trainer given PDF Essentials of NX CAD to the all students, for study Purpose.

DAY 2: 24/07/2018- Tuesday

S.NO.	TIME	TOPICS COVERED
1.	9.30AM - 11.00 PM	Coordinate systems  Creating Sketches  Constraining sketches
2.	11.00AM - 11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced on coordinate systems and sketches and its constraints.
4.	1.00- 2.00 PM	Lunch break
5.	2.00-3.45 PM	Practice on Constraining sketches

  
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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering


6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 5.00 PM	Practice on Editing of sketches and manipulating of sketches and sweeping geometry

#### DAY 3: 25/07/2018 - Wednesday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Geometry Relationship Trimming a Solid Body Blending and chamfering edges
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced on above Geometry Relationship, Trimming a Solid Body, Blending and chamfering edges
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Creating and Editing Holes Copying and Mirroring part segments
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 5.00 PM	Practiced on Creating and Editing Holes, Copying and Mirroring part segments

#### Day 4: 26/07/2018 - Thursday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 AM	Creating and Editing Shell features Examine the structure Modifying Geometry of imported parts
2.	11.00 -11.15	Tea Break

  
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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering


	AM	
3.	11.15- 1.00 PM	Practiced on Creating and Editing Shell features, Examine the structure and Modifying Geometry of imported parts
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Introduction of Assembly Loading and Working with assembly Adding and positioning parts in an assembly
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 5.00 PM	Practiced on Loading and Working with assembly, Adding and positioning parts in an assembly

#### DAY 5: 27/07/2018

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Creating Simple Drafting figures Revision overall course contents
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practice on creating drafting figures and practiced for assessment.
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Assessment----
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 5.00 PM	End Exam on Sample Models

#### DAY 6: 28/07/2018

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 1.00 PM	Produce annotated 2D & 3d drawings of models

  
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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

### Department of Mechanical Engineering

2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practice on 2D & 3d drawings.
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Practice on Assembly Drawing and Drafting.
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 5.00 PM	Exam on creating 2D and 3D models, Exam On Creating Assembly Drawing and Drafting

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Ref. No. SREC/ME/CIR/2018-19/No.02

Dt: 16/07/2018

#### CIRCULAR

**PROGRAM ON ESSENTIALS OF NX DESIGNERS** has been arranged for all the IV-I Year B.Tech, Mechanical Engineering Students from 23/7/2018 to 28/7/2018. The program is offered by **SIEMENS CENTRE OF EXCELLENCE, JNTUA** and **Mr. K.Anil Kumar trainer** is acting as resource person for this program. The interested Students are advised to contact Program incharge **Mr. Syed Kwaja Moinuddin**, Asst. Prof. / ME to register for this program on or before **21.07.2018**. The Students registered for this program alone eligible to attend this program.

  
HoD

Copy to:-

1. Principal Sir
2. All HoDs
3. Department Notice Board

  
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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Program on ESSENTIALS of NX DESIGNERS

Dt: 23/07/2018

#### Speaker Profile



Name : **K. Anil Kumar Nair**

Designation : Trainer

Department : **SIEMENS CENTRE OF EXCELLENCE**

**(Design tech Technology for designing the future)**

Contact No. : 9686248240

E-Mail: anilkumar.k @designtechsys.com

Qualification : M.Tech

Experience : 3 Years

Areas of Interest: CAD/CAE

#### Proficiency of the Resource Person:

Working as Junior Trainer in **SIEMENS CENTRE OF EXCELLENCE** "Design Tech Systems from Jan 2017 to right now.

- Studied M.Tech. In CAD/CAM Engineering.
- Studied Mechanical engineering.

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Course: <b>ESSENTIALS of NX CAD</b>		
Course Code: <b>ME-16-2018-2019</b>	Programs Eligible: <b>B.Tech (ME)</b>	Total Hours: <b>30hrs</b>
<b>Objective:</b> To Learn the essential NX workflows necessary for creating and editing parametric models.		
<b>Outcome:</b> Students can learn how to create sketches to capture design intent, how to model a part efficiently, as well as assemble parts into product assemblies and produce drawings.		
Unit	Topics Covered	Lect. No
01	Introduction to NX part files	02
02	Work with NX part files and NX template files	03
03	Understand how to effectively use the NX user interface and work space	04
04	Create sketches to capture design intent	04
05	Create reference geometry for model development such as datum planes, axes, and coordinate systems	04
06	Create basic features by sweeping and extruding geometry	02
07	Analyze feature geometry	02
08	Add detail to features such as blends and drafts	02
09	Produce assemblies of component parts	04
10	Produce annotated 2D & 3d drawings of models	03
Total Lecture Hrs.		30

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NH-40, Nandyal – 518501, Kurnool Dist. A.P.

## Department of Mechanical Engineering

### Program on “ESSENTIALS OF NX DESIGNERS”

From (7/01/2019-11/01/2019)


#### PROGRAM SCHEDULE

DAY 1: 07/01/2019- Monday

S.NO	TIME	TOPICS COVERED
1	9:30AM- 1:00PM	Online Registration form fillage by the students
2.	1:00PM- 2:00PM	Lunch Break
3.	2.00 -3.30 PM	Introduction to the NX CAD  Getting started with NX and NX Interface
4	3.30 -3.40 PM	Tea Break
5	3.40-6.00 PM	Trainer given PDF Essentials of NX CAD to the all students, for study Purpose.

DAY 2: 08/01/2019- Tuesday

S.NO.	TIME	TOPICS COVERED
1.	9.30AM - 11.00 PM	Coordinate systems  Creating Sketches  Constraining sketches
2.	11.00AM - 11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced on coordinate systems and sketches and its coustraints.
4.	1.00- 2.00 PM	Lunch break
5.	2.00-3.45 PM	Practice on Constraining sketches

  
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### Department of Mechanical Engineering


6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practice on Editing of sketches and manipulating of sketches and sweeping geometry

#### DAY 3: 09/01/2019- Wednesday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Geometry Relationship Trimming a Solid Body Blending and chamfering edges
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced on above Geometry Relationship, Trimming a Solid Body, Blending and chamfering edges
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Creating and Editing Holes Copying and Mirroring part segments
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practiced on Creating and Editing Holes, Copying and Mirroring part segments

#### Day 4: 10/01/2019- Thursday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 AM	Creating and Editing Shell features Examine the structure Modifying Geometry of imported parts
2.	11.00 -11.15 AM	Tea Break

  
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### Department of Mechanical Engineering

3.	11.15- 1.00 PM	Practiced on Creating and Editing Shell features, Examine the structure and Modifying Geometry of imported parts
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Introduction of Assembly Loading and Working with assembly Adding and positioning parts in an assembly
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practiced on Loading and Working with assembly, Adding and positioning parts in an assembly

#### DAY 5: 11/01/2019

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Creating Simple Drafting figures Revision overall course contents
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practice on creating drafting figures and practiced for assessment, Produce annotated 2D & 3d drawings of models
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Practice on Assembly Drawing and Drafting
6.	3.45- 6.00 PM	Exam on creating 2D and 3D models and Creating Assembly Drawing and Drafting.

  
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# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

(Approved by AICTE, New Delhi; Permanent Affiliated to JNTU A, Anantapuramu)

An ISO 9001:2015 Certified Institution, 2(f) & 12(B) Recognition by UGC Act, 1956

NH-40, Nandyal-518501; Kurnool Dist. A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Ref. No. SREC/ME /CIR/2018-19/No.17

Dt: 01/01/2019

### CIRCULAR

**PROGRAM ON ESSENTIALS OF NX DESIGNERS** has been arranged for the benefit of III-II Year B.Tech, Mechanical Engineering Students from 7/01/2019-11/01/2019. The program is offered by **SIEMENS CENTRE OF EXCELLENCE, JNTUA** and **Mr. K.Anil Kumar** trainer is acting as resource person for this program. The interested Students are advised to contact Program incharge **Mr. Syed Kwaja Moinuddin**, Asst. Prof. / ME to register for this program on or before **05.01.2019**. The Students registered for this program alone eligible to attend this program.

*Ramulu*  
HoD

Copy to:-

1. Principal Sir
2. All HoDs
3. Department Notice Board

*[Signature]*  
Principal  
Santhiram Engineering College  
NANDYAL



## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

(Approved by AICTE, New Delhi; Permanent Affiliated to JNTU-A, Anantapuramu)  
An ISO 9001:2015 Certified Institution, 2(f) & 12(B) Recognition by UGC Act, 1956  
NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Program on ESSENTIALS of NX DESIGNERS

Dt: 7/01/2019

#### Speaker Profile



Name : **K. Anil Kumar Nair**

Designation : Trainer

Department : **SIEMENS CENTRE OF EXCELLENCE**

(Design tech Technology for designing the future)

Contact No. : 9686248240

E-Mail: anilkumark.siemens@gmail.com

Qualification : M.Tech

Experience : 3 Years

Areas of Interest: **CAD/CAE**

#### Proficiency of the Resource Person:

Working as Junior Trainer in **SIEMENS CENTRE OF EXCELLENCE** "DesignTech Systems from Jan 2017 to right now.

- Studied M.Tech. In CAD/CAM Engineering.
- Studied Mechanical engineering.

Principal  
**Santhiram Engineering College**  
NANDYAL

**REGISTRATION FORM**  
**COURSE ON**  
**CAD/CAM/CAE TOOLS**

**From 09<sup>th</sup> AUG, 2018 to 14<sup>th</sup> AUG, 2018**

- 1. Name :
- 2. Designation/ Year :
- 3. Dept./ Branch :
- 4. College :
- 5. Address for Correspondence :
- 6. Contact Phone Nos. :
- 7. E-mail ID :

**Declaration**

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

**CERTIFICATE**

This is to certify that, the above member(s) is/ are Bonafide student(s) of our Institution and the information given Above is correct.  
 Place:

Date: \_\_\_\_\_  
 Signature of \_\_\_\_\_  
 Head of Institution / Department  
 With seal

\* Photocopies of this form can be used

**ORGANIZING COMMITTEE**

**Chief Patron:**  
**Dr. M. Santhiramudu, Chairman, SREC**

**Patron:**  
**Er. M. Sivaram, Managing Director, SREC**

**Convener:**  
**Dr. M. V. Subramanyam, Principal, SREC**

**Co conveners:**  
**Dr. Ramesh Raju, HoD, Professor, Dept. of ME, SREC**  
**Mr. P. Moulali, Asst. Prof, Dept of ME, SREC**

**Coordinator:**

**P. Madhuagava**

**Technical Committee:**

- Mr. M. Ravichandra Asst. Prof.
- Mr. P. Nagaraju, Asst. Prof.
- Mr. O. Jayaramudu, Asst. Prof.
- Mr. S. K. Raja Moinuddin, Asst. Prof.
- Mr. V. Sudharshan Asst. Prof.
- Mr. K. L. Srinivasulu Asst. Prof.

**Student Coordinators:**

**Mr. K. Venkata Suresh -9010989320 -IV ME Mr. N. Jagadeeswara Reddy -8187087110 -IV ME**

The participants can download Registration Form available on the SREC website (<http://www.srecmandyal.edu.in>) or otherwise can use the registration form available overleaf.

Completed registration form should be sent to us through E-mail: [hod\\_mech@srecmandyal.edu.in](mailto:hod_mech@srecmandyal.edu.in) on or before, 8<sup>th</sup> August 2018.

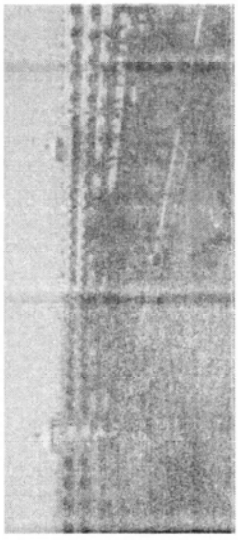
Address for correspondence:

**Principal,**  
**Santhiram Engineering College**  
 NH-40, Nandyal, 518501, K. A. M. of College  
**Santhiram Engineering College**  
**NANDYAL**

**ADD ON PROGRAM ON**  
**CAD/CAM/CAE TOOLS**



**From 09<sup>th</sup> AUG, 2018 to 14<sup>th</sup> AUG, 2018**



**Organized by**  
**Department of Mechanical Engineering**



**EWB Student Chapter, SREC**

**SANTHRAM ENGINEERING COLLEGE**  
 Approved by AICTE, New Delhi  
 Permanently Affiliated to JNTUA, Ananthapuramu,  
 An ISO 9001:2015 Certified Institution Recognized  
 under 2 (f) & 12 (B) of the UGC ACT, 1956 NH-40,  
 Nandyal - 518501 :: Kurnool Dist. A.P. Visit us @  
[www.srecmandyal.edu.in](http://www.srecmandyal.edu.in)

## ABOUT THE COLLEGE

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". SREC is approved by AICTE, New Delhi; Recognized by UGC under 2(f) and 12 (B); Permanently Affiliated to JNTUA, Ananthapuramu; Certified to an ISO 9001:2015. 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 THE DEPARTMENT

The Department of Mechanical Engineering is started with a vision to establish a global knowledge centre in the field of mechanical engineering where the best of scientific and technical education, research and industry outreach the synergizing culminations.

The Department of Mechanical Engineering (ME) is offering a UG Program in B.Tech from the year 2011 with an intake of 60 students and it was increased to 120 in 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. The Department's strength is constantly upgrading infrastructure & Laboratory facilities. The department has well qualified, dedicated and experienced faculty. A conducive environment exists in the Department for both students and staff. Quality technical education is provided to the students in the core areas of the field to meet the challenges of globalization. The Department also associated with Engineers Without Borders-India (EWB-India) a students' Chapter

## ABOUT THE PROGRAM

The intention of this session is to introduce the concepts of introduction to Basics Commands Interface of Modelling and editing of 2D & 3D Models parametric by using CAD/CAM/CAE TOOLS (SOLIDWORKS).

Assemble Basics and its Constraints Using Design Tables Produce Assemblies of Component Parts Commands. Practice Analysis to Produce 2D& 3D Models. Analyze Some Sample Parts of Automotive geometry. Produce assemblies of component parts and Wireframe Commands. The basic design principles, challenges and applications will be briefed which can help students to choose their career accordingly.

This session is to help the students appreciate the importance of basics that are taught as part of the curriculum. Focus will be on connection of basics with real life applications.

## RESOURCE PERSONS

**Mr. Shaik Abid Hussain from Skill Room O..Jayaramudu from SREC**

## ELIGIBILITY

Faculties, Research scholars and Engineering Students from AICTE affiliated institutions can attend. Total number of participants are limited. Therefore, early registration is highly recommended.

## Travel Allowance & Accommodation

The Reimbursement of Travel expenses & TA will not be provided to any participants. Accommodation will be provided on limited basis on prior request for outstation participants. The participants of SREC has facility to attend this expert lecture.

For more details visit [www.saniram.ac.in](http://www.saniram.ac.in)  
**Santhiram Engineering College**  
NANDYAL

## Venue

The Auditorium Block,  
Department of ME., SREC, Nandyal 518501, AP, India





**REGISTRATION FORM**

**PROGRAM ON**

**FUNDAMENTAL OF AUTOCAD -APSSDC**

**From 18<sup>th</sup> Feb, 2019 to 23<sup>rd</sup> Feb, 2019**

1. Name :
2. Designation/ Year :
3. Dept./ Branch :
4. College :
5. Address for  
Correspondence :
6. Contact Phone Nos. :
7. E-mail ID :

**Declaration**

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

**CERTIFICATE**

This is to certify that, the above member(s) is/ are bonofide student(s) of our Institution and the information given above is correct.

Place:

Date:

Signature of  
Head of Institution / Department  
With seal

\*Photocopies of this form can be used

**ORGANIZING COMMITTEE**

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**Patron:**

**Er. M. Sivaram**, Managing Director, SREC

**Convener:**

**Dr. M. V. Subramanyam**, Principal, SREC

**Co conveners:**

**Dr. Ramesh Raju**, HoD, Professor, Dept. of ME, SREC

**Mr. P.Moulali**, Asst. Prof, Dept of ME, SREC

**Coordinator**

**P.Venkataramana**

**Technical Committee:**

Mr. M Ravichandra Asst. Prof.

Mr P.Nagaraju, Asst. Prof.

Mr. O.Jayaramudu, Asst. Prof.

Mr. S Kwaja Moinuddin. Asst.

Prof. Mr.V.Sudharshan Asst. Prof.

Mr. K. L. Srinivasulu Asst. Prof.

**Student Coordinators:**

Mr K Venkata Suresh-9010989320 -III ME

Mr. N Jagadeeswara Reddy -8187087110 -III ME

The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.

Completed registration form should be sent to us through E-mail:hod.mech@srecnandyal.edu.in on or before 16<sup>th</sup> February, 2019.

**Address for correspondence:**

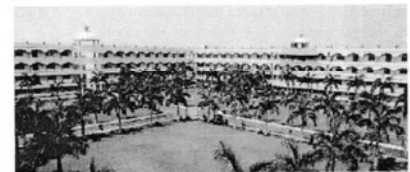
The Convener,  
Santhiram Engineering College  
NH-40, Nandyal - 518501, Kurnool(Dist.)

**PROGRAM ON**

**FUNDAMENTAL OF AUTOCAD -APSSDC**



**From 18<sup>th</sup> Feb, 2019 to 23<sup>rd</sup> Feb, 2019**



**Organized by**

**Department of Mechanical Engineering**

And in  
Association with



**EWB Student Chapter, SREC**

**SANTHIRAM ENGINEERING COLLEGE**

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NH-40, Nandyal - 518501 - Kurnool Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

## REGISTRATION FORM

### One Week Certificate Program

On  
Current Challenges and Applications of Speech  
Processing

23-28 JULY 2018

1. Name :
2. Designation/ Year :
3. Dept./ Branch :
4. College :
5. Address for Correspondence :
6. Contact Phone Nos. :
7. E-mail ID :

#### Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

#### CERTIFICATE

This is to certify that, the above member(s) is/ are bonafide student(s) of our Institution and the information given above is correct.

Place:

Date:

Signature of  
Head of Institution / Department  
With seal

## ORGANIZING COMMITTEE

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#### Patron:

Er. M. Sivaram, Managing Director, SREC

#### Convener:

Dr. M. V. Subramanyam, Principal, SREC

#### Co conveners:

Mr. Y. Mallikarjuna Rao,

Head of the Department of ECE, SREC

#### Coordinator:

Mr. K. Sampath Kumar  
Asst. prof-8309395743

#### Technical Committee:

Mr. M. Mohan Reddy, Asst. Prof.

Mr.S. Munawwar, Asst. Prof.

Mrs.T. Nagamani, Asst. Prof.

#### Student Coordinators:

Mr. Y. Dileep Kumar Reddy -7780637640 -IV ECE

Ms. M.V. Ranga Meghana -9542570854 -IVECE

Mr. K.Siva Dastagiri -9959241024 -IVECE

Mr.B. Srinivasulu -9160879438-IVECE

The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.

Completed registration form should be sent to us through E-mail: [sampath.ece@srecnandyal.edu.in](mailto:sampath.ece@srecnandyal.edu.in) on or before 25July, 2018.

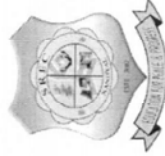
Address for contact

**Santhiram Engineering College**  
Santhiram Engineering College,  
NH-40, Nandyal-518501(Kurmool(Dist.)

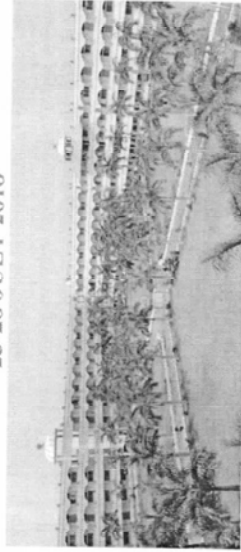
## One Week Certificate Program

On

### Current Challenges and Applications of Speech Processing



23-28 JULY 2018



#### Organized by

Department of Electronic & Communication  
Engineering  
In Association with

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



#### SANTHIRAM ENGINEERING COLLEGE

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NH-40, Nandyal - 518501; Kurmool Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

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## ABOUT THE 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 is upgraded to 120 seats in 2008. Forecasting the tremendous growth & opportunities in VLSI, the Department also started a Master of Technology (M. Tech) program in VLSI System Design in the year 2011 with an intake of 12 seats. The department received an ISO 9001:2015 certification for its qualitative functioning. The objectives of the department include: to produce quality engineers, indulge in research and promote the 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.

## ACHIEVEMENTS OF SREC

- Ranked as 'AA' grade in CSR in 2014
- Received "Two gold medals from JNTUA"
- Received three Prathibha Awards from Govt. of A.P.

## ABOUT THE PROGRAM

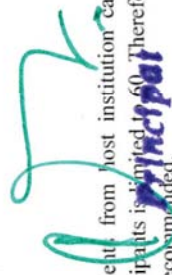
One Week Certificate Program Organized by Department of Electronics and Communication Engineering in Santhiram engineering college, Nandyal, this academy role is to offer faculty for courses and emerging areas of Electronics, Information Communication Technologies, Curriculum development, Advice and support for technical incubation and entrepreneurial activities. Current Challenges and Applications in Speech processing is a vast research field for researchers in modern era. Earlier, the human language was processed by the computer system for speech recognition. Thus, the main objective is to develop recognition system which improves human to human communication by enabling human-machine communication by processing of text or speech. Various applications of speech processing systems are present and these all includes various research challenges.

## ABOUT THE RESOURCE PERSON

Dr. Anil Kumar Vuppala received his B. Tech in Electronics and Communications Engineering from JNTU, Hyderabad, India, in 2005, and he received M. Tech in Electronics and Communications Engineering from NIT, Kurukshetra, in 2007, and received PhD in signal processing from IIT Kharagpur, in 2012. From March 2012 he has been working as Assistant Professor at IIIT, Hyderabad. His research interests lie primarily in speech processing in mobile and practical environments. He has published more than 50 reputed international journal and conference papers. He has completed 2 sponsored projects and is currently handling 3 sponsored projects. He is BOS member for 5 autonomous colleges.

## ELIGIBILITY

IV.B Tech ECE Students from host institution can attend. Total number of participants is limited to 60. Therefore, early registration is highly recommended.

  
Principal  
**Santhiram Engineering College**  
**NANDYAL**

## REGISTRATION FEE:

- Registration fee for IE & IEEE Members: Rs.150/-
- Registration fee for non-membership person: Rs.200/-
- Last date for Registration: 20-07-18

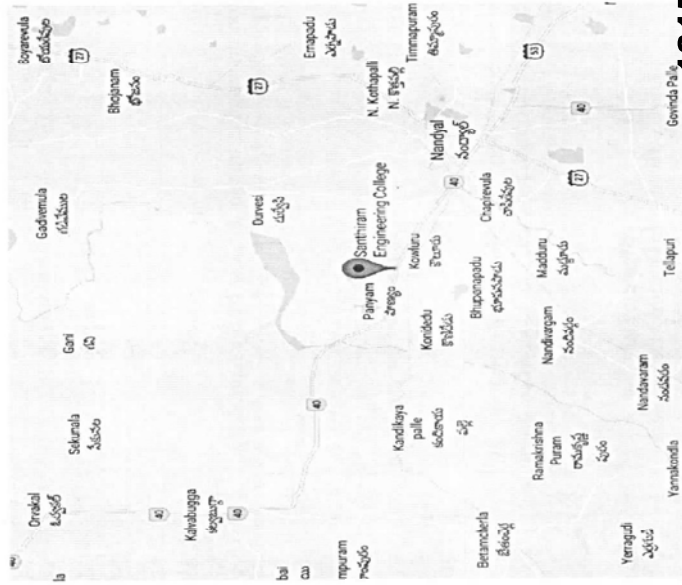
## Travel Allowance & Accommodation

The reimbursement of travel expenses & TA will not be provided to any participants. Accommodation will be provided on limited basis on prior request for outstation participants. The participants can avail the SREC bus facility to attend this expert lecture.

For route details, please refer <http://www.srecnandyal.edu.in>

## VENUE

The Auditorium Block,  
Department of ECE, SREC, Nandyal 518501, AP, India





**SANTHIRAM ENGINEERING COLLEGE :: NANDYAL**  
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 NH-40, Nandyal-518501, Kurnool-Dist., Andhra Pradesh



A One Week Add On Program On

## Analysis of Electronic Circuits Using ESIM

### ORGANIZING COMMITTEE

**Dates: 06-11 AUG 2018**

In Association with

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



### VENUE

The Auditorium Block,

Department of ECE, SREC, Nandyal 518501, AP, India

### ABOUT DEPARTMENT

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### Resource Person

Mr. S. Arif Basha  
 Assistant Professor,  
 Dept. of. ECE  
 SREC, Nandyal.

*Principal*

*Santhiram Engineering College*  
**NANDYAL**

### STUDENT COORDINATORS

Miss. AMARAVATHI HIMA BINDU  
 Mr. PAGIDELA SAI CHARAN REDDY  
 Miss. BALLARI PUSHPALATHA  
 Mr. P SAI BABA

### Coordinator

Mr. B. Prathap Reddy  
 Assistant Professor,  
 Dept. of. ECE,  
 SREC, Nandyal.

### Chief Patron:

Dr. M. Santhiramudu, Chairman, SREC

### Patron:

Er. M. Siva ram, Managing Director, SREC

### Convener:

Dr. M. V. Subramanyam, Principal, SREC

### Co conveners:

Mr. Y. Mallikarjuna Rao, HOD, Dept. of  
 ECE, SREC

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- The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.
- The candidate can also register in person with program coordinator Mr.B. Prathap Reddy, Assistant professor, Dept. of. ECE.
- Completed registration form should be sent to us through

E-mail: [prathap.ece@srecnandyal.edu.in](mailto:prathap.ece@srecnandyal.edu.in)

### Eligibility & Registration Fee

II II B. Tech ECE students from home institution can attend. Total number of participants are limited to 120. Therefore, early registration is highly recommended. There is no registration fee

## VENUE

The Auditorium Block,  
Department of ECE, SREC, Nandyal 518501, AP, India

## REGISTRATION FORM

ONE WEEK ADD ON PROGRAM  
On

Simulation of Electronic Circuits by using E sim  
03/02/2020 to 08/02/2020

1. Name :  
2. Designation/ Year :  
3. Dept./ Branch :  
4. College :  
5. Address of correspondence:  
6. Contact Phone Nos. :  
7. E-mail ID :

## Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

## CERTIFICATE

This is to certify that, the above member(s) is/ are ~~Practising~~ student(s) of our Institution and the Information given above is correct.

**Santhiram Engineering College**  
NANDYAL

Place:

Signature of

1363

**REGISTRATION FORM**  
One Week Add On Program

On  
"IoT Based Embedded System  
Applications in Real Time"  
14-19 JAN 2019

1. Name :  
2. Designation/Year :  
3. Dept./ Branch :  
4. College :  
5. Addressfor :  
Correspondence

6. ContactPhoneNos. :  
7. E-mailID :  
8. RegistrationFee **FREE**

The participants can download Registration Form available on the SREC Website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form availableoverleaf.

Completed registration form should be sent to us through E-mail: [mmr.ece@srecnandyal.edu.in](mailto:mmr.ece@srecnandyal.edu.in) on or before 11<sup>th</sup> January, 2019.

**ORGANIZING COMMITTEE**

**Chief Patron:**  
Dr. M. Santhiramudu, Chairman, SREC

**Patron:**  
Er. M. Sivaram, Managing Director, SREC

**Convener**  
Dr. M. V. Subramanyam, Principal, SREC

**Co-Convener**  
Mr. Y. Mallikarjuna Rao  
Head of the Department of ECE, SREC

**Coordinator**  
Mr. M. Mohan Reddy,  
Asst. prof-8309395743

**Students Coordinators**  
Mr. M.V. Akhileswar  
Mr. T.Sundir Kumar  
Mr. Pavan  
Mr. Pothularaiah

Address for correspondence:

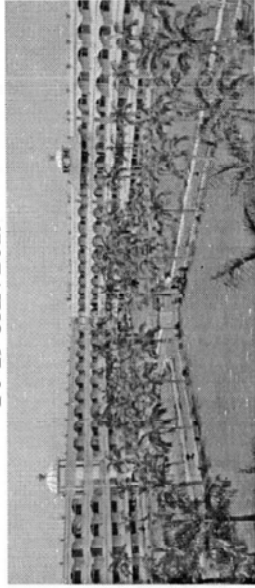
*Principal*

The Convener,  
**Santhiram Engineering College**  
NH-40, Nandyal - 518501, Kurnool (Dist.)

One Week Add On Program  
On  
"IoT Based Embedded System  
Applications in Real Time"



14-19 JAN 2019



Organize by  
Department of Electronics and Communication  
Engineering  
In Association with  
**IE(I), ISTE & IEEE Student chapters of SREC.**



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#### ABOUT THE COLLEGE

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#### ABOUT THE DEPARTMENT

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 120 in B. Tech programme. The department is also offering one PG Programmes VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has close association with industry and academia, resulted in the establishment. The Dept is having fully experienced dedicated and committed faculty as asset.

#### ABOUT THE PROGRAM

This Program will provide a platform for IoT in embedded systems. IoT is system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human to human or human to computer interaction

#### About Raspberry Pi:

Did you really think the raspberry Pi would be getting better? At this point, we sound like a broken record, extolling on the new Pi's improvements. Most excited is the addition of a BCM43143 wi-fi chip BUILT-IN to your Raspberry Pi. No peakier wi-fi adapters this pi is ready. There also Bluetooth Low Energy (BLE) on board making the pi an excellent IoT solution.

#### Topics to be covered

- Introduction to embedded bedded
- Introduction to Internet of Things
- Scope of IoT in different domains
- Practical case studies
- Introduction to Raspberry Pi
- Architecture and pin layout of Raspberry Pi
- Python basic syntaxes
- Hands on with Raspberry Pi
- Hands on LED and Button with Raspberry Pi
- Interfacing air-quality sensor with Raspberry Pi
- Interfacing light/intensity sensor with Raspberry Pi
- Interfacing of DHT sensor with Raspberry Pi
- Data analytics of uploaded data

- Reacts on data analytics
- Innovative idea by the students
- Project exhibition by the students

#### RESOURCE PERSON

Ms. Sowmya.G,

Assistant Professor, Dept. of ECE

Specialization in Embedded systems

#### ELIGIBILITY:

II & III B. Tech ECE students from host institutions can attend. Total number of participants is limited to 60. Therefore, early registration is highly recommended.

Venue: Online

The Department of ECE,  
SREC, Nandyal 518501, AP, India.

**Chief Patron**

**Dr. M. Santhiramudu**

Chairman, RGM Group of Institutions.

**Patrons**

**Mr. M. Siva Ram**

Managing Director, SREC.

**Dr. M. V. Subramanyam**

Principal, SREC.

**Convener**

**Mr. J. David Sukeerthi Kumar**

Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr. M. Amareswara Kumar** Asst. Prof. in CSE

**Technical Advisory Committee**

**Mr. K. Subba Reddy**

Asso. Prof in CSE Dept, SREC, Nandyal.

**Mr. Madhu Sudhan.**

Asso. Prof. and HOD of CSE Dept,

RGM CET, Nandyal.

**Dr V. Ramana**

Assoc Prof KORM

**Organizing Committee**

1. Dr. M. V. Subramanyam Principal & Chairperson
2. Dr. B. Seshiah HBS & IQAC coordinator
3. Mr. M. Y. Veeresh HEEC
4. Dr. Ramesh Raju HME
5. Mr. Y. Mallikarjuna Rao HECE
6. Mr. J. David S Kumar HCSE
7. Dr. A. K. Neeraja Rani HMBA
8. Mr S. Md. Farooq R & D coordinator
9. Mr. Kishore Naidu TPO
10. Mr. Abdul Malik Exam section
11. Mr. Madhu Librarian
12. Mr. Chandra Reddy PD

**SANTHIRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi:

Affiliated to JNT University, Anantapuramu.

An ISO 9001:2015 Certified Institution, 2(f) & 12(B)

Recognition by UGC Act, 1956

NH-40, Nandyal -518501::Kurnool Dist. A.P



Department of CSE

In Association with  
**Computer Society of India**  
Presents



**PYTHON PROGRAMMING AND ITS APPLICATIONS**

**6-8-2018 To 11-8-2018**

Visit us: [www.srecnadyal.com](http://www.srecnadyal.com)

Email: [srecnadyal@gmail.com](mailto:srecnadyal@gmail.com)

National Level Workshop on  
**PYTHON PROGRAMMING AND ITS APPLICATIONS**

**6-8-2018 To 11-8-2018**

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

**Signature of the Participant**

This is to certify that Mr/Mrs \_\_\_\_\_ is the Student of \_\_\_\_\_ our institution.  
He /She permitted to attend workshop.

**Place:**

**Date:**

**Signature of the Sponsoring Authority with seal**

*Principal*

**Santthiram Engineering College**  
NANDYAL



### About the College:

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### Vision

- To provide value based Education in Technical field.
- To become a self sustained University.

### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About the Program

To Learn and explore Python Programming from Fundamentals to Advanced Topics that are helpful for the penultimate year of engineering students especially in Computer Science

### Program Schedule:

**Day1** Inauguration , Motivation, Basics Introduction to Python , Plotting, Saving Scripts , Numpy Arrays

**Day2** IPython Notebooks, Basic Data Types, Control Flow, Core Data Structures

**Day3** Basic Data Types, Control Flow, Core Data Structures, Functions, Files, Modules

**Day4** Functions, Files, Modules, Exceptions, Introduction- Expressions, Statements, Names and objects

**Day5** Functions - arbitrary positional and keyword arguments, Closures, Decorators, Object Oriented Programming: basics

**Day6** Closures, Decorators, Object Oriented P Inheritance, List Comprehension programming: basics, Inheritance, List Comprehension , Basics of Data Analysis

### Instructions to participants

1. The seats are limited and first cum first serve basis is to be followed
2. Snacks will be provided @ College and participants have make their own arrangements for Lodging & Travelling

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### **Resource person**

**Mr S.Md. Farooq Assoc professor,  
SREC NANDYAL**

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-10, Nandyal-518501,  
Kurnool (Dist), AP.

### **Contacts:**

**Mr. J. David Sukeerthi Kumar**  
HOD OF CSE Dept **9701429254**  
**Mr. M. Amereswer Asst. Prof**  
**9949047743**

**Chief Patron**

**Dr. M. Santhiramudu**  
Chairman, RGM Group of Institutions.

**Patrons**

**Mr. M. Siva Ram**  
Managing Director, SREC.  
**Dr. M. V. Subramanyam**  
Principal, SREC.

**Convener**

**Mr. J. David Sukeerthi Kumar**  
Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr. G. Varaprasad** Asst. Prof. in CSE

**Technical Advisory Committee**

**Mr. K. Subba Reddy**  
Asso. Prof in CSE Dept, SREC, Nandyal.  
**Mr. Madhu Sudhan.**  
Asso. Prof. and HOD of CSE Dept,  
RGM CET, Nandyal.  
**Dr. A. Ananda Rao**  
Professor, Dept of CSE, JNTUA

**Organizing Committee**

1. Dr. M. V. Subramanayam Principal  
& Chairperson
2. Dr. B. Seshaiiah HBS & IQAC coordinator  
HEEE
3. Mr. M. Y. Veeresh HME
4. Dr. Ramesh Raju HECCE
5. Mr. Y. Mallikarjuna Rao HCSE
6. Mr. J. David S Kumar HMBA
7. Dr. A. K. Neeraja Rani R & D coordinator  
TPO
8. Mr. S. Md. Farooq  
Exam section
9. Mr. Kishore Naidu Librarian
10. Mr. Abdul Malik  
PD
11. Mr. Madhu
12. Mr. Chandra Reddy

A COURSE ON CYBER SECURITY

25-10-2018 To 30-10-2018

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

**Signature of the Participant**

This is to certify that Mr/Mrs \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.  
He /She permitted to attend workshop.

**Place:**

**Date:**

**Signature of the  
Sponsoring Authority with seal**



**Principal**

**Santhiram Engineering College  
NANDYAL**

**SANTHRAM ENGINEERING COLLEGE**

Approved by AICTE, New Delhi:  
Affiliated to JNT University, Anantapuramu.  
NH-40, Nandyal -518501.:Kurnool Dist. A.P



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A COURSE ON CYBER SECURITY

**25-10-2018 To 30-10-2018**

Visit us: [www.srecnadyal.com](http://www.srecnadyal.com)

Email: [srecnadyal@gmail.com](mailto:srecnadyal@gmail.com)

### About the College:

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### Vision

- To provide value based Education in Technical field.
- To become a self sustained University.

### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.

- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About the Program

To Learn and explore Python Programming from Fundamentals to Advanced Topics that are helpful for the penultimate year of engineering students especially in Computer Science

### Program Schedule:

**Day1** Inauguration ,Introduction , Types of Hacking, Difference between Ethical Hacker/White Hat Hacker (Legal) & Black Hat Hacker (Illegal Hacker)

**Day2** Importance about Information & Cyber Security, Information Gathering & Attacks, What to Share & What not to share on Social Media Accounts ?, Google Hacking

**Day3** What to Share & What not to share on Social Media Accounts ?, Google Hacking, Email Hacking, Windows Hacking & Security (Keyloggers), Trojans

**Day4** Email Hacking, Windows Hacking & Security (Keyloggers), Trojans, Foot printing , Virus & Worms, Cryptography

**Day5** Web Browser Security, How to keep your Smartphone Secure, Identity Theft, How to Secure yourself, Awareness about Online Challenges

**Day6** Identity Theft, How to Secure yourself, Awareness about Online Challenges, Cyber Crimes & how to report them ,Special Queries Session

### Instructions to participants

- 1.The seats are limited to 60 and first cum first serve basis is followed
- 2.Snacks will be provided at the college premises and participants have make their own arrangement for transport & Travelling

**Santhiram Engineering College**  
N A N D Y A L

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource person

Mr M. Amereswara Kumar Asst prof,  
SREC NANDYAL

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-40 Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

Mr.J.David Sukeerthi Kumar  
HOD OF CSE Dept| 9701429254  
Mr .G. Varaprasad Asst.Prof  
9949047743

**Chief Patron**

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Chairman, RGM Group of Institutions.

**Patrons**

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**Dr. M. V. Subramanyam**  
Principal, SREC.

**Convener**

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Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mrs V. Gowthami** Asst.Prof. in CSE

**Technical Advisory Committee**

**Mr. K. Subba Reddy**  
Asso. Prof in CSE Dept, SREC, Nandyal.  
**Mr. Madhu Sudhan.**  
Asso. Prof. and HOD of CSE Dept,  
RGM CET, Nandyal.  
**V. Ramesh**  
Director Steps

**Organizing Committee**

1. Dr. M. V. Subramanyam Principal  
& Chairperson
2. Dr. B. Seshiah HBS & IQAC coordinator  
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8. Mr. S. Md. Farooq TPO
9. Mr. Kishore Naidu Exam section
10. Mr. Abdul Malik Librarian
11. Mr. Madhu PD
12. Mr. Chandra Reddy

**A COURSE ON DATA BASE &  
ADMINISTRATIONS**

**20-4-2019 To 25-04-2019**

**REGISTRATION FORM**

**1. Name of the Participant:**

**2. Name of the Institution:**

**3. Address for Correspondence:**

**4. Contact Number:**

**5. Email Id:**

**Signature of the Participant**

This is to certify that Mr/Mrs \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.

He /She permitted to attend workshop.

**Place:**

**Date:**

**Signature of the  
Sponsoring Authority with seal**

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

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**A COURSE ON DATA BASE &  
ADMINISTRATIONS**

**20-4-2019 To 25-04-2019**

Visit us: [www.sreknadyal.com](http://www.sreknadyal.com)

Email: [sreknadyal@gmail.com](mailto:sreknadyal@gmail.com)

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- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

Education For Peace & Progress

### About the Program

This course provides detailed information on the architecture of an Oracle Database instance and database, enabling the students to effectively manage the database resources.

### Program Schedule:

**Day1** Inauguration , Writing Basic SQL Select Statements , Restricting and Sorting Data,Displaying Data from Multiple Tables , Aggregating Data using Group Functions  
**Day2** Subqueries , Manipulating Data , Creating and Managing Tables,Constraints Describe constraints , Creating Other Database Objects  
**Day3** Constraints Describe constraints , Creating Other Database Objects,Exploring the Oracle Database Architecture , Creating an Oracle Database

**Day4** Exploring the Oracle Database Architecture , Creating an Oracle Database,Managing the Oracle Database Instance, Configuring the Oracle Network  
**Day5** Managing Database Storage Structures , Administering User,Managing Data Concurrency  
**Day6** Managing Data Concurrency, Database Maintenance, Performance Management

### Instructions to participants

- 1.The seats are limited and first cum first serve basis is followed.
- 2.Snacks will be provided at the college premises and participants make their own arrangements for Lodging & Travelling

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource person

Mr.S Md.Riyaz Naik, Asst professor,  
SREC NANDYAL

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-40, Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

Mr.J.David Sukeerthi Kumar  
HOD of CSE Dept) 9701429254  
Mrs V.Gowthami Asst.Prof 9666425026

**Chief Patron**

**Dr.M.Santhiramudu**  
Chairman, RGM Group of Institutions.

**Patrons**

**Mr.M.Siva Ram**  
Managing Director,SREC.  
**Dr.M.V.Subramanyam**  
Principal,SREC.

**Convener**

**Mr.J.David Sukeerthi Kumar**  
Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

**Coordinator**

**Mr D.Sandeep** Asst.Prof. in CSE

**Technical Advisory Committee**

**Dr.K.Subba Reddy**  
Asso. Prof in CSEDept,SREC,,Nandyal.  
**Dr.Madhu Sudhan.**  
Asso. Prof. and HOD of CSEDept,  
RGMCT,Nandyal.  
**Dr K. Nagaraju**  
Professor, VY UNIVERSITY

**Organizing Committee**

1. Dr. M. V. Subramanyam Principal  
& Chairperson
2. Dr. B. Seshiah HBS & IQAC coordinator  
HEEE
3. Mr. M.Y. Veeresh HME
4. Dr. Ramesh Raju HECE
5. Mr. Y. Maalikaarjuna Rao HCSE
6. Mr. J. David S Kumar HMBA
7. Dr. A. K. Neeraja Rani R & D coordinator  
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8. Mr S. Md. Farooq
9. Mr. Kishore Naidu Exam section
10. Mr. Abdul Malik Librarian
11. Mr. Madhu PD
12. Mr. Chandra Reddy

**A COURSE ON SEARCH ENGINE  
OPTIMIZATION**

**3-6-2019 To 8-06-2019**

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

**Signature of the Participant**

This is to certify that Mr/Mrs \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.

He /She permitted to attend workshop.

**Place:**

**Date:**

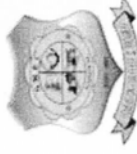
**Signature of the  
Sponsoring Authority with seal**

**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

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Presents

**A COURSE ON SEARCH ENGINE  
OPTIMIZATION**

**3-6-2019 To 8-06-2019**

Visit us: [www.sreanandyal.com](http://www.sreanandyal.com)

Email: [sreanandyal@gmail.com](mailto:sreanandyal@gmail.com)

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- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About the Program

This course provides detailed information on the architecture of an Oracle Database instance and database, enabling the students to effectively manage the database resources.

### Program Schedule:

**Day1** Inauguration ,Internet and Search Engine Basics, Internet Marketing, Importance of Internet Marketing, Types of Internet Marketing Methods

**Day2** Importance of Search Engines, SEO is an Art or Science, How the search engine works?, Understanding the SERP Using Search Operators

**Day3** How the search engine works?, Understanding the SERP Using Search Operators, Google Search Engine Architecture, Search Engine Algorithms

**Day4** Google Search Engine Architecture, Search Engine Algorithms, Google Algorithm Updates

**Day5** Page Rank Technology, Panda Update and its Importance

**Day6** Panda Update and its Importance, Latest Updates about SEO Algorithms, Latest Updates about SEO Algorithms, Google Web Masters Tools

### Instructions to participants

- 1.The seats are limited and first cum first serve basis is followed
- 2.Snacks will be provided at the college premises and participants have make their own arrangements for Lodging & Travelling

**Santhiram Engineering College**  
N A N D Y A L

### About the Department

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### Resource person

**Mr P.Bhasker, Asst professor,**  
**SREC NANDYAL**

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-40 Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

**Mr.J.David Sukeerthi Kumar**  
HOD OF CSE Dept **9701429254**  
**Mr D.Sandeep Asst.Prof**  
**8074863194**

# REGISTRATION FORM

1. Name: -----
2. Branch: .....
3. College: .....
4. Contact Phone No .....
5. Address for Correspondence.....

Phone \_\_\_\_\_ fax \_\_\_\_\_

E-Mail ID \_\_\_\_\_

## Signature of the Participant

Certified that the above information is true to the best of my knowledge and applicant is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convener

Dr. M.V. Subramanyam, Principal

## Co-Convener

Mrs. N.Rama Devi ,  
HoD, Dept. of BS

## Coordinator and Resource Person

Dr. B.Haritha ,  
Asst. Prof of Mathematis

## Organizing Committee

Mrs, G.Gayathri Devi Asst.Professor.  
Mr.S.Chand Basha Asst.Prof

## Student Co-ordinators

D YESHASWINI CSE

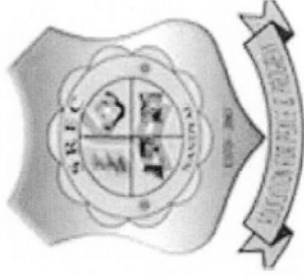
G AJAY CSE

P NAGADIVYA ICE

S RREYASWINI ICE  
**Santhiram Engineering College**  
**N A N D Y A I**

## "COURSE IN ADVANCED METHODS IN DIFFERENTIAL EQUATIONS"

From 20<sup>th</sup> October, 2018 to 25<sup>th</sup>  
October, 2018



## Organized By

Department  
Of  
Basic Sciences

## SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA,  
Ananthapuramu

An ISO 9001:2015 certified institution  
NH-40, NANDYAL-518501, Kurnool Dist.  
Andhra Pradesh



## About the college

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### Vision

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

### Mission

To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

1. To establish postgraduate programs in the current and Advanced Technologies.
2. To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.
3. To propel every individual, realize and act for the technical development of the society.

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory setups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: • Engineering Physics • Engineering Chemistry • Mathematics • English Language and Communication

## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## Topics to be covered:

- Differential Equations Of First Order And First Degree
- Total Differential Equations
- System Of Linear Differential Equations
- Nonlinear equations of first order

*Principal*

**Santhiram Engineering College**

**N A N D Y A L**

## Registration

The Participants can contact Dr.K.Gayathri Devi Assistant Professor of Mathematics for Registration.

## RESOURCE PERSON

Dr. B. Haritha , Asst. Prof of Mathematics

**SANTHIRAM ENGINEERING COLLEGE  
NANDYAL-518501, Kurnool Dist.**

Andhra Pradesh

# REGISTRATION FORM

1. Name: -----
2. Branch: .....
3. College.....
4. Contact Phone No .....
5. Address for Correspondence.....

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone \_\_\_\_\_ fax \_\_\_\_\_  
E-Mail ID \_\_\_\_\_

## Signature of the Participant

Certified that the above information is true to the best of my knowledge and applicant is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co- Convenor

Mrs. N.Rama Devi,  
Coordinator, Dept. of BS

## Coordinator and Resource Person

Mr. S.Md Abdulla, Asst. Prof of English

## Organizing Committee

Mr.A.G.Venkateswarulu, Asst. Prof  
Mr.M.Suresh Babu Asst,Prof

## Student Co-ordinators

K DIVYA EEE

K ASMA EEE

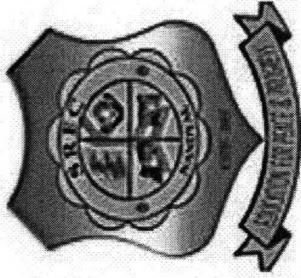
G RAMESH MECH

B LIKHITHA EEE

**Santhiram Engineering College**  
NANDYAL

**"ENGLISH FOR SCIENCE,  
TECHNOLOGY ,ENGINEERING AND  
MATHEMATICS"**

**From 13<sup>th</sup> June, 2019 to 18<sup>th</sup> June,  
2019**



**Organized By**

**Department  
Of**

**Basic Sciences**

**SANTHIRAM ENGINEERING COLLEGE**  
Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA,  
Ananthapuramu  
An ISO 9001:2015 certified institution  
NH-40, NANDYAL-518501, Kurnool Dist.  
Andhra Pradesh

## About the college

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M.Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurnool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram. The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

### Vision

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

### Mission

To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

1. To establish postgraduate programs in the current and Advanced Technologies.
2. To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.

To propel every individual, realize and act for the technical development of the society

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory setups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: • Engineering Physics • Engineering Chemistry • Mathematics • English Language and Communication

## About the Facilities

- Well qualified, dedicated & rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

This course is designed who are interested in improving their English skills in the sciences. In this course, you will explore some of the most innovative areas of scientific study, while

expanding your vocabulary and the language skills needed to share scientific information within your community. In unit 1, you will learn how to preview texts and practice some of the

language used to make comparisons when talking about global warming and climate change. In unit

2, you will examine the chemistry of climate change and the language of cause and effect. In Unit 3, you will learn about some of the impacts of Climate Change and the language used to describe these effects. In Unit 4, you will learn reading strategies that can help you explore the science behind some new energy systems. In the final unit, you will investigate practical advances in Nanotechnology that help slow down climate change, while developing your own research skills in English.

## Registration

The Participants can contact Mr. S.Chand basha Assistant Professor of Mathematics for Registration.

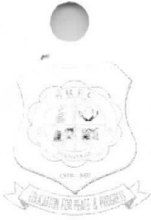
## RESOURCE PERSON

**Mr. Md. Abdulla**

ASSOT.PROF, B.S

**SANTHIRAM ENGINEERING COLLEGE  
NANDYAL-518501, Kurnool Dist.**

**Andhra Pradesh**



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### Dept of MASTER OF BUSSINESS ADMINISTRATION

Add-on Program on Tally for auditing financial statement



#### *Speaker Profile*

Name : **Mr. N RAJSEKHAR**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9849925835

E-Mail: [raju.mba@sreenandyal.edu.in](mailto:raju.mba@sreenandyal.edu.in)

Qualification : M.com,MBA

Experience : 12 Years

Areas of Interest: Finance & Accounting

#### **Brief Profile:**

He is a M.Com Graduate from Osmania University, done his MBA from JNTU Anantapur affiliated college-Nandyal. He is having more than 12 years of vast teaching experience in PG level and Published more than 10 International/National publication in the reputed Journals. He is an expertise in teaching the subjects of Accounts, Finance and General Management.

  
Principal  
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### DEPARTMENT OF MBA

SREC/MBA/SP/2018-03

Dt 07/08/2018

### CIRCULAR

The Dept of MBA is organizing an **ADD-ON PROGRAM on Tally for Auditing Financial Statements** for the students of II year MBA from **06.08.2018 to 10.08.2018**. **Mr. Rajasekhar**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.


All the interested Students are advised to register their names to the program coordinator **Mr. MK Vishwanath**, Asst. Prof, Dept of MBA on or before **04.08.2018**.

  
**Program Coordinator**


  
**HOD-MBA**


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1. The Principal
2. All HODs
3. Department Notice Board

  
**Principal**  
**Santhiram Engineering College**  
**NANDYAL**

<b>Name of the Course:</b> Add-on Program on Tally for Auditing Financial Statements		
<b>Course Code:</b> MBA-01-2018-2019	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
<b>Objective:</b>		
<ul style="list-style-type: none"> <li>• The Students Get aware of the emerging challenges in ERP Tally .</li> <li>• This course Provide brief Knowledge about how to be solve Financial Accounting System in this ERP Version.</li> </ul>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>• This course helps students to work with well-known accounting software i.e. Tally ERP.9</li> <li>• Student will learn to create company, enter accounting voucher entries including advance voucher entries, do reconcile bank statement, do accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to Basics of Accounting.	02
02	Fundamental Of Tally	03
03	Accounting Master In Tally	04
04	Inventory In Tally	02
05	Voucher entry In Tally	04
06	Advanced Accounting In Tally	04
07	Value Added Tax and Central Sale Tax.	04
08	Service Tax,& Tax Deduction	02
09	Exercise for Dealer and Manufacture	02
10	Payroll Accounting and compliance	03
<b>Total Lecture Hrs.</b>		<b>30</b>

  
HOD-MBA

  
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### Dept of MASTER OF BUSSINESS ADMINISTRATION

Add-on Program on OLINE TRADING



#### *Speaker Profile*

Name : **MrK.Rajendra Prasad**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9908068402

E-Mail: [prasad.mba@srecnandyal.edu.in](mailto:prasad.mba@srecnandyal.edu.in)

Qualification : MBA

Experience : 12 Years

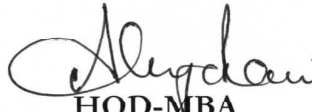
Areas of Interest: Finance & Accounting


#### **Brief Profile:**

K Rajendra Prasad Working as Assistant Professor in the Department of MBA SREC, He Completed B.Com., from SK Unitersty in the year 2004, MBA(Finance & Marketing) from SK University in the year 2006, and pursuing Ph.D in Yogi Vemana University . He has 12 years of vast experience in teaching field in different colleges, like RGM College of Engineering & Technology during the year 2006-2009 and Kottam College. He is expertise in Finance subjects.

  
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<b>Name of the Course: Add-on Program on OLINE TRADING</b>		
<b>Course Code:</b> MBA-02-2018-2019	<b>Programs Eligible: MBA</b>	<b>Total Hours: 30</b>
<b>Objective:</b>		
<ul style="list-style-type: none"> <li>• The Students Get aware of the Fundamental and Technical analyzing.</li> <li>• This course Provide brief Knowledge about how to be Trade the market and investment in stock market</li> </ul>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>• Students will be aware of the importance of sticking to the daily trade routine, trade plan and making sure trade execution is flawless.</li> <li>• Students will develop and be committed to responsible fund management thinking and approaches, which are underpinned by ethical professional practice.</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to financial system in India.	02
02	Introduction to Investment	03
03	Introduction to Trading	04
04	What Is BOLT and NOLT	02
05	Online Trading Vs Offline Trading	04
06	Introduction To Demat Account	04
07	Market Timings	04
08	Fundamental analysis and Technical analysis	02
09	Introduction to India Stock Market, BSE and NSE	02
10	Live session of Trading	03
<b>Total Lecture Hrs.</b>		<b>30</b>

  
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### Dept of MASTER OF BUSSINESS ADMINISTRATION

Add-on Program on Mastering Data Analysis on Excel

#### *Speaker Profile*

Name : **Dr SMahaboobbasha**

Designation : Professor

Department : MBA

Contact No. : 9701673172

E-Mail: [mbasha.mba@srecnandyal.edu.in](mailto:mbasha.mba@srecnandyal.edu.in)

Qualification : MBA,

Experience : 12 Years

Areas of Interest: Finance and system

#### **Brief Profile**

He is a MBA Graduate from Osmania University, done his B.Com from SKU Anantapur affiliated college, Kurnool. He done his PhD from Bundelkhand University. He is having more than 12 years of vast teaching experience in PG level and Published more than 10 International/National publication in the reputed Journals. He is an expertise in teaching the subjects of Accounts, Finance and General Management.

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### DEPARTMENT OF MBA

**SREC/MBA/SP/2018-09**

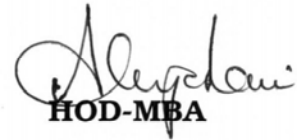
**Dt: 09/10/2018**

### **CIRCULAR**

The Dept of MBA is organizing an **ADD-ON PROGRAM** on **Mastering Data analysis on Excel** for the students of I year MBA from **15/10/2018 Onwards**. **Mr Dr S Mahaboob Basha**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.

All the interested Students are advised to register their names to the program coordinator **Mr. K Rajendra Prasad**, Asst. Prof, Dept of MBA on or before **13.10.2018**.

**Program Coordinator**

  
**HOD-MBA**

**Copy to:-**

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3. Department Notice Board

  
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<b>Name of the Course:</b> Add-on Program on Mastering Data Analysis on Excel		
<b>Course Code:</b> MBA-03-2018-2019	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
<b>Objective:</b> To achieve your business mission and goals on the web, you need specific digital marketing objectives that guide your online promotional activities.		
<b>Outcome:</b> This course is concentrated on the most important tools for performing data analysis on the job. In this course you'll play the role of data analyst at a delivery company and you'll be working with real-life data sets. You don't need to spend weeks and months to learn Excel		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to Mastering Data Analysis Excel	02
02	Data Cleaning and Preparing Tool	03
03	Pivot Table For Data analysis	04
04	Scenario and Sensitivity Analysis	03
05	Functions and Merging Tools	04
06	Formatted and Interactive Table	04
07	Charts and Visualizing Techniques	04
08	Data analysis for Toolpak for statistic	03
09	Case study	03
<b>Total Lecture Hrs.</b>		<b>30</b>

*Aligahar*  
HOD-MBA

*Principal*  
Santhiram Engineering College  
NANDYAL

## Talentio



### Trainer Details:

Trainer Name : Mr. sathish polishetty  
Qualification : B.Tech(CSE)  
Experience : Software professional with 10 yrs experience in java and he is software professional at wells Fargo hyderabad



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**OFFICE OF THE Training & Placement cell**

SREC/TPO/CIR-162/18

Date: 17-10-2018

**CIRCULAR**

All the students of .IV-I B.Tech (ECE&CSE) Students are hereby informed that there will One Week Certification Programme On JAVA J2EE commenced from on **22-10-2018 To 28-10-2018** By **TALENTIO** .

The interested Students are advised to contact **Mr. S. Rambabu**, Asst. Prof. / ECE , **Mr. VARAPRASAD**, Asst. Prof. / CSE to register for this program on or before **19.10.2018**. The Students registered for this program on or before the last date of registration alone eligible to attend this program.

Copy to

1. Principal sir,
2. A. O. Office
3. All HODs (ECE&CSE)
4. Notice Board
5. Circulaion

Placement Officer  
(Kishore Naidu)

  
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

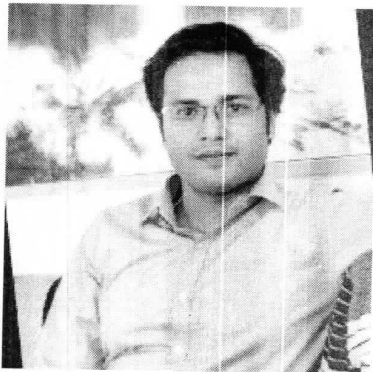
One Week Certification Programme On JAVA J2EE  
By TALENTIO HYDERABAD  
Program Schedule: 22-10-2018 To 28-10-2018

SNO	DATE	TIMINGS	TOPICS COVERED
1	22-10-2018	9.30 AM	Introduction EJB Training Course Content Overview
		10:50 AM	
		BREAK	TEA BREAK
		11.10AM	RMI-Remote Method Ivocation
		01.10PM	Java Distributed Technology
		BREAK	LUNCH BREAK
		2.30 PM	RMI Architecture
2	23-10-2018	4.50PM	Dynamic / Bootstrap Clients
		9.30 AM	Object Passing in RMI, DGC
		10:50 AM	
		BREAK	TEA BREAK
		11.10AM	Activation
		01.10PM	RMI -IIOP
		BREAK	LUNCH BREAK
2.30 PM TO 4.50PM	J2EE Introduction J2EE Architecture, Comparison between J2EE&.NET, J2EE Application development roles.		
3	24-10-2018	9.30 AM	EJB – Enterprise Java Beans
		10:50 AM	
		BREAK	TEA BREAK
		11.10AM TO	Introduction(EJB, CORBA, COM/DCOM
		01.10PM	Comparison between different Distributed tech
		BREAK	LUNCH BREAK
		2.30 PM TO 4.50PM	EJB Architecture
4	25-10-2018	9.30 AM	Stateless Session Bean
		10:50 AM	
		BREAK	TEA BREAK
		11.10AM TO	Statefull Session Bean
		01.10PM	Bean Managed Entity Bean (Container Managed Entity Bean, Bean Managed Security)
		BREAK	LUNCH BREAK
		2.30 PM TO 4.50PM	Container Managed Security
4.50PM	Bean Managed Transactions		

  
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# Talentio<sup>#</sup>

## TRAINER PROFILE



### Trainer Details:

Trainer Name : Mr. Srinivas  
Qualification : B.Tech(CSE)  
Experience : Software professional with 8 yrs experience in Data structures/C/C++/SQL/PL SQL/ORACLE

  
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**DEPARTMENT OF TRAINING & PLACEMENT CELL**

**One Week Certification Programme On PYTHON  
By TALENTIO HYDERABAD 18-03-2019 to 24-03-2019**

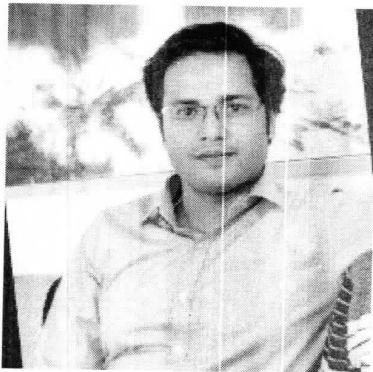
DATE	HOUR	TOPICS COVERED
18-03-2019	10.00AM TO 11:10AM	<b>Python Course Content</b>
		<b>Core Python</b>
		<b>Introduction to Languages</b>
	11:10AM TO 11:30AM	<b>TEA BREAK</b>
	11:30 AM TO 1:10PM	What is Language? Types of languages Introduction to Translators
	1:10PM TO 2:20PM	<b>LUNCH BREAK</b>
	2:20 PM TO 5:00PM	Compiler Interpreter What is Scripting Language?
19-03-2019	10.00AM TO 11:10AM	Types of Script Programming Languages v/s Scripting Languages Difference between Scripting and Programming languages
	11:10AM TO 11:30AM	<b>TEA BREAK</b>
	11:30 AM TO 1:10PM	What is programming paradigm? Procedural programming paradigm
	1:10PM TO 2:20PM	<b>LUNCH BREAK</b>
	2:20 PM TO 5:00PM	Object Oriented Programming paradigm <b>Introduction to Python</b> What is Python? WHY PYTHON?
20-03-2019	10.00AM TO 11:10AM	History Features – Dynamic, Interpreted, Object oriented, Embeddable, Extensible, I standard libraries, Free and Open source Why Python is General Language? Limitations of Python
	11:10AM TO 11:30AM	<b>TEA BREAK</b>
	11:30 AM TO 1:10PM	What is PSF? Python implementations
	1:10PM TO 2:20PM	<b>LUNCH BREAK</b>

**Santhiram Engineering College  
NANDYAL**




# Talentio<sup>#</sup>

## TRAINER PROFILE



### Trainer Details:

Trainer Name : Mr. Srinivas  
Qualification : B.Tech(CSE)  
Experience : Software professional with 8 yrs experience in Data structures/C/C++/SQL/PL SQL/ORACLE

  
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**DEPARTMENT OF TRAINING & PLACEMENT CELL****One Week Certification Programme On PYTHON  
By TALENTIO HYDERABAD 18-03-2019 to 24-03-2019**

DATE	HOUR	TOPICS COVERED	
18-03-2019	10.00AM TO 11:10AM	<b>Python Course Content</b> <b>Core Python</b> <b>Introduction to Languages</b>	
	11:10AM TO 11:30AM	<b>TEA BREAK</b>	
	11:30 AM TO 1:10PM	What is Language? Types of languages Introduction to Translators	
	1:10PM TO 2:20PM	<b>LUNCH BREAK</b>	
	2:20 PM TO 5:00PM	Compiler Interpreter What is Scripting Language?	
	19-03-2019	10.00AM TO 11:10AM	Types of Script Programming Languages v/s Scripting Languages Difference between Scripting and Programming languages
		11:10AM TO 11:30AM	<b>TEA BREAK</b>
11:30 AM TO 1:10PM		What is programming paradigm? Procedural programming paradigm	
1:10PM TO 2:20PM		<b>LUNCH BREAK</b>	
2:20 PM TO 5:00PM		Object Oriented Programming paradigm <b>Introduction to Python</b> What is Python? WHY PYTHON?	
20-03-2019	10.00AM TO 11:10AM	History Features – Dynamic, Interpreted, Object oriented, Embeddable, Extensible, Large standard libraries, Free and Open source Why Python is General Language? Limitations of Python	
	11:10AM TO 11:30AM	<b>TEA BREAK</b>	
	11:30 AM TO 1:10PM	What is PSF? Python implementations	
	1:10PM TO 2:20PM	<b>LUNCH BREAK</b>	

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### DEPARTMENT OF TRAINING & PLACEMENT CELL

21-03-2019	2:20 PM TO 5:00PM	Python applications
		Python versions
		PYTHON IN REALTIME INDUSTRY
	10:00AM TO 11:10AM	Difference between Python 2.x and 3.x
		Difference between Python 3.7 and 3.8
		Software Development Architectures
	11:10AM TO 11:30AM	TEA BREAK
		<b>Python Software's</b>
		Python Distributions
	1:10PM TO 2:20PM	LUNH BREAK
Download & Python Installation Process in Windows, Unix, Linux and Mac		
Online Python IDLE		
2:20 PM TO 5:00PM	Python Real-time IDEs like Spyder, Jupyter Note Book, PyCharm, Rodeo, Visual Studio Code, ATOM, PyDevetc	
	<b>Python Language Fundamentals</b>	
	Python Implementation Alternatives/Flavors	
22-03-2019	10:00AM TO 11:10AM	Keywords
		Identifiers
		TEA BREAK
	11:10AM TO 11:30AM	Constants / Literals
		Data types
		Python VS JAVA
	1:10PM TO 2:20PM	LUNCH BREAK
		Python Syntax
		<b>Different Modes of Python</b>
	2:20 PM TO 5:00PM	Interactive Mode
Scripting Mode		
Programming Elements		
23-03-2019	10:00AM TO 11:10AM	Structure of Python program
		First Python Application
		Comments in Python
	11:10AM TO 11:30AM	
	11:30 AM TO 1:10PM	

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### DEPARTMENT OF TRAINING & PLACEMENT CELL

	1:10PM TO 2:20PM	LUNCH BREAK
	2:20 PM TO 5:00PM	Python file extensions
		Setting Path in Windows
		Edit and Run python program without IDE
		Edit and Run python program using IDEs
24-03-2019	10:00 AM TO 12:30PM	INSIDE PYTHON
		Programmers View of Interpreter
	1:00 PM TO 2:20 PM	LUNCH BREAK
	2:20 PM TO 4:20 PM	Inside INTERPRETER
		What is Byte Code in PYTHON? Python Debugger, VALEDICTORY

Program coordinator

TPO

  
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Recognition of the college under 2 (f) & 12 (B) of the UGC ACT, 1956

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## Department of Electrical & Electronics Engineering

<b>Name of the Course:</b> Basics of PLC		
<b>Course Code:</b> EEE-2019-20-CP01	<b>Programs Eligible:</b> B.Tech (EEE)	<b>Total Hours:</b> 42
<b>Objective:</b> The objective of this program is to make the students learn about PLC software, logic Gates, timers, counters, ladder design, Designing of control circuits for various industrial applications.		
<b>Outcome:</b> The students can able to: Understand the Basics of logic gates, logic design, PLC controller, Ladder designing, controller designing.		
Unit	Topics Covered	Lect. No
01	Introduction about PLC, working of logic gates, timers and counters, APSSDC registration and explanation on NO/NC contacts, Problems on logic gates and practice session.	07
02	Tasks on logic gates and NO/NC contacts, implementation of problems on PLC software, representation of set & Reset and conducted exam-1.	07
03	Explanation of Timers, Implementation of Timers on PLC software, Individual task to group members and in afternoon session conducted exam-2.	07
04	Explanation about Blocks and counters in detail. Practice session on Blocks and Counters and in afternoon session conducted exam-3.	07
05	Explanation about Comparators and Math operations. Tasks on Comparators & Math operations and conducted exam-4.	07
06	Introduction to Analog functions, offline exam and conducted batch wise task.	07
<b>Total Lecture Hrs.</b>		<b>42</b>

44  
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## ABOUT THE INSTITUTION

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross road on NH-40 with a motto of **“Education for Peace & Progress”**.

### VISION

- To provide value based Education in Technical field.
- To become a Self-Sustained University.

### MISSION

- To establish Postgraduate Programs in Advanced Technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE, CSI & IEEE etc.

## ABOUT THE EEE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The department is having well experienced & highly skilled faculty.

### DEPARTMENT ACHIEVEMENTS:

- Bang the UNIVERSITY GOLD MEDAL in 2015.
- Received THREE PRATHIBHA AWARDS from Government of Andhra Pradesh.
- TWO AWARDS in the year 2015 and ONE AWARD in the year 2017.
- Stood Two Times College Topper in the year of 2013 and 2015..
- 17 students secured All India GATE Ranks and 11 Students achieved below 10,000 All India Rank..
- 9 students participated in National Level Sports/Games event, representing JNTUA

**Mission: “To provide value based education in Electrical Engineering field”**  
Santhiram Engineering College  
NANDYAL

## A ONE WEEK ONLINE ADD-ON PROGRAMME

Or

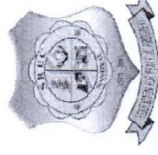
### MODELLING & SIMULATION OF ELECTRIC VEHICLES, ELECTRIC CIRCUITS, POWER CONVERTER USING MATLAB/SIMULINK

(26-05-2020 to 31-05-2020)

Organized By

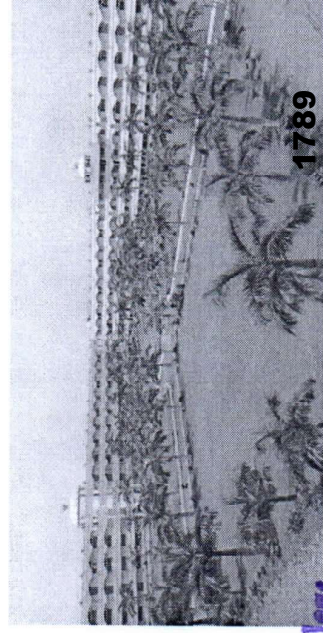
Department of

Electrical & Electronics Engineering



## SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi; Permanently Affiliated to JNTUA, Ananthapuramu  
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2(f) & 12(B) Recognition by UGC Act, 1956  
NH-40, Nandyal-518501; Kurnool Dist., A.P.



1789

## RESOURCE PERSON



**Dr. S. NAGARAJA RAO**  
Assistant Professor  
Dept. of EEE, Ramaiah  
University of Applied  
Sciences, Bangalore



**Mr. K. RajaSekhara Reddy**  
Assistant Professor  
Dept. of EEE, SREC

## TOPICS TO BE COVERED

**Day-1**

**Hybrid Electric Vehicles**

**Day-2:**

**Introduction to MATLAB/SIMULINK**

**Day-3:**

**Electric Circuit Analysis using**

**MATLAB/SIMULINK**

**Day-4:**

**Analysis of Basic Power Converters and**

**It's Applications.**

**Day-5:**

**Power Converters simulation using**

**MATLAB/SIMULINK.**

**Day-6:**

**Webench Design**

## CHIEF PATRON

**Dr. M. SANTHIRAMUDU,**

Chairman

## PATRON

**Er. M.SIVARAM,**

Managing Director

## CONVENER

**Dr. M.V.SUBRAMANYAM,**

Principal, SREC

## CO-CONVENER

**Mr. M. Y. VEERESH,** HOD-EEE

## COORDINATOR

**Mr.K. RAJASEKHARA REDDY,**

Asst. Professor

## CO-COORDINATOR

**Mr. S. SEETHARAMUDU,** Asst. Professor

## ORGANIZING COMMITTEE

**Mr. SEETHA CHAITHANYA,** Asst. Professor

**Mr.M.SIVA SANKAR,**

Asst. Professor

**Mr.U.M.SANDEEP KUMAR,**

Asst. Professor

**Mr. A. RAGHAVENDRA PRASAD,**

Asst. Professor

**Mr. V. RAMANJENEYULU,**

Asst. Professor

**Mr. N.V.S.PRASAD**

Asst. Professor

**Ms. R.SUJATHA,**

Asst. Professor

## ELIGIBILITY

**B.Tech - II, III & IV Electrical & Electronics Engineering pursuing Students**

## NOTE:

- Programme Dates- 26<sup>th</sup> - 31<sup>st</sup> **MAY 20.**
- Last date for registration - 25/05/20.
- No registration fee
- E-Certificate will be provided to active participants.

## ADDRESS FOR COMMUNICATION:

**Mr. K.Rajasekhara Reddy**

Co-Ordinator

Dept. of EEE,

Santhiram Engineering College

Ph. 9951000912

Email.

rajasekhar.eee@srecnandyal.edu.in

## Registration Link:

**<https://forms.gle/sdDs5Em9gg5LflUC6>**

*Principal*  
Santhiram Engineering College  
NANDYAL

1790

## ABOUT THE INSTITUTION

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### VISION

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- To become a Self-Sustained University.

### MISSION

- To establish Postgraduate Programs in Advanced Technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE, CSI & IEEE etc.

## ABOUT THE EEE DEPARTMENT

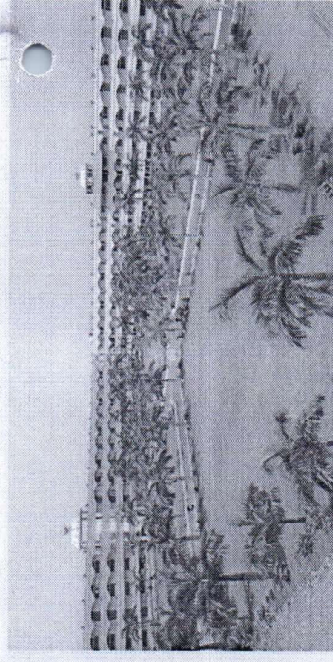
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- TWO AWARDS in the year 2015 and ONE AWARD in the year 2017.
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- 17 students secured All India GATE Ranks and 11 Students achieved below 10,000 All India Rank..
- 9 students participated in National Level Sports/Games event, representing JNTUA

*Santhiram Engineering College*

**Mission: “To provide value based education in Electrical Engineering field”.**



## A ONE WEEK ONLINE CERTIFICATE PROGRAMME

On

## GENETIC ALGORITHMS IN POWER SYSTEM APPLICATIONS

(08-06-2020 to 13-06-2020)

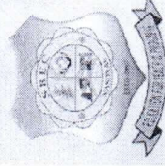
Organized By

Department of

Electrical & Electronics Engineering

In collaboration with

VENTRICKS INDIA  
PVT. LTD., Guntur



## SANTHIRAM ENGINEERING COLLEGE

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NH-40, Nandyal-518501; Kurnool Dist., A.P.



**RESOURCE PERSON**



**Mr. S. KRISHNARAJUNA RAO**  
Head - R&D  
VENTRICKS INDIA Pvt. Ltd., GUNTUR

**TOPICS TO BE COVERED**

- Day-1: Introduction, Need and Applications of Genetic Algorithms.
- Day-2: Step by Step Procedure to apply genetic algorithm.
- Day-3: Genetic Algorithm to find maxima of a function.
- Day-4: MATLAB/SIMULINK Implementation of the Above Application.
- Day-5: GA approach to solve Economic Dispatch Problem.
- Day-6: Multi Objective Optimization of Genetic Algorithm.

**ELIGIBILITY**

B.Tech - II, III & IV Electrical & Electronics Engineering pursuing Students

**CHIEF PATRON**

**Dr. M. SANTHIRAMUDU,**  
Chairman

**PATRON**

**Dr. M. SIVARAM,**  
Managing Director

**CONVENER**

**Dr. M. V. SUBRAMANYAM,**  
Principal, SREC

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Asst. Professor

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Asst. Professor

**Mr. V. RAMANJENEYULU,**  
Asst. Professor

**Mr. N. V. S. PRASAD**  
Asst. Professor

**Ms. R. SUJATHA,** Asst. Professor  
*Principal*  
**SRECNANDYAL**  
Sreechandra Engineering College

**NOTE:**

- Programme Dates- 8<sup>th</sup> - 13<sup>th</sup> Jun 20.
- Last date for registration - 07/06/20.
- No registration fee
- E-Certificate will be provided to active participants.

**ADDRESS FOR COMMUNICATION:**

**Mr. Seetha Chaitanya**

Co-Ordinator  
Dept. of EEE,  
Santhiram Engineering College  
Ph. 9985076184  
Email.

seethachaithu.ee@srecnandyal.edu.in

**Registration Link:**

<https://forms.gle/jL9SDk14ubLQhKs49>



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Course: <b>ESSENTIALS of NX CAD</b>		
Course Code: ME-02- 2019-2020	Programs Eligible: B.Tech (ME)	Total Hours: 30hrs
<b>Objective:</b> To Learn the essential of NX workflows necessary for creating and editing parametric models.		
<b>Outcome:</b> Students can learn how to create sketches to capture design intent, how to model a part efficiently, as well as assemble parts into product assemblies and produce drawings.		
Unit	Topics Covered	Lect. No
01	Introduction to NX part files	02
02	Work with NX part files and NX template files	03
03	Understand how to effectively use the NX user interface and work space	04
04	Create sketches to capture design intent	04
05	Create reference geometry for model development such as datum planes, axes, and coordinate systems	04
06	Create basic features by sweeping and extruding geometry	02
07	Analyze feature geometry	02
08	Add detail to features such as blends and drafts	02
09	Produce assemblies of component parts	04
10	Produce annotated 2D & 3d drawings of models	03
Total Lecture Hrs.		30

*D. Srinivas*  
HoD

*[Signature]*  
Santhiram Engineering College  
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### Department of Mechanical Engineering

Ref. No. SREC/ ME /CIR/ 2019-20/No.02

Dt: 10/07/2019

#### CIRCULAR

**Program on ESSENTIALS OF NX DESIGNERS** has been arranged for all the III Year B.Tech, Mechanical Engineering Students from 15/07/2019 to 21/07/2019. The program is offered by **SIEMENS CENTRE OF EXCELLENCE, JNTUA** and **Mr. M. Chitra Madhusudhan Gowd, Junior trainer** is acting as resource person for this program. The interested Students are advised to contact Program incharge **Mr. P. HARISH KUMAR, Asst. Prof. / ME** to register for this program on or before **12.07.2019**. The Students registered for this program alone eligible to attend this program.

*Damini*  
HoD

Copy to:-

1. Principal Sir
2. All HoDs
3. Department Notice Board

*Principal*  
Santhiram Engineering College  
NANDYAL



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## Department of Mechanical Engineering

### Program on “ESSENTIALS OF NX DESIGNERS”

From (15/07/2019-21/07/2019)

#### PROGRAM SCHEDULE

##### DAY 1: 15/07/2019- Monday

S.NO	TIME	TOPICS COVERED
1	9:30AM- 1:00PM	Online Registration form fillage by the students
2.	1:00PM- 2:00PM	Lunch Break
3.	2.00 -3.30 PM	Introduction to the NX CAD  Getting started with NX and NX Interface
4	3.30 -3.40 PM	Tea Break
5	3.40-6.00 PM	Trainer given PDF Essentials of NX CAD to the all students, for study Purpose.

##### DAY 2: 16/07/2019- Tuesday

S.NO.	TIME	TOPICS COVERED
1.	9.30AM - 11.00 PM	Coordinate systems  Creating Sketches  Constraining sketches
2.	11.00AM - 11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced oncoordinate systems and sketches and its constraints.
4.	1.00- 2.00 PM	Lunch break
5.	2.00-3.45 PM	Practice on Constraining sketches
6.	3.45- 4.00 PM	Tea Break



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## Department of Mechanical Engineering

7.	4.00 – 6.00 PM	Practice on Editing of sketches and manipulating of sketches and sweeping geometry
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### DAY 3: 17/07/2019 - Wednesday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Geometry Relationship Trimming a Solid Body Blending and chamfering edges
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practiced onabove Geometry Relationship, Trimming a Solid Body, Blending and chamfering edges
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Creating and Editing Holes Copying and Mirroring part segments
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practiced onCreating and Editing Holes, Copying and Mirroring part segments

### Day 4: 18/07/2019 - Thursday

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 AM	Creating and Editing Shell features Examine the structure Modifying Geometry of imported parts
2.	11.00 -11.15 AM	Tea Break



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### Department of Mechanical Engineering

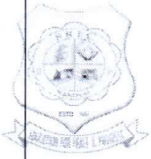
3.	11.15- 1.00 PM	Practiced on Creating and Editing Shell features, Examine the structure and Modifying Geometry of imported parts
4.	1.50- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Introduction of Assembly Loading and Working with assembly Adding and positioning parts in an assembly
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	Practiced on Loading and Working with assembly, Adding and positioning parts in an assembly

**DAY 5: 19/07/2019 – Friday** -Holiday - In the Siemens laboratories conducted KIA online examinations that's the reason they given holiday

**DAY 6: 20/07/2019-Saturday** - Holiday - In the Siemens laboratories conducted JNTUA college online examinations that's the reason they given holiday

**DAY 7: 21/07/2019 – Sunday**

S.NO.	TIME	TOPICS COVERED
1.	9.30 - 11.00 PM	Creating Simple Drafting figures Revision overall course contents
2.	11.00 -11.15 PM	Tea Break
3.	11.15- 1.00 PM	Practice on creating drafting figures and practiced for assessment.
4.	1.00- 2.00 PM	Lunch break
5.	2.00- 3.45 PM	Assessment----
6.	3.45- 4.00 PM	Tea Break
7.	4.00 – 6.00 PM	End Exam



## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF MECHANICAL ENGINEERING

Program on ESSENTIALS of NX DESIGNERS

Dt: 15/07/2019

#### Speaker Profile



Name : M.Chitra Madhusudhan Gowd

Designation : Junior Trainer

Department : **SIEMENS CENTRE OF EXCELLENCE**  
(Design tech Technology for designing the future)

Contact No. : 9686248240

E-Mail: [Madhusudhan.gowd@designtechsys.com](mailto:Madhusudhan.gowd@designtechsys.com)

Qualification : M.Tech

Experience : 1.5 Years

Areas of Interest: CAD/CAE

#### Proficiency of the Resource Person:

Working as Junior Trainer in **SIEMENS CENTRE OF EXCELLENCE** "Design Tech Systems from Jan 2018 right now.

- Studied M.Tech. in Product Design at Jawaharlal Nehru Technological University, Anantapur
- Studied Mechanical engineering at Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal.

Principal  
Santhiram Engineering College  
NANDYAL

### REGISTRATION FORM

Program on  
CNC Part Programming by APSSDC  
From 23<sup>rd</sup> JUL, 2019 to 29<sup>th</sup> JUL, 2019

1. Name
2. Designation/ Year
3. Dept./ Branch
4. College
5. Address for Correspondence
6. Contact Phone Nos.
7. E-mail ID

#### Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

#### CERTIFICATE

This is to certify that, the above member(s) is/ are bonofide student(s) of our Institution and the information given above is correct.  
Place:

Date:

Signature of  
Head of Institution / Department  
With seal

\*Photocopies of this form can be used

### ORGANIZING COMMITTEE

#### Chief Patron:

Dr. M. Santhiramudu, Chairman, SREC

#### Patron:

Er. M. Sivaram, Managing Director, SREC

#### Convener:

Dr. M. V. Subramanyam, Principal, SREC

#### Co conveners:

Dr. Ramesh Raju, HoD, Professor, Dept. of ME, SREC

Mr. P.Moulali, Asst. Prof, Dept of ME, SREC

#### Coordinator

Mr. P. NAGARAJU, Asst. Prof. / ME

#### Technical Committee:

Mr. M.Ravichandra Asst. Prof.

Mr.P.Nagaraju, Asst. Prof.

Mr. S Kwaja Moinuddin. Asst.

Mr. K. L. Srinivasulu Asst. Prof.

#### Student Coordinators:

Mr.A.PAVAN KALAYAN -II ME

Mr. P NAGAVAMSHI KRISHNA-II ME

The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.

Completed registration form should be sent to us through E-mail:hod.mech@srecnandyal.edu.in on or before, 19<sup>th</sup> July 2019.

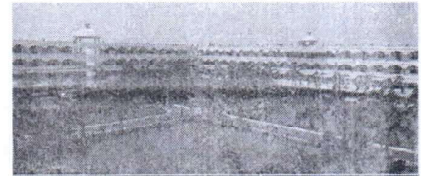
#### Address for correspondence:

The Convener,  
Santhiram Engineering College  
NH-40, Nandyal - 518501, Kurnool(Dist.)

### Program on CNC Part programming by APSSDC



From 23<sup>rd</sup> JUL, 2019 to 29<sup>th</sup> JUL, 2019



Organized by

Department of Mechanical Engineering


And in  
Association with



EWB Student Chapter, SREC

SANTHIRAM ENGINEERING COLLEGE

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Principal  
Santhiram Engineering College  
NANDYAL



### ABOUT THE COLLEGE

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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 THE DEPARTMENT

The Department of Mechanical Engineering is started with a vision to establish a global knowledge centre in the field of mechanical engineering where the best of scientific and technical education, research and industry outreach the synergizing culminations.

The Department of Mechanical Engineering (ME) is offering a UG Program in B.Tech from the year 2011 with an intake of 60 students and it was increased to 120 in 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. The Department's strength is constantly upgrading infrastructure & Laboratory facilities. The department has well qualified, dedicated and experienced faculty. A conducive environment exists in the Department for both students and staff. Quality technical education is provided to the students in the core areas of the field to meet the challenges of globalization. The Department also associated with Engineers Without Borders-India (EWB-India) a students' Chapter

### ABOUT THE PROGRAM

The intention of this session is to introduce the concepts of introduction to Basics Commands Interface Of Importance of CNC and Types of CNC. Writing of Programming by using Cartesian Coordinates Importance of G-codes & M-Codes. CNC Part Programming Procedure & Applications with codes. Writing Part Program on CNC turning operations, Threading and Milling Operations. Hands on Practice on Turning, Threading, Milling and Final Exam. Analyze Some Sample Parts of Automotive geometry. The basic design principles, challenges and applications will be briefed which can help students to choose their career accordingly. This session is to help the students appreciate the importance of basics that are taught as part of the curriculum. Focus will be on connection of basics with real life applications.

### RESOURCE PERSONS

Mr. S.Mehamood Basha from APSSDC-Vijayawada

### ELIGIBILITY

Faculties, Research scholars and Engineering Students from AICTE affiliated institutions can attend. Total number of participants are limited. Therefore, early registration is highly recommended.

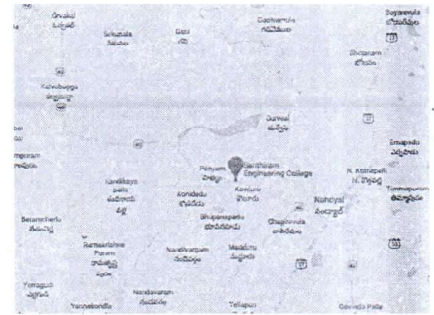
### Travel Allowance & Accommodation

The Reimbursement of Travel expenses & TA will not be provided to any participants. Accommodation will be provided on limited basis on prior request for outstation participants. The participants can avail the SREC bus facility to attend this expert lecture.

For route details, please refer <http://www.srecnandyal.edu.in>

### Venue

The Auditorium Block,  
Department of ME, SREC, Nandyal 518501, AP, India



*Principal*  
Santhiram Engineering College  
NANDYAL

### REGISTRATION FORM

#### Add on Program on AUTOMOTIVE PART MODELING USING CATIA

From 16<sup>th</sup> OCT, 2019 to 21<sup>st</sup> Oct, 2019

1. Name :
- Designation/ Year :
- Dept./ Branch :
4. College :
5. Address for Correspondence :
6. Contact Phone Nos. :
7. E-mail ID :

#### Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

#### CERTIFICATE

This is to certify that, the above member(s) is/ are bonofide student(s) of our Institution and the information given above is correct.  
Place:

Signature of  
Head of Institution / Department  
With seal

\*Photocopies of this form can be used

### ORGANIZING COMMITTEE

#### Chief Patron:

Dr. M. Santhiramudu, Chairman, SREC

#### Patron:

Er. M. Sivaram, Managing Director, SREC

#### Convener:

Dr. M. V. Subramanyam, Principal, SREC

#### Co conveners:

Dr. Ramesh Raju, HoD, Professor, Dept. of ME, SREC

Mr. P.Mouliali, Asst. Prof, Dept of ME, SREC

#### Coordinator

P. Madhuaghava

#### Technical Committee:

Mr. M Ravichandra Asst. Prof.

Mr.P.Nagaraju, Asst. Prof.

Mr. S.Kwaja Moinuddin. Asst.Prof.

Mr. K. L. Srinivasulu Asst. Prof.

#### Student Coordinators:

Mr.A.PAVAN KALAYAN -IV ME

Mr. P NAGAVAMSHI KRISHNA-IV ME

The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or otherwise can use the registration form available overleaf.

Completed registration form should be sent to us through

E-mail [hod.mech@srecnandyal.edu.in](mailto:hod.mech@srecnandyal.edu.in) on or before 14<sup>th</sup> October, 2019.

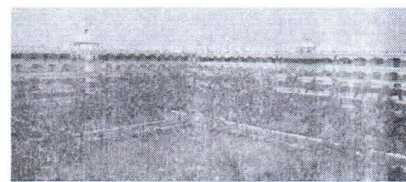
#### Address for correspondence:

The Convener,  
Santhiram Engineering College  
NH-40, Nandyal - 518501, Kurunool (Dist.)

### Add on Program on AUTOMOTIVE PART MODELING USING CATIA



From 16<sup>th</sup> OCT, 2019 to 21<sup>st</sup> Oct, 2019



Organized by

Department of Mechanical Engineering

And in  
Association with



EWB Student Chapter, SREC

SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA, Anantapuramu,  
An ISO 9001:2015 Certified Institution  
Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956  
NH-40, Nandyal - 518501:: Kurunool Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

Principal  
Santhiram Engineering College  
NANDYAL.

### ABOUT THE COLLEGE

Santhiram Engineering College (SREC) is sponsored by M/s Sri ChirdiSai 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". SREC is approved by AICTE, New Delhi; Recognized by UGC under 2(f) and 12 (B); Permanently Affiliated, to JNTUA, Anantapuramu; Certified to an ISO 9001:2015. The college is ranked as one of the Best Engineering Colleges of JNTUA, Anantapuramu.

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 THE DEPARTMENT

The Department of Mechanical Engineering is started with a vision to establish a global knowledge center in the field of mechanical engineering where the best of scientific and technical education, research and industry outreach the synergizing culminations.

The Department of Mechanical Engineering (ME) is offering a UG Program in B.Tech from the year 2011 with an intake of 60 students and it was increased to 120 in 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. The Department's strength is constantly upgrading infrastructure & Laboratory facilities. The Department has well qualified, dedicated and experienced faculty. A conducive environment exists in the Department for both students and staff. Quality technical education is provided to the students in the core areas of the field to meet the challenges of globalization. The Department also associated with Engineers Without Borders-India (EWB-India) a students' Chapter

### ABOUT THE PROGRAM

The intention of this session is to introduce the concepts of introduction to Basics Commands Interface of CATIA. Creation of Models by using CATIA. Part Modeling of Automotive and creating 2D & 3D Models and editing parametric by using CATIA Assembly Basics and its Constraints Using Design Tables Produce Assemblies Of Component Parts Commands. Practice Analysis to Produce 2D& 3D Models. The basic design principles, challenges and applications will be briefed which can help students to choose their career accordingly.

This session is to help the students appreciate the importance of basics that are taught as part of the curriculum. Focus will be on connection of basics with real life applications. Create sketches to capture design intent, how to model a part efficiently, as well as assemble parts into product assemblies and produce drawings

### RESOURCE PERSONS

**P.Nagaraju**

ASSIST PROFS

SANTHIRAM ENGINEERING COLLEGE

### ELIGIBILITY

Faculties, Research scholars and Engineering Students from AICTE affiliated institutions can attend. Total number of participants are limited. Therefore, early registration is highly recommended.

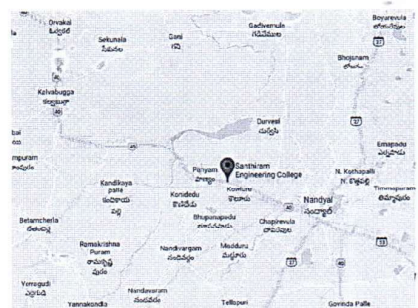
### Travel Allowance &Accommodation

The Reimbursement of Travel expenses & TA will not be provided to any participants. Accommodation will be provided on limited basis on prior request for outstation participants. The participants can avail the SREC bus facility to attend this expert lecture.

For route details, please refer <http://www.srecnandyal.edu.in>

### Venue

The Auditorium Block,  
Department of ME, SREC, Nandyal 518501, AP, India



Principal  
Santhiram Engineering College  
NANDYAL



# SANTHIRAM ENGINEERING COLLEGE: NANDYAL

Approved by AICTE, New Delhi; Permanently Affiliated to JNTUA, Anantapuramu,  
An ISO 9001:2015 Certified Institution  
Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956.

**“Two Weeks National Level Add ON Programme on ANSYS Workbench & CFD Analysis from 11th-June to**

**25th June ,2020” ORGANIZED BY  
DEPARTMENT OF MECHANICAL ENGINEERING**

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It 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 boundless energy of Er. M. Sivaram, Managing Director and Dr. M. V. Subramanyam, Principal of the college, are the source of inspiration to our faculties and students. SREC is permanently affiliated to Jawaharlal Nehru Technical University, Ananthapuramu and provides an excellent value based technical education by keeping the overall growth and development of students in mind.

#### **Vision**

- To provide value based Education in technical field.
- To become a self sustained University.

#### **Mission**

- To establish postgraduate programs in advanced technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like EWB, IE (I), ISTE, CSI & IEEE etc.

#### **ABOUT THE PROGRAM**

ABOUT ANSYS :ANSYS Mechanical Enterprise is the flagship mechanical engineering software solution that uses finite element analysis (FEA) for structural analysis using the ANSYS Mechanical interface. It covers an enormous range of applications and comes complete with everything you need from geometry preparation to optimization and all the steps in between. With Mechanical Enterprise you can model advanced materials, complex environmental loading and industry specific requirements in areas such as offshore hydrodynamics and layered composites materials. Computational Fluid Dynamics (CFD) is a methodology for computer simulation of fluid mechanics and heat transfer problems. The simulation results in prediction of the flow fields in the domain of interest are very useful in the design and optimization of processes and equipment. CFD has become widely used and universally accepted procedure in many academic and industrial sectors. This workshop offers excellent guidance on how to write CFD codes and to use CFD simulation software. The increasing importance of CFD

A simulation-software development, application, and analysis, in the Indian industry and research organizations, along with the lack of trained manpower in this area, has greatly increased the significance of this course. The level of the course will be appropriate for people carrying out research in CFD.

#### **ABOUT THE DEPARTMENT**

The Department of Mechanical Engineering (ME) is offering a UG Program in B.Tech from the year 2011 with an intake of 60 students and it was increased to 120 in 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. The Department's strength is constantly upgrading infrastructure & Laboratory facilities. The department has well qualified, dedicated and experienced faculty. A conducive environment exists in the Department for both students and staff. Quality technical education is provided to the students in the core areas of the field to meet the challenges of globalization.

The Department also associated with Engineers Without Borders-India (EWB-India) a students' Chapter

*Santhiram Engineering College*

**Chief Patron:**

**Dr.M. SANTHIRAMUDU**

Chairman

**Patron:**

**Er. M.SIVARAM**

Managing Director

**Convener**

**Dr. M. V. SUBRAMANYAM,**

Principal, SREC

**Resource person**

**Mr.P.MadhuRaghava,ME,SREC**

**Coordinator**

**Mr. M. Ravichandra , ME,SREC**

**Coordinators**

Dr. K.NagaRaju. Head of DeptME .

Dr. Ramesh Raju. Professor

Mr. P. Nagaraju, Asst. Prof.

Mr. S. Khajamoiddhu. Asst. Prof.

Mr. K. L. Srinivasulu. Asst. Prof

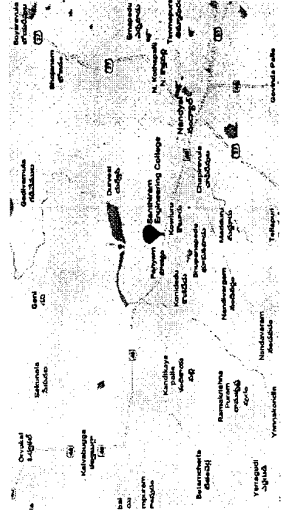
Mr. P.Obulesu. Asst. Prof.

Mr. P.Harish Kumar. Asst. Prof.

Mr. SmdYounus. Asst. Prof.

**Venue**

OnlineMode through YouTube channel,  
Department of ME, SREC, Nandyal 518501, AP, India



**Topics To be covered™**

- ✓ Course Overview
- ✓ Introduction
- ✓ Starting ANSYS Workbench
- ✓ Interface Overview
- ✓ Units
- ✓ CAD Import
- ✓ Engineering Data
- ✓ Design Modeler Interface
- ✓ Sketching Meshing
- ✓ Modeling the Base Boundary Conditions, Loads, and Solving the Model
- ✓ Modeling the Lifting Lug
- ✓ Viewing Results
- ✓ Results Toolbar
- ✓ CFX Tutorials, Workbench 17.0 Tutorials
- ✓ Creating Connections

**HOW TO REACH US.**

The college is located at Panyam on NH-40 between Kurnool –Kadapa road (60 KMs from Kurnool, 120 KMs from Kadapa). From Nandyai Railway Station it is just 14KMs and from Busstation it is just 15KMs away.



**SANTHIRAM ENGINEERING COLLEGE**  
**Two Weeks National Level Add**  
**ONProgramme on ANSYS**  
**Workbench &CFDAnalysis from**  
**11th-June to 25th June”**

**REGISTRATION FORM**

1. Name :
2. Department :
3. College :
4. Address for Correspondence:
5. Contact Phone No:
6. E-mail ID :
7. Registration Details:

Signature of the candidate

**CERTIFICATE**

This is to certify that, the above member(s) is/ are bonafied student(s) of our institution and the information given is correct.

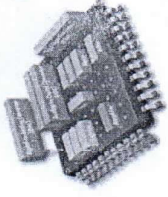
Date:

Place:

Head of the Institution



**SANTHRAM ENGINEERING COLLEGE :: NANDYAL**  
 Approved by AICTE, NEW DELHI; Permanently Affiliated to JNTUA, Anantapuramu,  
 An ISO 9001:2015 Certified Institution; Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956,  
 NH-40, Nandyal-518501, Kurnool-Dist., Andhra Pradesh



**A ONE WEEK ADD ON PROGRAM ON**

**“SIMULATION OF ELECTRONIC CIRCUITS BY USING E SIM”**

**Dates: 03- 08 FEB 2020**

In Association with

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



**ORGANIZING COMMITTEE**

Chief Patron:

Dr. M. Santhiramudu, Chairman, SREC

Patron:

Er. M. Siva ram, Managing Director, SREC

Convener:

Dr. M. V. Subramanyam, Principal, SREC

Co conveners:

**Dr. Y. Mallikarjuna Rao**, HOD, Dept. of ECE, SREC

**VENUE**

The Auditorium Block,

Department of ECE, SREC, Nandyal 518501, AP, India

**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 is upgraded to 120 seats in 2008. Forecasting the tremendous growth & opportunities in VLSI, the Department also started a Master of Technology (M. Tech) program in VLSI System Design in the year 2011 with an intake of 12 seats. The department received an ISO 9001:2015 certification for its qualitative functioning. The objectives of the department include: to produce quality engineers, indulge in research and promote the 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.

**Resource Person Coordinator**

Mr. S. Arif Basha  
 Assistant Professor,  
 Dept. of ECE  
 SREC, Nandyal.

Mr. T. Nagamani  
 Assistant Professor,  
 Dept. of ECE,  
 SREC, Nandyal.

**STUDENT COORDINATORS**

Miss. GAJULA VINITHA  
 Mr. BOYA VENKATA RAJU  
 Miss. TELAKAPALLI SAI MANASWINI  
 Mr. DUDEKULA MAHAMMAD

## ABOUT THE COLLEGE

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". SREC is approved by AICTE, New Delhi: Recognized by UGC under 2(f) and 12 (B): Permanently Affiliated to JNTUA, Ananthapuramu: Certified to an ISO 9001:2015. The college is ranked as one of the Best Engineering Colleges of JNTUA. Ananthapuramu. The first Institution in Andhra Pradesh to have an R&D center sanctioned by BHEL, India.

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.

- o The participants can download Registration Form available on the SREC website (<http://www.srecnandyal.edu.in>) or other wise can use the registration form available over leaf.
- o The candidate can also register in person with program coordinator Ms. T. Nagamani, Assistant professor, Dept. of ECE.
- o Completed registration form should be sent to us through E-mail: [tnagamani.ece@srecnandyal.edu.in](mailto:tnagamani.ece@srecnandyal.edu.in)

### Eligibility & Registration Fee

All II B. Tech ECE students from home institution can attend. Total number of participants are limited to 120. Therefore, early registration is highly recommended. There is no registration fee.

### VENUE

The Auditorium Block,  
Department of ECE, SREC, Nandyal 518501, AP, India

## REGISTRATION FORM

ONE WEEK ADD ON PROGRAM

On

Simulation of Electronic Circuits by using E sim  
03/02/2020 to 08/02/2020

1. Name :
2. Designation/Year :
3. Dept./Branch :
4. College :
5. Address of correspondence:
6. Contact Phone Nos. :
7. E-mail ID :

### Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the Course and shall attend the course for the entire duration.

Signature of the candidate

### CERTIFICATE

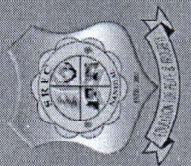
This is to certify that, the above member(s) is/ are bonafide student(s) of our Institution and the information given above is correct.

Signature of

Head of Institution / Department With seal

Place:

Date:



# SANTHIRAM ENGINEERING COLLEGE



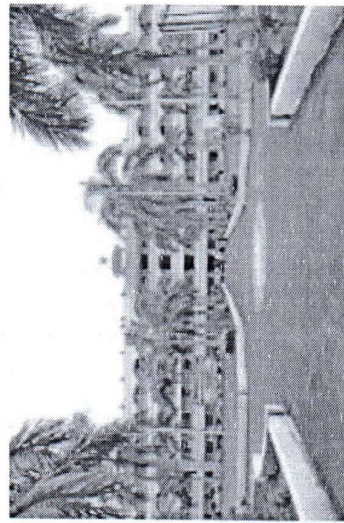
## One Week Addon Program On Low power VLSI Design using EDA Tool

05-10 August 2020

In Association with IE(I), ISTE & IEEE Student Chapters of SREC.

### 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". SREC is approved by AICTE, New Delhi; Recognized by UGC under 2(f) and 12 (B); Permanently Affiliated to JNTUA, Ananthapuramu; Certified to an ISO 9001:2015. 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.



### 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.

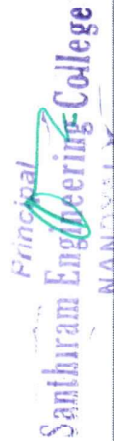
Our goal is to produce engineers who can contribute to the progress of the Nation and the World through excellent scientific, technical innovations and research activities.

### ABOUT PROGRAM

The VLSI EDA tools are the important Backend tools used to easily learn and develop better electronic products faster with less area & power dissipation. Most power full tool to address the challenges for next generation designs. This program is a gesture of such an attempt to provide a chance to the interested, inquisitive and talented generation in the universities /institute to educate, inspire them to pursue their ambitions of chip designers and make a great impression on country's future.

### RESOURCE PERSON

Mr. S. Rambabu  
Assistant Professor of ECE,  
Santhiram Engineering College, Nandyal.



Approved by AICTE, New Delhi Permanently Affiliated to JNTUA, Ananthapuramu.  
An ISO 9001:2015 Certified Institution Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956  
NH-40, Nandyal - 518501. www.sreenandyal.edu.in, Ph.No.08514-276201







# SANTHIRAM ENGINEERING COLLEGE



## One Week Addon Program On Low power VLSI Design using EDA Tool

05-10 August 2020

In Association with IE(I), ISTE & IEEE Student Chapters of SREC.

### CONTENTS OF THE PROGRAM

- FPGA design flow
- Introduction to Advanced Verification Concepts - Assertion Based Verification Code coverage analysis with Questasim.
- Logic Synthesis Fundamentals- Understanding the Synthesis process - Optimization - Synthesizing for Area and timing - Resource management using Precision synthesis.
- Graphical design entry, Graphics to RTL using HDL designer Code quality checking.
- Introduction to Analog and Custom IC Designs - design flow
- Introduction to SPICE simulation
- Introduction to VLSI Design
- Basics of MOS circuits
- MOS Transistor structure and device modelling

### ELIGIBILITY

All III & IV B, Tech ECE Students can attend. Total number of participants are limited to 100. Therefore, early registration is highly recommended.

### REGISTRATION FEE

- Registration fee: Free

### ORGANISING TEAM

Chief Patron  
 Dr. M. Santhiramudu,  
 Chairman, SREC.  
 Patron  
 Er. M. Siva Ram,  
 Managing Director, SREC.  
 Convener  
 Dr. M.V. Subramanyam,  
 Professor of ECE & Principal, SREC.  
 Co-Convener  
 Mr. Y. Mallikarjuna Rao,  
 Associate Professor & HoD  
 Coordinator  
 Mr. N. Sreenivasa Rao  
 Assistant Professor, Dept of ECE  
 Organising Team  
 Mr. C.V. Subhaskara Reddy, Assistant Professor  
 Mr. M. Mohan Reddy, Assistant Professor  
 Mr. N. Sreenivasa Rao, Assistant Professor  
 Mr. S. Ram Babu, Assistant Professor  
 Mr. P. Prathap Reddy, Assistant Professor  
 Mrs. G. Sowmya, Assistant Professor  
 Mr. S. Munawwar, Assistant Professor  
 Student Coordinators  
 Miss. Sandanapu Pallavi -IV ECE  
 Mr. Gorre Vasu -IV ECE  
 Miss. Guda Mahitha Reddy -IV ECE

### 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 faculty of our institution & information is given by him/her is correct.

Place:

Date:

Signature of the Principal

Approved by AICTE, New Delhi Permanently Affiliated to JNTUA, Ananthapuramu,  
 An ISO 9001:2015 Certified Institution Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956  
 NH-40, Nambyal - 515301, Karnool Dist. A.P. www.sreemandyal.edu.in, Ph.No.08514-276201



## REGISTRATION FORM

### One Week Online Addon Program

On

“IOT and Its Applications in real times” 01-06  
June 2020

1. Name :
2. Designation/Year :
3. Dept./ Branch :
4. College :
5. Address for Correspondence :
6. Contact Phone Nos. :
7. E-mail ID :
8. Registration Fee : FREE

### Registration Link

All the II & III B. Tech ECE students from SREC are eligible to apply for this program. There is no registration fee. We accept only online registrations. No hard copy submission is required. Fill the details in link provided below.

<https://docs.google.com/forms/d/108CbfskMqK42P4hXG1v4RUCRcUuw6izw61whbSk6w/edit>

## ORGANIZING COMMITTEE

### CHIEF PATRON:

DR. M. SANTHRAMUDU, Chairman, SREC

### PATRON:

ER. M. SIVARAM, Managing Director, SREC

### CONVENER

DR. M. V. SUBRAMANYAM, Principal, SREC

### COCONVENER

Dr. Y. MALLIKARJUNA RAO

Head of the Department of ECE, SREC

### RESOURCE PERSON

Ms. G. SOWMYA,

Asst.Prof - 9441401197

MR.N. SREENIVASA RAO,

Asst, prof-9866760476

### Coordinator:

MS. S. JAYAMANGALA

Assistant Professor

Student Coordinators:

Mr. DUDEKULA MAHAMMAD

Miss. BALLARI PUSHPALATHA

Miss. BOYAPALLI GAYATRI

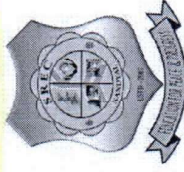
### Address for correspondence:

The Convener,  
Santhiram Engineering College  
NH-40, Nandyal - 518501, Kurnool (Dist.)

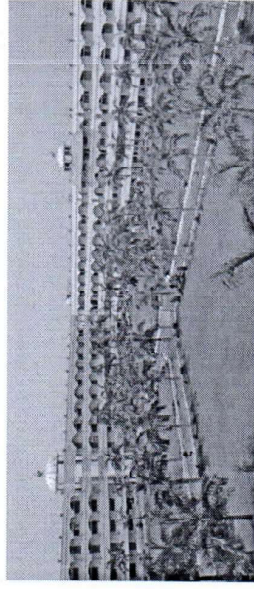
## ONE WEEK ONLINE ADDON PROGRAM

On

“IOT and Its Applications in  
real times”



01-06 June 2020



Organize by

Department of Electronics and Communication  
Engineering

In Association with

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



EWB Student Chapter, SREC

SANTHRAM ENGINEERING COLLEGE

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Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956

NH-40, Nandyal - 518501 :: Kurnool Dist. A.P.

Visit us @ [www.srechandya.edu](http://www.srechandya.edu)

1988

Principal  
Santhiram Engineering College  
NANDYAL

## ABOUT THE COLLEGE

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurmool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

### ABOUT THE DEPARTMENT

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 120 in B. Tech programme. The department is also offering one PG Programmes VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has close association with industry and academia, resulted in the establishment. The Dept is having fully experienced dedicated and committed faculty as asset.

### ABOUT THE PROGRAM

This Addon program will provide a platform for IoT in embedded systems. IoT is system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network

without requiring human to human or human to computer interaction. And also students able to get get knowledge on Robotic applications

### ABOUT Raspberry Pi:

Did you really think the raspberry Pi would be getting better? At this point, we sound like a broken record, extolling on the new Pi's improvements. Most excited is the addition of a BCM43143 wi-fi chip BUILT-IN to your Raspberry Pi. No more peaky wi-fi adapters this pi is ready. There also Bluetooth Low Energy (BLE) on board making the pi an excellent IoTsolution

### PROGRAM CONTENT:

#### Session 1:

Lot Brief outline, Raspberry pi  
Python programming Introduction Modules

#### Session 2:

Getting started with RPI Basic generic board

#### Session3:

Sensors used in different applications Python tool introduction

Interfacing IR Sensor using Raspberry pi

#### Session 4:

Interfacing DHT Sensor using Raspberry pi

Interfacing Light sensor using Raspberry pi

#### Session 5:

Connecting cloud to transfer data Sending sms using Raspberry

#### Session 6:

Update Python Package  
Sending sensor data through cloud using thingspeak.com

#### Session 7:

Introduction to microprocessors & microcontrollers  
Different types of architectures

Types of microprocessors and microcontrollers

#### Session 8:

Difference between microprocessors  
and microcontrollers  
Different applications in microcontrollers

#### Session 9:

Introduction to ATMEGA 2560 & its futures Pin  
diagram and architecture  
Hardware components like buzzer,button etc.

#### Session 10:

Lcd and serial communication  
Server motor,ADC&switching devices

#### Session 11:

Developing of programming of ATMEGA 2560 using  
ATMEL studio

#### Session 12:

Programming of LED, Switching Programming of  
LCD  
Program  
Programming of speed control &white follows

#### ELIGIBILITY:

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

#### Venue: Online

<https://docs.google.com/forms/d/108CbfskMqK42P4hXG1vv4RUCRcUsuw6izw61whbSk6w/edit>

The Department of ECE,  
SREC, Nandyal 518501, AP, India

**REGISTRATION FORM**  
One Week Online Certificate  
Program On

“Advanced Embedded systems with Arduino”

26-31 MAY 2020

- 1. Name :
- 2. Designation/Year :
- 3. Dept./ Branch :
- 4. College :
- 5. Addressfor  
Correspondence :
- 6. ContactPhoneNos. :
- 7. E-mailID :
- 8. RegistrationFee **FREE**

**Registration Link**

All the students of ECE department from SREC are eligible to apply for this program. There is no registration fee! We accept only online registrations. No hard copy submission is required. Fill the details in link provided below.

<https://docs.google.com/forms/d/102843bebskMqK42P4hXG1vv4RUCRcUsw6izw61whbSk6w/edit>

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- Patron:**  
Er. M. Sivaram, Managing Director, SREC
- Convener**  
Dr. M. V. Subramanyam, Principal, SREC
- Co-Convener**  
Dr. Y. Mallikarjuna  
Rao  
Head of the Department of ECE, SREC
- Coordinator**  
Mr. M. Mohan Reddy,  
Asst, prof-8309395743

- Students Coordinators**  
Miss.SADANAPU PALLAVI  
Miss.GUDA MAHITHA REDDY  
Mr. GORRE VASU  
Miss.MIRTHURI AMALA  
Mr.CHINDALURI MAHABOOB BASHA

**Address for correspondence:**

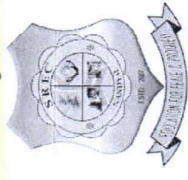
The Convener,  
Santhiram Engineering college  
NH-40, Nandyal-518501, Kurnool (Dist.)

*Santhiram Engineering College*  
Nandyal

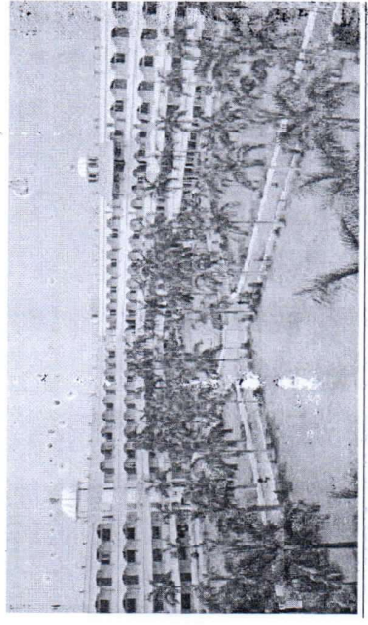
**One Week Online Certificate Program**

on

“Advanced Embedded systems with Arduino”



26-31 MAY 2020



Organized  
by  
Department of Electronics and Communication  
Engineering  
In Association with  
ARI Global Solutions & Student Chapters, SREC.



**SANTHIRAM ENGINEERING COLLEGE**  
Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA, Ananthapuramu,  
An ISO 9001:2015 Certified Institution  
Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956  
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Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

### ABOUT THE COLLEGE

thiram Engineering College (SREC) was sponsored by M/s Sri Shirdi Sai Educational Idemy, Nandyal. It was started under the able guidance of Dr.M. Santhiramudu (Chairman of RGMUP of Educational Institutions) in the year 2007 NH-18 at Nandyal, Kurnool (Dist) A.P. We in high spirits and our mirth knows no boundaries announce that our SREC, the pioneer of value-added education, has been awarded the Permanent affiliation for the branches viz. CSE, ECE, MECH & E to the JNT University, Anantapuram. The institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

### ABOUT THE DEPARTMENT

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive merit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 100 in B. Tech programme. The department is also offering one PG Programme VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has a close association with industry and academia, resulting in the establishment. The Dept is having highly experienced dedicated and committed faculty as well as

### ABOUT THE PROGRAM

The purpose of this program is to present programming and electronics techniques based on Arduino and to discuss them from the point of view of using microcontroller technology to interact with the environment. And also discuss about the different variants of Arduino boards. Next, Arduino history and characteristics are quickly reviewed, and the driver installation procedure and IDE of Arduino are also introduced. And also describes many embedded basic functions, such as the functions for reading and writing digital and analog input and output pins, interrupt functions, mathematic functions, and serial communication functions. After that presents the various types of sensor modules available for Arduino. It covers many of the commonly available types, such as the temperature sensor, joystick module, analog sound sensor, and other items that are not specific to Arduino, but are compatible. Electrical pin-out information, schematics, and software are provided for many of the items discussed.

### TOPICS TO BE COVERED

- Introduction to Embedded systems
- Block diagram description of Embedded systems
- General components of Embedded systems
- Characteristics of embedded computing applications
- Challenges in embedded computing system design
- Introduction to Arduino
- Hardware and Programming environment(IDE) view.
- Types of Arduino Boards

- 7 Brief description on multiple boards based on Microcontrollers
- Most popular Arduino boards
- Shields that support ARDUINO
- Pin description of ATmega328 Microcontroller
- Introduction to Sensors and Actuators
- Compatible Sensors for Arduino UNO
- An Explanation of DC Motors
- Explanation of LCD with pin description
- Explanation of Serial Communication - SPI & I2C.
- Fundamentals of Arduino Programming
- Understanding Arduino Syntax Basics
- Installation of Arduino Integrated Development Environment
- Installation of PROTEUS Simulator
- Designing of Arduino Hardware in PROTEUS
- A simple example application on using Arduino and PROTEUS. Like Blinking LEDs.

### RESOURCE PERSON

*Mr. B. Adinarayana,*

*Senior Engineering*

*ARI Global Solutions*

*Hyderabad*

### ELIGIBILITY:

All the students of ECE department from SREC are eligible to apply for this program. Total number of participants is limited to 100. Therefore, early registration is highly recommended.

### Venue: Online

The Department of ECE,  
SREC, Nandyal 518501, AP, India



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NH-40, Nandyal-518501: Kurnool Dist., A.P.

## Department of Electronics and Communication Engineering

<b>Name of the Course:</b> Advanced Embedded systems with Arduino		
<b>Course Code:</b> ECE-20-CP-01	<b>Programs Eligible:</b> B.Tech (ECE)	<b>Total Hours:</b> 30
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. To introduce and train the audience to Advanced topics which can have potential applications in the field of Electronic and communication Engineering.</li><li>2. To introduce the students to Arduino, its architecture, Pin configuration, Programming Concepts, Interfacing and applications in the Embedded Systems.</li></ol>		
<b>Outcomes:</b> <ol style="list-style-type: none"><li>1. Students are able to identify the Arduino Pin configuration.</li><li>2. Students are able to know the architecture of Arduino.</li><li>3. Students are able to write basic programs using Arduino.</li><li>4. Students are able develop embedded applications with Arduino.</li></ol>		
S.NO	Topics Covered	Lect. No
01	<ul style="list-style-type: none"><li>• Introduction to Embedded systems</li><li>• Block diagram description of Embedded systems</li><li>• General components of Embedded systems</li><li>• Advantages of ES</li></ul>	02
02	<ul style="list-style-type: none"><li>• Differences between embedded systems and general systems</li><li>• Architecture layers of Embedded systems</li><li>• Characteristics of embedded computing applications</li><li>• Challenges in embedded computing system design</li></ul>	02
03	<ul style="list-style-type: none"><li>• Embedded System design process</li><li>• Formalism for system design</li><li>• Applications of Embedded systems.</li></ul>	04
04	<ul style="list-style-type: none"><li>• Importance of controllers and processors in Embedded systems</li><li>• Programming languages and operating systems.</li><li>• Difference between processor and Controller.</li></ul>	03
05	<ul style="list-style-type: none"><li>• Introduction to Arduino</li><li>• History of Arduino</li><li>• Functionality of Arduino</li><li>• Hardware and Programming environment(IDE) view.</li></ul>	02



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## Department of Electronics and Communication Engineering

06	<ul style="list-style-type: none"><li>• Arduino verses other environment</li><li>• Introduction to Arduino UNO</li><li>• Features of Arduino UNO</li><li>• Board description of Arduino UNO</li></ul>	02
07	<ul style="list-style-type: none"><li>• Introduction to Sensors and Actuators</li><li>• Working principle of Sensors and Actuators</li></ul>	04
08	<ul style="list-style-type: none"><li>• Compatible Sensors for Arduino UNO</li><li>• In-detail about multiple Sensors</li><li>• A brief about ADC and DAC</li></ul>	02
09	<ul style="list-style-type: none"><li>• Working of Relays</li><li>• Working of Regulators</li><li>• Working of oscillator with example</li></ul>	03
10	<ul style="list-style-type: none"><li>• Explanation of Serial Communication - SPI &amp; I2C.</li><li>• Pulse Width Modulation in Arduino.</li></ul>	02
11	<ul style="list-style-type: none"><li>• Fundamentals of Arduino Programming</li><li>• Keywords, Inbuilt functions</li><li>• Required Libraries for Arduino</li></ul>	02
12	Programming of LED, Switching Programming of LCD and Programming of speed control & white follows program	02
<b>Total Lecture Hrs.</b>		<b>30</b>

*Pradhan*  
2/c HOD

*J.V.*

Principal  
Santhiram Engineering College  
NANDYAL



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## Department of Electronics and Communication Engineering

Cr. No. SREC/ECE/ 2019-20/ CP/ P-11/01

Date: 21/05/2020

### CIRCULAR

The Department of ECE has all set to host the **one-week online Certificate Program on "Advanced Embedded Systems with Arduino"** during 26/05/2020 to 31/05/2020 through the online mode for all II, III & IV B. Tech - II Sem ECE students. **Mr. B. Adinarayana**, Senior Engineer, ARi Global Solutions, Hyderabad, will act as resource person for this program. The Interested students are advised to register their name through googleform before 25/05/2020. For any related information, please contact Mr. M. Mohan Reddy, Program Coordinator, Asst.Prof. Dept. of ECE, SREC.

(<https://docs.google.com/forms/d/102843bebskMqK42P4hXG1vv4RUCRcUsuw6izw61whbSk6w/edit>).

*Chandru*  
HOD ECE

*J.V.*

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2. All HoDs
3. Department Notice Board
4. IQAC

*Principal*  
**Santhiram Engineering College**  
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Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

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**Mr. S. Md Riyaz Nalk**, Asst. Prof. in CSE

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Asso. Prof and HOD of CSE Dept,  
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10. Mr. S. Srinivas HSE
11. Mr. S. Srinivas HSE
12. Mr. S. Srinivas HSE

**A COURSE ON MACHINE LEARNING**

**29-7-2019 To 3-08-2019**

**REGISTRATION FORM**

1. Name of the Participant:
2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

Signature of the Participant

This is to certify that Mr./Mrs. \_\_\_\_\_  
is the Student of \_\_\_\_\_  
our institution.  
He/She permitted to attend workshop.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of the \_\_\_\_\_  
of the Authority with seal

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**Department of CSE**

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**A COURSE ON MACHINE LEARNING**

**29-7-2019 To 3-08-2019**

Visit us: [www.santhiram.ac.in](http://www.santhiram.ac.in)  
Email: [registrar@santhiram.ac.in](mailto:registrar@santhiram.ac.in)

About the College:

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Vision

- To provide value based Education in Technical field.
- To become a self sustained University.

Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction

To nurture the young Engineering Graduates to become self dependent

For more details visit our website [www.srecnandyal.com](http://www.srecnandyal.com) or contact us at 9347249408

About the Program

To Learn the essential Machine learning techniques that enables a system to learn from data rather than through explicit programming.

Program Schedule:

Day1

Inauguration , Motivation,history of deep learning, why python is used for deep learning,

Day2

Bettering Ai with deep learning,Biological inspiration , idea of artificial perception

Day3

idea of artificial perceptron,Multi-layer perceptron (mlp) & demonstration

Day4

Multi-layer perceptron (mlp) & demonstration(count), Gender dataset,

Day5

How to deal with image data

Day6

Covolution neural network,Image classification, Localization , object detection using tensorflow

Instructions to participants

Participants are required to bring their own laptop with the following software installed on the system: Python 2.7, TensorFlow 1.0.1, Jupyter Notebook 4.2.0, Anaconda 1.8.0

About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

**Resource person**

Mr.G.VaraPrasad, Asst.professor,  
**SREC NANDYAL**

Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
Kurnool (Dist), AP

**Contacts:**

Mr.J.David Sukeerthi Kumar  
HOD Of CSE Dept) 9701429254  
Mr.S.Md Riyaz Nalk Asst.Prof  
9347249408

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Chairman, RGM Group of Institutions.

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**Coordinator**

**Mr P.Bhaskar**, Asst.Prof. in CSE

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Asso. Prof in CSEDept,SREC,Nandyal.  
**Dr.Madhu Sudhan.**  
Asso. Prof. and HOD of CSEDept,  
RGMCE,Nandyal.  
**Dr Raju Bhukya**  
Associate Prof., NITW

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12. Mr. Chandra Reddy

“A course

On

**AUGMENTED REALITY & VIRTUAL  
REALITY”**

**16-9-2019 to 21-09-2019**

**REGISTRATION FORM**

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2. Name of the Institution:
3. Address for Correspondence:
4. Contact Number:
5. Email Id:

Signature of the Participant

This is to certify that Mr/Mrs \_\_\_\_\_ is the Student of \_\_\_\_\_  
He /She permitted to attend workshop.

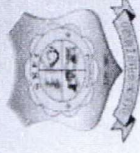
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Date:

Signature of the  
Sponsoring Authority with seal

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Email: [sreanadyal@gmail.com](mailto:sreanadyal@gmail.com)

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**Santhram Engineering College**

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### Vision

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- To become a self sustained University.

### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

*Education For Peace & Progress*

### About the Program

To Learn the Augmented reality that superimposes a computer-generated image on a user's view of the real world, thus providing a composite view

### Program Schedule:

**Day1** Inauguration , Motivation, Basics,Hardware and Software components, Practical applications in different industries: Robotics, Gaming

**Day2** Healthcare, Entertainment, Construction etc, Elements in VR & AR – Haptics,Tracking , Visual perception, Lights

**Day3** Tracking , Visual perception, Lights,Optics , Audio, VR software

**Day4** Optics, Audio, VR software  
Visual Perception and Rendering, VR & AR developments in IPR,  
Visual Perception and Rendering

**Day5** Hand-on Demos and Training – VR & AR  
Role of Virtual and Augmented Reality in Robotics

**Day6** Role of Virtual and Augmented Reality in Robotics, Computer vision and human computer interaction in AR and VR

### Instructions to participants

- 1.The seats are limited and first cum first serve basis is followed
- 2.Snacks will be provided at the college premises and participants have make their own arrangements for Lodging & Travelling

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource person

**Dr. M.Verasha, Assoc professor,  
SREC NANDYAL**

### Address for Correspondence:

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Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-18, Nandyal-518501,  
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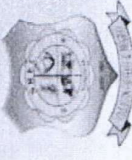
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**Mr P.Bhaskar AsstProf**  
9908830718

Santhiram Engineering College  
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Department of CSE

In Association with  
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Presents

**A COURSE ON CYBER SECURITY & ETHICAL HACKING**

9-12-2019 To 14-12-2019

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Email: [sreknadyal@gmail.com](mailto:sreknadyal@gmail.com)

**A COURSE ON CYBER SECURITY & ETHICAL HACKING**

9-12-2019 To 14-12-2019

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Place:

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NANDYAL

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**Dr A. P. Sivakumar**  
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  5. Dr. Y. Mallikarjuna Rao HECE
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  12. Mr. Chandra Reddy PD

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- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

Education For Peace & Progress

### About the Program

This program will provide the students a base to cyber security. In this program, students will explore the knowledge in cyber security.

### Program Schedule:

**Day1** Inauguration Fundamental of Ethical Hacking Virtualization & System Cloning  
**Day2** Windows Hacking & Security (Win 8 & Win 7), Online Cloud Computer Development

**Day3** Online Cloud Computer Development Data Hiding Techniques & Investigation

**Day4** Data Hiding Techniques & Investigation, Hacking By Batch Programming & Scripting, Hacking by Viruses, Trojans, Keyloggers & Spywares

**Day5** Google Database Hacking, Proxy Server & VPN Technologies, Email Hacking & Security Issues, Facebook Hacking & Security, Website & Database Hacking Attacks

**Day6** Email Hacking & Security Issues, Facebook Hacking & Security, Website & Database Hacking Attacks, Android Hacking & Security,, Credit Card Frauds & Cases, Case Study

### Instructions to participants

1. The seats are limited to 60 and first cum first serve basis is followed
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**Mr.P.Bhasker, Asst professor,  
SREC NANDYAL**

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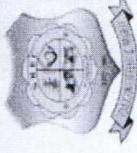
The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-40, Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

**Mr.J.David Sukeerthi Kumar**  
HOD OF CSE Dept **9701429254**  
**Mr M.Amereswar kumar Asst.Prof**  
**9949047743**

## SANTHRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi:  
Affiliated to JNT University, Anantapuramu.  
NH-40, Nandyal -518501::Kurnool Dist. A.P



Department of CSE

In Association with  
Computer Society of India  
Presents

A COURSE ON FULL STACK  
DEVELOPMENT

10-2-2019 To 15-2-2019

Visit us: [www.sreanadyal.com](http://www.sreanadyal.com)

Email: [sreanadyal@gmail.com](mailto:sreanadyal@gmail.com)

A COURSE ON FULL STACK  
DEVELOPMENT

10-2-2019 To 15-2-2019

### REGISTRATION FORM

1. Name of the Participant:

2. Name of the Institution:

3. Address for Correspondence:

4. Contact Number:

5. Email Id:

Signature of the Participant

This is to certify that Mr/Mrs \_\_\_\_\_  
\_\_\_\_\_ is the Student of \_\_\_\_\_  
He /She permitted to attend workshop.

Place:

Date:

Signature of the

Sponsoring Authority with seal

#### Chief Patron

**Dr.M.Santhiramudu**  
Chairman, RGM Group of Institutions.

#### Patrons

**Mr.M.Siva Ram**  
Managing Director,SREC.  
**Dr.M.V.Subramanyam**  
Principal,SREC.

#### Convener

**Mr.J.David Sukeerthi Kumar**  
Asst. Prof & HOD of CSE Dept, SREC, Nandyal.

#### Coordinator

**Mrs. M.Sharmila Devi**, Asst.Prof. in CSE

#### Technical Advisory Committee

**Dr.K.Subba Reddy**  
Asso. Prof in CSE Dept,SREC.,Nandyal.  
**Dr.Madhu Sudhan.**  
Asso. Prof. and HOD of CSEDept,  
RGMCEt,Nandyal.  
**Dr. A. Ananda Rao**  
Professor, Dept of CSE, JNTUA

#### Organizing Committee

1. Dr. M. V. Subramanyam Principal  
& Chairperson
2. Dr. B. Seshaiiah HBS & IQAC coordinator  
HEEE
3. Mr. M.Y. Veeresh HME
4. Dr. Ramesh Raju HECE
5. Dr. Y. Mallikarjuna Rao HCSE
6. Mr. J. David S Kumar HMBA
7. Dr. A. K. Neeraja Rani  
Dean , R & D
8. Dr S. Md. Farooq TPO
9. Mr. Kishore Naidu  
Exam section
10. Mr. Abdul Malik  
Librarian
11. Mr. Madhu  
PD
12. Mr. Chandra Reddy

Principal  
Santhram Engineering College  
N A V

### About the College:

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M.Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurmool (Dist) A.P.

### Vision

- To provide value based Education in Technical field.
- To become a self sustained University.

### Mission

- To establish an effective R&D and Consultancy cell
- To develop Industry Institute Interaction.
- To motivate the young Engineering Graduates to become Entrepreneurs.
- To achieve 100% Results and Placements.

### Motto

Education For Peace & Progress

### About the Program

To Learn the Augmented reality that superimposes a computer-generated image on a user's view of the real world, thus providing a composite view

### Program Schedule:

**Day1** Inauguration , Introduction to FULL stack development,AngularJS 6 and advanced angular components

**Day2** Working with AngularJS 6  
Working with Spring framework and MVC

**Day3** Working with Spring framework and MVC  
.spring Database with NoSQL - MongoDB, Core

**Day4** spring Database with NoSQL - MongoDB,  
Core,concepts, Aggregation MongoDB + hands on

**Day5** CRUD with Angular  
Spring and MongoDB

**Day6** Spring and MongoDB, Hands on project

### Instructions to participants

- 1.The seats are limited to 60 and first cum first serve basis is followed
- 2.Snacks will be provided at the college premises and participants have make their own arrangements for Lodging & Travelling

### About the Department

The Department of Computer science and Engineering started in the year 2007, offering UG program with an intake of 60 and is equipped with the state of the art laboratories having 500+ branded Computers with legal software's as per norms and methods in imparting the quality of education. The Department has been involving in the academic, curricular and co curricular activities for the Development of the college

### Resource person

**Mr.G.Varaprasad, Asst professor,  
SREC NANDYAL**

### Address for Correspondence:

The Convener  
Computer science and Engineering Dept,  
Santhiram Engineering College,  
NH-40, Nandyal-518501,  
Kurnool (Dist), AP.

### Contacts:

**Mr.J.David Sukeerthi Kumar**  
HOD OF CSE Dept) 9701429254  
**Mrs. M.Sharmila Devi,Asst.Prof**  
9441179564



# REGISTRATION FORM

1. Name: \_\_\_\_\_
  2. Branch: .....
  3. College.....
  4. Contact Phone No .....
  5. Address for Correspondence.....
- \_\_\_\_\_
- \_\_\_\_\_
- Phone \_\_\_\_\_ fax \_\_\_\_\_
- E-Mail ID \_\_\_\_\_

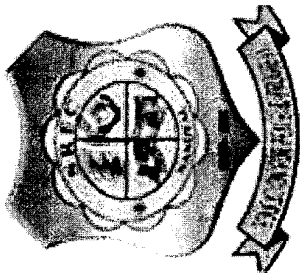
## Signature of the Participant

Certified that the about information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

"COURSE IN C#"

From 10<sup>th</sup> Dec, 2019 to 15<sup>th</sup> Dec, 2019



Organized By

Department

Of

Basic Sciences

SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA,

Anantapuramu

An ISO 9001:2015 certified institution

NH-40, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh

**Chief Patron**

Dr. M. Santhiramudu

**Patron**

Er. M. Siva ram

**Convenor**

Dr. M.V. Subramanyam, Principal

**Co- Convenor**

Mrs. N.Rama Devi, HoD , Dept. of BS

**Coordinator and Recourse Person**

Dr. V.Veerasha,

Asst. Prof of Computer Science

**Organizing Committee**

Mr.S.Md.Abdulla, Asst. Prof

Mr.A.Shareef, Asst,Prof

## About the college

Santhiram Engineering College (SREC) was inspired by M/s Sri Shiridi Sai Educational Academy, Nandyal. It was started under the guidance of Dr.M.Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurnool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of quality-based education, has been awarded the permanent Affiliation for the branches viz. E, ECE, MECH & EEE to the JNT University, Anantapuram. The Institute is affiliated to the Government of Andhra Pradesh under Section 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

## vision

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with global-consciousness and global standards.

## mission

To provide Advanced Educational programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

To establish postgraduate programs in the present and Advanced Technologies.

To establish an R&D Consultancy through developing Industry Institute interaction, building up exceptional infrastructure.

To propel every individual, realize and act for the technical development of the society.

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory setups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: • Engineering Physics • Engineering Chemistry • Mathematics • English Language and Communication

## About the Facilities

- Well qualified ,dedicated &rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

C# is one of the most popular programming languages and can be used for a variety of things, including mobile applications, game development, and enterprise software. Knowing C# opens a great deal of doors for you as a developer. In this course, you'll be exposed to fundamental programming concepts using C# and start writing programs right away. You'll build several projects to help you practice and test your knowledge using quizzes.

## Registration

For Registration contact Mr. A.Shareef,Asst.Prof. In Mathematics.

## Note:

1. Students are advised to register well in advance.

## RESOURCE PERSON

**Dr.M.Veeresha**

Asst.prof. of CSE

**SANTHIRAM ENGINEERING COLLEGE**  
NANDYAL-518501, Kurnool Dist.

Andhra Pradesh



## **SANTHIRAM ENGINEERING COLLEGE: NANDYAL**

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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### **DEPARTMENT OF BASIC SCIENCES**

#### **Online Add on course: An Elementary Course in Partial Differential Equations and its Applications in Engineering**

##### **Speaker Profile**



Name : **Dr. K.GAYATHRI DEVI**

Designation : Asst. Prof.

Department : Basic Sciences

Contact No. : 9502399660

E-Mail: [gayathri.bs@srecnandyal.edu.in](mailto:gayathri.bs@srecnandyal.edu.in)

Qualification : M.Sc, Ph.D

Experience : 4 Years

Areas of Interest: Fluid Dynamics

##### **Proficiency of the recourse person:**

Mrs K.Gayathri Devi Asst. Professor in Mathematics did her Post Graduation in Mathematics from Sri Krishnadevaraya University then she did her Ph.D also from Sri Krishnadevaraya University in fluid dynamics. She is working as an Assistant Professor of mathematics in SREC since two years.



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## DEPARTMENT OF PHYSIC SCIENCES

### Course structure

<b>Name of the Course: An Elementary Course in Partial Differential Equations and its Applications in Engineering</b>		
<b>Course Code: SREC-BS-Add on/2019-20/02</b>	<b>Programs Eligible: I B.Tech CSE students</b>	<b>Total Hours: 30</b>
<b>Objective:</b>  The aim of the course is to provide the basic knowledge to understand engineering mathematics and its applications.		
<b>Course Outcomes:</b> At the end of the course the students able to  <ol style="list-style-type: none"> <li>1. Form the Partial Differential Equations from the curves.</li> <li>2. Solve the one dimensional heat and wave equations.</li> <li>3. Solve the total differential equations.</li> <li>4. Solve the linear and non linear Partial differential equations.</li> <li>5. To understand how mathematical concepts related to engineering mathematics and Its applications.</li> </ol>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
<b>01</b>	<b>Partial Differential Equations:</b> Formation of partial differential equations by eliminating the arbitrary constants-arbitrary functions-Method of separation of variables. Solutions of one dimensional wave equations, Heat equations and two dimensional Laplace's equation under initial and boundary conditions.	<b>6</b>
<b>02</b>	<b>Total Differential Equations:</b> Methods of solving $Pdx+Qdy+Rdz = 0$ by inspection method- by taking one variable as constant. Solution of simultaneous differential equations of the form $\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$ .  Method of grouping-Method of multiplier	<b>6</b>
<b>03</b>	<b>Linear Differential Equations of Higher Order:</b> Definitions, operator D, complimentary function, rules to find the particular integral $e^{ax}$ , $\sin(ax)$ or $\cos(ax)$ , $x^k$ or polynomial in $x$ , $e^{ax} v(x)$ , $x v(x)$	<b>6</b>



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## DEPARTMENT OF BASIC SCIENCES

04	<b>linear partial differential equations of first order :</b> Equations solvable by direct integration method -Lagrange's method-char pits method .	6
05	<b>Nonlinear equations of first order:</b> equations of the form $f(p, q) = 0$ – equations of the form $z = px+qy+f(p, q)$ Equations of the form $f(z, p, q) = 0$ – equations of the form $f_1(x, p) = f_2(y, q)$  Homogeneous Linear differential equations with constant co efficient-Non homogeneous Linear differential equations- Equations reducible to Partial differential equations with constant coefficients-Non linear Partial differential equations of Second order- Monge's Method of integrating $Rr+Ss+Tt = V$	6
<b>Total Lecture Hrs.</b>		<b>30</b>

*Ramachandri*  
HoD



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF BASIC SCIENCES

#### Speaker Profile



Name : Mr. A.G.VENKATESWARULU

Designation : Asst. Prof.

Department : BASIC SCIENCES

Contact No. : 8985466167

E-Mail: [hod.english@srecnandyal.edu.in](mailto:hod.english@srecnandyal.edu.in)

Qualification : M.A. (Ph.D)

Experience : 12 Years

#### **Proficiency of the recourse person:**

Mr A.G.Venkateswarulu Asst. Professor in English did her Post Graduation in English from Sri Krishnadevaraya University .He is acting as HoD of English. He is working in SREC since 12 years.



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

### DEPARTMENT OF BASIC SCIENCES

**Online Add on Course on :** A programme on effective communications for academic & professional success

#### Speaker Profile



Name : **Mr. Md. Abdulla**

Designation : Asst. Prof.

Department : BASIC SCIENCES

Contact No. : 8074552911

E-Mail: [abdul.md2010@gmail.com](mailto:abdul.md2010@gmail.com)

Qualification : M.A. (Ph.D)

Experience : 10 Years

#### Proficiency of the recourse person:

Mr Md. Abdulla Asst. Professor in English did her Post Graduation in English from Sri Venkateswara University . He is working in SREC since 2 years.



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

## DEPARTMENT OF BASIC SCIENCES

### Course structure & Schedule

<b>Name of the Course:</b> A course on effective communications for academic & professional success		
<b>Course Code:</b> SREC-BS-Add on/2019-20/03	<b>Programs Eligible:</b> I B.Tech students	<b>Total Hours:</b> 30
<p><b>Objective:</b></p> <p>students will learn the fundamentals of the communication and teamwork skills required in an engineering career. Students will learn how to use the writing process to produce informative and persuasive research papers, email, résumés, cover letters, and presentations. Students will also learn strategies for communicating effectively and persuasively with different audiences, addressing political, ethical, and social issues facing engineers.</p>		
<p><b>Outcome:</b></p> <ul style="list-style-type: none"> <li>• Use the multi-step writing process to plan, draft, and revise reports, correspondence, and presentations.</li> <li>• Use rhetorical and audience analysis strategies to produce persuasive research reports and presentations.</li> <li>• Use research strategies to produce informative and persuasive research reports.</li> <li>• Produce and deliver oral presentations on engineering issues.</li> <li>• Produce effective graphics for documents and presentations.</li> <li>• Use engineering conventions in form, format, and reference citation.</li> <li>• Produce cover letters and résumés and use job application strategies.</li> <li>• Demonstrate effective use of teamwork skills to complete communication tasks.</li> <li>• Demonstrate academic integrity.</li> <li>• Use critical thinking to identify and analyze contemporary political, ethical, and social issues in engineering.</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	1. The Writing Process 1.1 Planning 1.1.1 Purpose and scope 1.1.2 Audience analysis 1.1.3 Form and format conventions	7





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## DEPARTMENT OF BASIC SCIENCES

	1.1.4 Organizing and outlines 1.2 Drafting 1.2.1 Clarity, coherence, and conciseness 1.2.2 Tone 1.2.3 Effective sentences and paragraphs 1.3 Revising 1.3.1 Drafts 1.3.2 Peer review 1.3.3 Final submission	
<b>02</b>	2. Rhetorical principles and strategies 2.1 Audience analysis 2.2 Persuasive correspondence, proposals, and reports	<b>5</b>
<b>03</b>	3. Critical thinking 3.1 Identifying technical, ethical, and social issues in engineering 3.2 Analyzing technical, ethical, and social issues in engineering	<b>5</b>
<b>04</b>	4. Research strategies 4.1 Library resources 4.2 Online resources	<b>2</b>
<b>05</b>	5. Graphics 5.1 Documents 5.2 Oral presentations	<b>2</b>
<b>06</b>	6. Oral presentations 6.1 Informative presentations 6.2 Persuasive presentations 6.3 Presentation aids and graphics.	<b>2</b>
<b>07</b>	7. Job search tools 7.1 Résumés and cover letters 7.2 Online job application tools	<b>2</b>
<b>08</b>	8. Academic integrity 8.1 Citing sources 8.2 Institute of Electrical and Electronics Engineers and American Psychological Association reference citation styles	<b>2</b>
<b>09</b>	9. Teamwork, project management, and professionalism	<b>3</b>
	<b>TOTAL</b>	<b>30</b>



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NH-40, Nandyal-518501: Kurnool Dist. A.P.

## DEPARTMENT OF BASIC SCIENCES

### Course schedule

**Course Name:** "A course on effective communications for academic & professional success" **From** 18-05-2020 to 23-05-2020.

#### DAY-1

TOPIC	DURATION
1.The Writing Process,1.1 Planning.1.1.1 Purpose and scope,1.1.2 Audience analysis.	10:00 to 1:00PM
<b>LUNCH BREAK 1:00 – 2:00PM</b>	
1.1.3 Form and format conventions, 1.1.4 Organizing and outlines,1. 1.2 Drafting,1.2.1 Clarity, coherence, and conciseness,1.2.2 Tone.	2:00 – 4:00PM

#### DAY-2

TOPIC	DURATION
1.2.3 Effective sentences and paragraphs, 1.3 Revising,1.3.1 Drafts,1.3.2 Peer review,1.3.3 Final submission.	10:00 to 1:00PM
<b>LUNCH BREAK 1:00 – 2:00PM</b>	
. 2. Rhetorical principles and strategies 2.1 Audience analysis.	2:00 – 4:00PM

#### DAY-3

TOPIC	DURATION
2.2 Persuasive correspondence, proposals, and reports.	10:00 to 1:00PM
<b>LUNCH BREAK 1:00 – 2:00PM</b>	
3. Critical thinking 3.1 Identifying technical, ethical, and social issues in engineering 3.2 Analyzing technical, ethical, and social issues in engineering	2:00 – 4:00PM



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## Dept of MASTER OF BUSSINESS ADMINISTRATION

Add-on Program on Tally for auditing financial statement



### *Speaker Profile*

Name : **Mr. N RAJSEKHAR**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9849925835

E-Mail: [raju.mba@srecnandyal.edu.in](mailto:raju.mba@srecnandyal.edu.in)


Qualification : M.com, MBA

Experience : 14 Years

Areas of Interest: Finance & Accounting

### **Breif Profile:**

He is M.Com Graduate from Osmania University, done his MBA from JNTU Anantapur affiliated college-Nandyal. He is having more than 14 years of vast teaching experience in PG level and Published more than 11 International/National publication in the reputed Journals. He is an expertise in teaching the subjects of Accounts, Finance and General Management.

  
Principal  
Santhiram Engineering College  
Nandyal

**Name of the Course:** Add-on Program on Tally for auditing financial statement

**Course Code:**

**MBA-01-2019-2020**

**Programs Eligible: MBA**

**Total Hours: 30**

**Objective:**

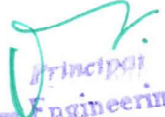
- The Students Get aware of the emerging challenges in ERP Tally .
- This course Provide brief Knowledge about how to be solve Financial Accounting System in this ERP Version.

**Outcome:**

- This course helps students to work with well-known accounting software i.e. Tally ERP.9
- Student will learn to create company, enter accounting voucher entries including advance voucher entries, do reconcile bank statement, do accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software

Unit	Topics Covered	Lect. No
01	Introduction to Basics of Accounting.	02
02	Fundamental Of Tally	03
03	Accounting Master In Tally	04
04	Inventory In Tally	02
05	Voucher entry In Tally	04
06	Advanced Accounting In Tally	04
07	Value Added Tax and Central Sale Tax.	04
08	Service Tax,& Tax Deduction	02
09	Exercise for Dealer and Manufacture	02
10	Payroll Accounting and compliance	03
<b>Total Lecture Hrs.</b>		<b>30</b>

  
HOD-MBA

  
Principal  
Santhirum Engineering College  
NARDYAI



# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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## Dept of MASTER OF BUSSINESS ADMINISTRATION

Add-on Program on ONLINE TRADING



### *Speaker Profile*

Name : **Mr K.Rajendra Prasad**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9908068402

E-Mail: [prasad.mba@srecnandyal.edu.in](mailto:prasad.mba@srecnandyal.edu.in)


Qualification : MBA

Experience : 13 Years

Areas of Interest: Finance & Accounting

### **Brief Profile:**

K Rajendra Prasad Working as Assistant Professor in the Department of MBA SREC, He Completed B.Com., from SK University in the year 2004, MBA(Finance & Marketing) from SK University in the year 2006, and pursuing Ph.D in Yogi Vemana University . He has 13 years vast teaching experience in different colleges. He expertise in Finance subjects.

  
Principal  
Santhiram Engineering College  
NANDYAL



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NH-40, Nandyal - 518501 :: Kurnool Dist. A.P.

## DEPARTMENT OF MBA

**SREC/MBA/SP/2020-06**

**Dt18/02/2020**

### **CIRCULAR**

The Dept of MBA is organizing an **ADD-ON PROGRAM** on **Online Trading** for the students of I year MBA from **24.02.2020 to 28.02.2020**. **MrK Rajendra Prasad**, Asst Prof., Dept of MBA, SREC, is the resource person for this program.


All the interested Students are advised to register their names to the program coordinator **Mr. S Mahaboob Basha**, Asst. Prof, Dept of MBA on or before **22.02.2020**.

  
**Program Coordinator**

  
**HOD-MBA**

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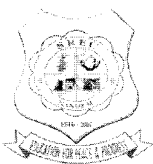
1. The Principal
2. All HODs
3. Department Notice Board

  
**Principal**  
**Santhiram Engineering College**

<b>Name of the Course: Add-on Program on ONLINE TRADING</b>		
<b>Course Code:</b> MBA-02-2019-2020	<b>Programs Eligible: MBA</b>	<b>Total Hours: 30</b>
<b>Program Objectives:</b>		
<ul style="list-style-type: none"> <li>• The Students Get aware of the Fundamental and Technical analyzing.</li> <li>• This course Provide brief Knowledge about how to be Trade the market and investment in stock market</li> </ul>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>• Students will be aware of the importance of sticking to the daily trade routine, trade plan and making sure trade execution is flawless.</li> <li>• Students will develop and be committed to responsible fund management thinking and approaches, which are underpinned by ethical professional practice.</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to financial system in India.	02
02	Introduction to Investment	03
03	Introduction to Trading	04
04	What Is BOLT and NOLT	02
05	Online Trading Vs Offline Trading	04
06	Introduction To Demat Account	04
07	Market Timings	04
08	Fundamental analysis and Technical analysis	02
09	Introduction to India Stock Market, BSE and NSE	02
10	Live session of Trading	03
<b>Total Lecture Hrs.</b>		<b>30</b>

*Shychari*  
HOD, MBA

*Principal*  
Santhiram Engineering College  
S. R. NELLORE



## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

(Approved by AICTE, New Delhi; Permanent Affiliated to JNTU-A, Anantapuramu)  
An ISO 9001:2015 Certified Institution, 2(f) & 12(B) Recognition by UGC Act, 1956  
NH-40, Nandyal-518501: Kurnool Dist. A.P.

### Online Add-on Program on Emerging Trends in Digital Marketing



#### *Speaker Profile*

Name : Mr. Dr P. Sujendra Swami

Designation : Associate Professor

Department : MBA

Contact No. : 9701543789

E-Mail: pallati03@gmail.com

Qualification : MBA, PhD

Experience : 17 Years

Areas of Interest: Digital Marketing

#### **Brief Profile:**

He is a MBA Graduate from Osmania University, done his M.Phil from Annamalai University- Tamilnadu and attained his Ph.D in the area of **Total Quality Management** from JNTU-Hyderabad. He is having more than 14 years of vast teaching experience in PG level and published more than 25 International/ National publications in the reputed journals and also presented his research papers in more than 35 conferences in India and abroad. He is an expertise in teaching the subjects of Marketing, HR, Systems and General Management. He given eminent lectures in various prestigious institutions like NIPER-Hyd, JNTU-Hyd, Osmania University-Hyd, and Agri Extension Manage etc., He is also an expertise at data analysis part by using the software's like SPSS and Minitab etc....



**Name of the Course:** Online Add-on Program on Emerging Trends in Digital Marketing

<b>Course Code:</b> MBA-03-2019-2020	<b>Program(s) Eligible:</b> MBA	<b>Total Hours:</b> 30
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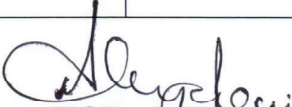
**Objective:**

- Gain experience in developing a 'Digital marketing plan'
- The Students Get aware of the emerging challenges in Digital Marketing.
- This course Provide brief Knowledge about how to be design web site by using word press.
- Gain an understanding of the concept of holistic interaction among all Digital marketing channels

**Outcome:**

- Discuss the evolution of Digital marketing and identify related ethical issues to communicate its impact on businesses.
- The Student Create effective Digital marketing strategies for various types of industries and businesses
- Student Identify the major Digital marketing portals that can be used to promote a company, brand, product, service or person

<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to Digital Marketing Foundation	02
02	Competitor and Website Analysis	03
03	Market Research & Niche Potential	04
04	Website Design using WordPress CMS AND Email Marketing	02
05	Content Creation and Promotion	04
06	Social Media Marketing, Optimization & Advertising	04
07	Mobile Marketing (SMS Marketing)	04
08	GEO Marketing	02
09	YouTube Video Marketing & Advertising	02
10	Affiliate Marketing	03
<b>Total Lecture Hrs.</b>		<b>30</b>

  
HOD - MBA



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NH-40, Nandyal, Kurnool-(Dist).

## Dept of MASTER OF BUSSINESS ADMINISTRATION

### CERTIFICATE PROGRAM

on

### ADVANCED HR CONCEPTS FOR CAREER GROWTH

#### Speaker Profile



Name : **Mr. K Kumar**

Designation : HR Trainer

Contact No. : 9177457715

E-Mail: [kkhr.hr@gmail.com](mailto:kkhr.hr@gmail.com)


Qualification : MBA, HR

Experience : 12 Years

#### **Brief Profile:**

He done his BBA degree, and completed his MBA. He is having more than 12+ years of vast experience as the trainer, Mentor and motivational speaker. He offers the training in the areas of Soft skills, leadership, corporate leadership, cyber security etc. He is also having the association and memberships with Hyderabad Management Association (HMA), Hyderabad Fintech Forum and The Indian Society for Training & Development (ISTD). He given his session in the various reputed universities and colleges like SKU, SVU, Sree Vidyanikethan and many more.

<b>Name of the Course:</b> Certificate Program on Advanced HR Concepts for Career Growth		
<b>Course Code:</b> MBA-04-2019-2020	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
<b>Objective:</b>		
<ul style="list-style-type: none"> <li>To gain the knowledge of HR Analytics in present atmosphere</li> <li>To get aware of emerging challenges in HR analytics</li> </ul>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>The Students has able to understand the Benefits of HR analytics in the Present scenario.</li> <li>The Students analyze the concept of projecting the future job Performance using associative statistics.</li> <li>The student Learnt about how to be projecting the HR cost Using Time Series.</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Sneak Peek to the Human Resource Analytics	02
02	Analyzing the attrition using Descriptive Statistics	03
03	Projecting the Future Job Performance using Associative Statistics	04
04	Predicting the Appraisal on Performance Using Inferential Statistics	02
05	Predicting the HR Cost Using Time Series	04
06	Predicting Employee Salary Using Linear Regression	04
07	Predicting the Probability of Attrition Using Logistic Regression	04
08	Discovering Predictive Statistics - Logistic Regression	02
09	Demonstrating Logistic Regression Using Excel	02
10	Logistic Regression	03
<b>Total Lecture Hrs.</b>		<b>30</b>

  
HOD-MBA



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NH-18, Nandyal – 518501: Kurnool Dist. A.P.

OFFICE OF THE TRAINING & PLACEMENT

### Trainer Profile



### Akash. SG

Full Stack Java Script Trainer

13+ experience in Corporate Training on JAVA8.0,J2EE,HTML 5 , CSS3, jQuery,Angular JS6, Struts 2.x , Hibernate 5, Spring 5 frameworks(All Modules),AJAX ,Weblogic Administration .Handling session Face to Face / Online .Working as interview / job support consultant.

**Java FullStack Trainer**

Freelancer

Aug 2009 – Present 11 years 2 months

Any Location

Can efficiently handle JAVA, J2EE ANGULAR 6, HIBERNATE, SPRING BOOT, SPRING MVC, SPRING DATA, SPRING REST DATA, SPRING MICROSERVICES

## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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SNO	DATE	DAY	TOPICS COVERED	REMARKS
1	30-12-2019	1	EJB Training Course Content Overview	
2	31-12-2019	2	RMI-Remote Method Ivocation	
3	01-01-2020	3	Java Distributed Technology	
4	02-01-2020	4	RMI Architecture	
5	03-01-2020	5	Dynamic / Bootstrap Clients	
6	04-01-2020	6	Object Passing in RMI	
7	05-01-2020	7	DGC	
8	06-01-2020	8	Activation	
9	07-01-2020	9	RMI -IOP	
10	08-01-2020	10	J2EE Introduction J2EE Architecture, Comparison between J2EE&.NET, J2EE Application development roles.	
11	09-01-2020	11	EJB - Enterprise Java Beans	
12	10-01-2020	12	Introduction	
13	11-01-2020	13	Comparison between different Distributed tech (EJB, CORBA, COM/DCOM)	
14	12-01-2020	14		
15	13-01-2020	15	EJB Container, EJB Architecture	
16	14-01-2020	16		
17	15-01-2020	17		
18	16-01-2020	18		
19	17-01-2020	19	Container Managed Security, Stateless Session Bean	
20	18-01-2020	20	Bean Managed Transactions, Statefull Session Bean	
21	19-01-2020	21		
22	20-01-2020	22	Bean Managed Transactions, Bean Managed Entity Bean (Container Managed Entity Bean, Bean Managed Security)	
23	21-01-2020	23	Container Managed Transactions, Container Managed Security	
24	22-01-2020	24	Clusters	
25	23-01-2020	25	Using JDBC Connection Pool in EJB	
26	24-01-2020	26	EJB 2.0, EJB 2.1	
27	25-01-2020	27	Local Enterprise Beans	
28	26-01-2020	28		
29	27-01-2020	29	EJBQL - EJB Query Language, CMP2.0 model - Container Managed Persistency,	
30	28-01-2020	30	EJB Select Methods,	
31	29-01-2020	31	Timer Service, Web services Support to SLSB	<b>2266</b>



**About abhishek:**

- I have been “one of you” for 3 years. I understand the IT world and world of professional training in educational and industry domain.
- I have already reached thousands of students ( from school level to corporate level) around the world and planted the seeds of Python Programming Language for themselves and their organization.
- I have been developed an unique pedagogy to deliver the concept efficiently with full potential.

Workshops and Guest Lectures Delivered (Recent):

- Indian Institute of Technology, Kanpur, Uttar Pradesh
- Jagan Institute of Management Studies, Delhi
- Coldfusion Venture Partners Pvt. Ltd., Delhi
- Online training for various corporate people across the world ( online )

Development Contribution:

- Developed Custom Searching (with optimized data structure) for Django Applications
- Developed Recommendation System for suggesting items to users , based on their behaviour on portal
- Data analytics for various business predictions

Area of Interest:

- Web Application Development using Django
- Solving Machine Learning problems with Python
- Implementation of Mathematics theories using Python (illustration of visual implementation )
- Scientific programming in Python
- Improving User experience by integration of AngularJS with Django Applications



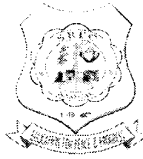
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### DEPARTMENT OF TRAINING & PLACEMENT CELL

#### One Week Certification Programme On PYTHON By TALENTIO HYDERABAD 17-02-2020 to 23-02-2020

DATE	HOOR	TOPICS COVERED
17-02-2020	10.00AM TO 11:10AM	Python Course Content
		Core Python
		Introduction to Languages
	11:10AM TO 11:30AM	TEA BREAK
		What is Language?
	11:30 AM TO 1:10PM	Types of languages
		Introduction to Translators
		LUNCH BREAK
	1:10PM TO 2:20PM	Compiler
		Interpreter
What is Scripting Language?		
18-02-2020	10.00AM TO 11:10AM	Types of Script
		Programming Languages v/s Scripting Languages
		Difference between Scripting and Programming languages
	11:10AM TO 11:30AM	TEA BREAK
		What is programming paradigm?
	11:30 AM TO 1:10PM	Procedural programming paradigm
		LUNCH BREAK
	2:20 PM TO 5:00PM	Object Oriented Programming paradigm
		<b>Introduction to Python</b>
		What is Python?
WHY PYTHON?		
History		
19-02-2020	10.00AM TO 11:10AM	Features – Dynamic, Interpreted, Object oriented, Embeddable, Extensible, Large standard libraries, Free and Open source
		Why Python is General Language?
		Limitations of Python
		TEA BREAK
	11:10AM TO 11:30AM	What is PSF?
		Python implementations
	11:30 AM TO 1:10PM	LUNCH BREAK
		LUNCH BREAK

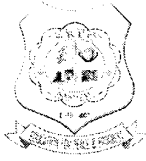


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**DEPARTMENT OF TRAINING & PLACEMENT CELL**

	2:20PM	
	2:20 PM TO 5:00PM	Python applications
		Python versions
		PYTHON IN REALTIME INDUSTRY
	10.00AM TO 11:10AM	Difference between Python 2.x and 3.x
		Difference between Python 3.7 and 3.8
		Software Development Architectures
	11:10AM TO 11:30AM	TEA BREAK
	11:30 AM TO 1:10PM	<b>Python Software's</b>
		Python Distributions
	1:10PM TO 2:20PM	LUNH BREAK
	2:20 PM TO 5:00PM	Download & Python Installation Process in Windows, Unix, Linux and Mac
		Online Python IDLE
		Python Real-time IDEs like Spyder, Jupyter Note Book, PyCharm, Rodeo, Visual Studio Code, ATOM, PyDevetc
		<b>Python Language Fundamentals</b>
	10.00AM TO 11:10AM	Python Implementation Alternatives/Flavors
		Keywords
		Identifiers
	11:10AM TO 11:30AM	TEA BREAK
	11:30 AM TO 1:10PM	Constants / Literals
		Data types
		Python VS JAVA
	1:10PM TO 2:20PM	LUNCH BREAK
	2:20 PM TO 5:00PM	Python Syntax
		<b>Different Modes of Python</b>
		Interactive Mode
		Scripting Mode
	10.00AM TO 11:10AM	Programming Elements
		Structure of Python program
	11:10AM TO 11:30AM	
	11:30 AM	First Python Application
20-02-2020		
21-02-2020		
22-02-2020		





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**DEPARTMENT OF TRAINING & PLACEMENT CELL**

	TO1:10PM	Comments in Python
	1:10PM TO 2:20PM	LUNCH BREAK
	2:20 PM TO 5:00PM	Python file extensions
		Setting Path in Windows
		Edit and Run python program without IDE
		Edit and Run python program using IDEs
23-02-2020	10:00 AM TO 12:30PM	INSIDE PYTHON
		Programmers View of Interpreter
	1:00 PM TO 2:20 PM	LUNCH BREAK
	2:20 PM TO 4:20 PM	Inside INTERPRETER
		What is Byte Code in PYTHON?
		Python Debugger, VALEDICTORY



Program Coordinator

TPO

## ABOUT THE COLLEGE

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal, under the guidance of Dr. M. Santhiramudu (chairman of RGM group of Educational Institutions) in the year 2007 at Nerawada cross road on NH-18 with a motto of "Education for Peace & Progress".

### VISION

To provide value based Education in Technical field.

To become a Self Sustained University.

### MISSION

To establish Postgraduate Programs in Advanced Technologies

To establish an effective R&D consultancy cell.

To develop Industry Institution Interaction.

To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE & CSI etc.

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is offering UG program from the year 2007 with an intake of 60 Students to meet the growing demand for qualified technical personnel in the field of Electrical & Electronics Engineering. Department has a strength of continuous upgrading of infrastructure & laboratory facilities. The Department is having well qualified, dedicated and rich experienced faculty to enrich new concepts in students and develop their knowledge.

### VISION:

Transform knowledge seekers to globally competent professionals in Electrical and Electronics Engineering.

### MISSION:

**M1:** To produce technically proficient Electrical Engineers by imparting sound technical and practical knowledge.

**M2:** Centre of superiority in education and research in the field of Electrical and Electronics Engineering.

**M3:** To provide highest quality education through qualified and dedicated faculties in Electrical and allied Engineering.

**M4:** To develop technical and professional skills along with work ethics to fulfill the needs of Industry and Society.

## ONE WEEK ADD-ON PROGRAM

On

**ELECTRICAL VEHICLES INTEGRATED  
WITH RENEWABLE ENERGY SOURCES**

### REGISTRATION FORM

Name :

College :

Address for Correspondence:

Contact Phone Nos:

E-mail ID :

Registration Details:

D.D. No. :

Bank Name & Branch:

Signature of the candidate:

### CERTIFICATE

This is to certify that, the above member is/are bonofide student(s) of our institution and the information given is correct

Place:

Date:

Signature with seal

Head of Department/ Institution

**Chief Patron**

**.M.Santhiramudu** – Chairman

**Patron**

**.M.Sivaram** – Managing Director

**Convener**

**.M.V.Subramanyam** – Principal

**Co-Convener**

**.M.Siva Sankar** – HEEED

**Technical Advisory Committee**

**. D. V. Ashok Kumar**

Dean, RGM CET, Nandyal

**. T. Vinay Kumar**

Professor, NIIT, Warangal

**. V. Nagabhaskar Reddy**

Professor, HOD, RGM CET

**. Sathish Gopi Shetty**

Professor, GPREC, Kurnool

**Coordinator**

**.S.SEETHARAMUDU** – Asst.Prof.

**Organizing Committee**

**Mr.U.M.S.Kumar** – Asst.Prof.

**Mr.M.Y.Veeresh**– Asst.Prof.

**Mr.K.Rajasekhara Reddy** – Asst.Prof.

**Mr.A.R.Prasad** – Asst.Prof.

**Mr.V.Ramanjaneyulu** – Asst.Prof.

**Ms.R.Sujatha** – Asst.Prof.

**Mr.N.V.S. Prasad** – Asst.Prof.

**RESOURCE PERSON**

**Mr.M.Y.Veeresh**

**Assistant Professor, Dept.of EEE**

**Santhiram Engineering Colleg**

**TOPICS TO BE COVERED**

- Electrification Challenge and opportunites.
- Drivers of Electric Vehicles.
- Deploying charging infrastructure and Importance Load management.
- Benefits of Electric Vehicles as grid supply.
- Possible roles for utilities in EV charging.

**ABOUT THE PROGRAM**

Electric vehicles (EVs), the prominent distributed energy sources (DER) can act as important ancillary services which can be used to balance the grid demand and supply during peak time. EVs provide economic benefits with required energy demand. EVs can reduce the emission of toxic gases into the environment and demand for oil resources. To bring the new technologies and intelligent controls into existing, the integration of EVs with renewable energy sources (RES) and grid plays an important role. This new improvements are making capable of machine learning and optimization techniques into reality. EVs with bi-directional battery storage capability can be connected to the grid and for many other specific applications, which are called as gridable EVs (GEVs).

**CONTACT US**

**Mr.S.SEETHARAMUDU**

**Coordinator**

**Assistant Professor, Dept.of EEE, SREC**

**Ph: 7660002646**

**Email Id:**

**seetharamudu.eee@srecnandyal.edu.in**

**ONE WEEK ADD-ON PROGRAM**

**On**

**ELECTRICAL VEHICLES**

**INTEGRATED WITH RENEWABLE**

**ENERGY SOURCES**

**ON**

**Date: 01-02-2021 to 06-02-2021**

**Organized by**

**Department of**

**ELECTRICAL & ELECTRONICS**

**ENGINEERING**

**In Association With**

**IE(I) & ISTE STUDENTS CHAPTERS**

**OF SREC**



**SANTHIRAM**

**ENGINEERING COLLEGE**

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**An ISO 9001:2015 Certified Institution,**

**2(f) & 12(B) Recognition by UGC Act, 1956**

**NH-40, Nandyal-518501: Kurnool Dist., A.P.**

**PRINCIPAL**

**Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P**

**Chief Patron**

M.Santhiramudu – Chairman

**Patron**

M.Sivaram – Managing Director

**Convener**

M.V.Subramanyam – Principal

**Co-Convener**

M.Siva Sankar – HEEED

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T. Vinay Kumar

Professor, NIIT, Warangal

V. Nagabhaskar Reddy

Professor, HOD, RGM CET

Sathish Gopi Shetty

Professor, GPREC, Kurnool

**Coordinator**

A.Raghavendra Prasad – Asst.Prof.

**Organizing Committee**

Mr.U.M.S.Kumar – Asst.Prof.

Mr.M.Y.Veeresh – Asst.Prof.

Mr.S.Seetharamudu – Asst.Prof.

Mr.A.R.Prasad – Asst.Prof.

Mr.V.Ramanjaneyulu – Asst.Prof.

Ms.R.Sujatha – Asst.Prof.

Mr.N.V.S. Prasad – Asst.Prof.

**RESOURCE PERSON**

**Mr.K.Rajasekhra Reddy**

Assistant Professor, Dept.of EEE

Santhiram Engineering Colleg

**TOPICS TO BE COVERED**

- Introduction to Advanced Power Electronics and Grids.
- Optimize use electricity and utility grid applications.
- Demand of Smart Grid Technology.
- Basic methods of FACTS Power Technology.
- Mixture of Photo voltaic Energy and Wind Energy Storage Applications.
- Conducive to the practical application of smart grid distribution

**CONTACT US**

Mr.A.RAGHAVENDRA PRASAD

Coordinator

Assistant Professor

Dept.of EEE, SREC

Ph: 9949042050

Email Id:

raghavendra.eee@srecnandyal.edu.in

**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool (Dt.), A.P

**ONE WEEK ADD-ON PROGRAM**

**On**

**APPLICATION OF ADVANCED**

**POWER ELECTRONIC**

**TECHNOLOGY IN SMART GRID**

**ON**

**Date: 02-11-2020 to 07-11-2020**

**Organized by**

**Department of**

**ELECTRICAL & ELECTRONICS**

**ENGINEERING**

**In Association With**

**IE(I) & ISTE STUDENTS CHAPTERS**

**OF SREC**



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**ENGINEERING COLLEGE**

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### ABOUT THE COLLEGE

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To become a Self Sustained University.

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To establish Postgraduate Programs in Advanced Technologies

To establish an effective R&D consultancy cell.

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**M3:** To provide highest quality education through qualified and dedicated faculties in Electrical and allied Engineering.

**M4:** To develop technical and professional skills along with work ethics to fulfill the needs of Industry and Society.

#### ABOUT THE PROGRAM

The main objective of this course is to the continuous development of society, in the power system, the smart grid is also moving in the direction of digitization, automation and information. In the smart grid, the application of advanced power electronics technology is of great significance and can greatly improve the operational safety and operational efficiency of the smart grid. This program gives analysis of the demand for power electronics technology in the development of smart grids, and then studies the application of advanced power electronics technology in smart grids

### ONE WEEK ADD-ON PROGRAM

**On**

## **APPLICATION OF ADVANCED POWER ELECTRONIC TECHNOLOGY IN SMART GRID**

### REGISTRATION FORM

**Name :**

**College :**

**Address for Correspondence:**

**Contact Phone Nos:**

**E-mail ID :**

**Registration Details:**

**D.D. No. :**

**Bank Name & Branch:**

**Signature of the candidate:**

#### CERTIFICATE

**This is to certify that, the above member is/are bonofide student(s) of our institution and the information given is correct**

**Place:**

**Date:**

**Signature with seal**

**Head of Department/ Institution**

PRINCIPAL  
Santhiram Engineering College  
Kurnool(DL), A.P.

ORGANIZING COMMITTEE

**Chief Patron:**

Dr. M. Shanthiramudu,  
Chairman, RGM Group of Institutions,

**Patron:**

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

**Convener:**

Dr. M.V. Subramanyam,  
Principal, SREC.

**Co-Convener:**

Dr. Ramesh Raju professor,  
HOD of ME Dept.

**Coordinator:**

Mr. S.MD YOUNUS – Asst Prof., Dept of ME

**Staff of Organizing Committee:**

Mr. M. Ravichandra, Asst. Prof  
Mr. P. Madhuraghava Asst. Prof.  
Mr. P. Nagaraju, Asst. Prof.  
Mr. Syed Kwaja Moinuddin, Asst. Prof  
Mr. K. L. Srinivasulu, Asst. Prof

**Student Coordinators:**

1. MULLA VASEEM BASHA - II B.Tech
2. SANDAGIRI SREE HARSHA - II B.Tech
3. SHAIK ABBU BAKAR SIDDIK - II B.Tech
4. S.Chandh basha - II B.Tech
5. SYED AFREED - II B.Tech

REGISTRATION FORM

1. Name of the faculty:

2. Department:

3. Name of the College:

4. Mobile No:

5. Email ID:

6. Address:

CERTIFICATE

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

Place:

Date:

Signature of the Principal  
Santhiram Engineering College  
Nandyal, Kurnool (Dt.), A.P

SANTHIRAM ENGINEERING COLLEGE  
NANDYAL

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NH-40, Nandyal – 518501 :: Kurnool Dist. A.P.



A One Week Add on Program  
on  
Modeling of Mechanical Components  
by Using AutoCAD

From  
14/12/2020 to 19/12/2020

Organized by  
Mechanical Department

## ABOUT SREC:

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It 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 boundless energy of Er. M. Sivaram, Managing Director and Dr. M. V. Subramanyam, Principal of the college, are the source of inspiration to our faculties and students. SREC is permanently affiliated to Jawaharlal Nehru Technical University, Anantapuramu and provides an excellent value based technical education by keeping the overall growth and development of students in mind.

### **Vision**

- To provide value based Education in technical field.
- To become a self sustained University.

### **Mission**

- To establish postgraduate programs in advanced technologies
- To establish an effective R&D consultancy cell.
- To develop Industry Institution Interaction.
- To achieve 100% results and placements.

The college has achieved different State & University ranks right from beginning

## ABOUT DEPARTMENT:

The Department of Mechanical Engineering (ME) is offering a UG Program in B.Tech from the year 2011 with an intake of 60 students and it was increased to 120 in 2014 to meet the growing demand for qualified technical personnel in the field of Mechanical Engineering. The Department's strength is constantly upgrading infrastructure & Laboratory facilities. The department has well qualified, dedicated and experienced faculty. A conducive environment exists in the Department for both students and staff. Quality technical education is provided to the students in the core areas of the field to meet the challenges of globalization.

### ABOUT THE PROGRAME:

Program on AutoCAD is a branch of CAD. Computers are used to perform the design and development of cad based drawings.

Ongoing research yields software the Modelling and editing of 2D & 3D Models parametric by using **AUTOCAD** software to stay current with today's trends.

### **Contents to be covered:**

- Introduction to Drawing
- Engineering Drawing & Benefits of CAD
- Software History
- Benefits of Implementing CAD in AutoCAD Software
- Explanation of software interface
- New file creation & saving the completed drawing.

## RESOURCE PERSONS:

**Mr. P. NAGARAJU**, Asst. Prof. /ME,  
Assistant Professor of Mechanical Engineering  
in **SANTHIRAM ENGINEERING COLLEGE**  
**NANDYAL-518501, Kurnool Dist. AP**

### HOW TO REACH US:

Santhiram Engineering College is situated on NH-40, Nandyal-Kurnool Road. It is 12kms away from Nandyal and 72kms from Kurnool. Nearest Railway Station is Panaym, which is 5kms away from college.

### CONTACT DETAILS:

For further details/information, please feel free to contact the Program Co-coordinator, or the Co-convener.

### **Program Coordinator:**

Mr. P.Madhuraghava – Asst Prof., Dept of ME  
Email ID: [madhuraghava.me.srec@gmail.com](mailto:madhuraghava.me.srec@gmail.com)

### **Co-convener of the Program:**

Dr. Ramesh Raju professor, HOD of ME Dept.  
Email ID: [hod.mech@srecnandyal.edu.in](mailto:hod.mech@srecnandyal.edu.in)

**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P

ORGANIZING COMMITTEE

**Chief Patron:**

Dr. M. Shanthiramudu,  
Chairman, RGM Group of Institutions,

**Patron:**

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

**Convener:**

Dr. M.V. Subramanyam,  
Principal, SREC.

**Co-Convener:**

Dr. Ramesh Raju professor,  
HOD of ME Dept.

**Coordinator:**

Mr. S.MD YOUNUS – Asst Prof., Dept of ME

**Staff of Organizing Committee:**

Mr. M. Ravichandra, Asst. Prof  
Mr. P. Madhuraghava Asst. Prof.  
Mr. P. Nagaraju, Asst. Prof.  
Mr. Syed Kwaja Moinuddin, Asst. Prof  
Mr. K. L. Srinivasulu, Asst. Prof

**Student Coordinators:**

1. PINJARI MOULALI - III B.Tech
2. SHAIK IBRAHIM - III B.Tech
3. TELUGU MUNISWAMY - III B.Tech
4. S.B. MAHAMOOD BASHA - III B.Tech

REGISTRATION FORM

1. Name of the faculty:

2. Department:

3. Name of the College:

4. Mobile No:

5. Email ID:

6. Address:

CERTIFICATE

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

Place:

Date:

Signature of the Principal

PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P

SANTHIRAM ENGINEERING COLLEGE  
NANDYAL

An ISO 9001:2008 Certified Institution,  
2(f) & 12(B) recognition by UGC Act, 1956.  
Approved by AICTE, New Delhi: Affiliated to JNTU  
NH-40, Nandyal – 518501 :: Kurnool Dist. A.P.



**A One Week Add on Program  
on  
Product Design and Drafting  
by CATIA**

From  
08/02/2021 TO 13/02/2021.

Organized by  
Mechanical Department



## BOU SREC:

Santhiram Engineering College (SREC) is sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It 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 boundless energy of Er. M. Sivaram, Managing Director and Dr. M. V. Subramanyam, Principal of the college, are the source of inspiration to our faculties and students. SREC is permanently affiliated to Jawaharlal Nehru Technical University, Anantapuramu and provides an excellent value based technical education by keeping the overall growth and development of students in mind.

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- To achieve 100% results and placements.

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## ABOUT THE PROGRAME:

Program on CATIA Software is a branch of CAD. Introduction to software and application criteria in industries. Introduction to various domains in Catia Software. Software interface and drawing considerations, to perform the design and development of cad based drawings.

Ongoing research yields software the Modelling and editing of 2D & 3D Models parametric by using CATIA software to stay current with today's trends.

### **Contents to be covered:**

- Introduction to CATIA software & Interface of the software
- Introduction to sketcher workbench, sketch creation, modifications, constraining
- Introduction to part design, creating 3d models from 2d sketches.

## RESOURCE PERSONS:

**Mr. P. NAGARAJU**, Asst. Prof. /ME,  
Assistant Professor of Mechanical Engineering  
in **SANTHIRAM ENGINEERING COLLEGE**  
**NANDYAL-518501, Kurnool Dist. AP**

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### **Program Coordinator:**

Mr. M.Ravichandra – Asst Prof., Dept of ME  
Email ID: [ravichandra.me.srec@gmail.com](mailto:ravichandra.me.srec@gmail.com)

### **Co-convener of the Program:**

Dr. Ramesh Raju professor, HOD of ME Dept.  
Email ID: [hod.me@srecnandyal.edu.in](mailto:hod.me@srecnandyal.edu.in)

PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool (Dt.) A.P.

## REGISTRATION FORM

One-Week Online Certificate  
Program on  
“VLSI Design and Testing Using EDA  
Tools”  
(17-22 May 2021)

Name :  
Designation/Year :  
Dept./ Branch :  
College :  
Addressfor :  
Correspondence :  
ContactPhoneNos. :  
E-mailID :  
Registration Fee : FREE

### Registration Link

All the III & IV B. Tech ECE students from SREC are eligible to apply for this program. There is no registration fee. We accept only online registrations. No hard copy submission is required. Fill the details in link provided below.

<https://forms.gle/wUa9vda5zSHRjPiLA>

## ORGANIZING COMMITTEE

### CHIEF PATRON:

DR. M. SANTHIRAMUDU, Chairman, SREC

### PATRON:

ER. M. SIVARAM, Managing Director, SREC

### CONVENER

DR. M. V. SUBRAMANYAM, Principal, SREC

### COCONVENER

Dr. Y. MALLIKARJUNA RAO  
Head of the Department of ECE, SREC

### RESOURCE PERSON

Mr. R. Sainadh Reddy,  
VLSI Verification Engineer

Dr. T. Tirupal,  
Associate Professor, GPCET, Kurnool.

### Coordinator:

Mr. S. Munawwar  
Assistant Professor  
Student Coordinators:

Mr. DUDEKULA MAHAMMAD

Miss. BALLARI PUSHPALATHA

Miss. BOYAPALLI GAYATRI

### Address for correspondence:

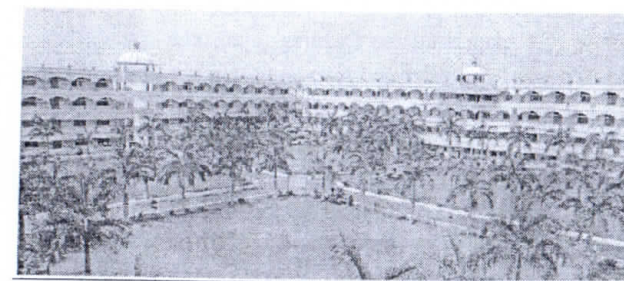
The Convener,  
Santhiram Engineering College  
NH-40, Nandyal - 518501, Kurnool (Dist.)

PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool (Dt.), A.P.

## One-Week Online Certificate Program On “VLSI Design and Testing Using EDA Tools”



17-22 May 2021



Organize by  
Department of Electronics and Communication  
Engineering  
In Association with

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



EWB Student Chapter, SREC  
SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA, Ananthapuramu,  
An ISO 9001:2015 Certified Institution  
Recognized under 2 (f) & 12 (B) of the UGC ACT, 1956  
NH-40, Nandyal - 518501:: Kurnool Dist. A.P.  
Visit us @ [www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)

## ABOUT THE COLLEGE

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shirdi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M. Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurnool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2008 certificate.

## ABOUT THE DEPARTMENT

The department was established in the year 2007 with an intake of 60. The department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The university Pratibha awards, the highest scores in graduation levels and campus placements achieved by students are the indicators of the aspiration of the department. At present intake of the department is 120 in B. Tech programme. The department is also offering one PG Programmes VLSI as specialization. The department has well equipped laboratories with state of the art infrastructure. The department has close association with industry and academia, resulted in the establishment. The Dept is having fully experienced dedicated and committed faculty as asset.

## ABOUT THE PROGRAM

Primary objective of this program is to provide hands on experience in Digital VLSI using FPGA board. During this program our focus will be on practical realization of digital circuits using XILINX and become aware of current state-of art in industry in this domain. This program gives Knowledge and understanding of fundamental recent trends in FPGA technologies and identifying and understanding open problems and challenges and Basic awareness of ASIC design, full custom design flow, spice net list, spice models and analysis, layer map file, DRC and LVS rule layout design.

### PROGRAM CONTENT:

#### *Session 1:*

Why VLSI

Opportunities in VLSI industry

#### *Session 2:*

Getting started with RPI Basic generic board  
Programming Styles in VLSI

#### *Session 3:*

Introduction Behavioral Modeling, Data Flow Modeling  
Gate level Modeling, Switch Level Modeling.

#### *Session 4:*

Introduction to XILINX Software.  
Writing Programming in XILINX Software

#### *Session 5:*

Circuit Simulation & Synthesis.

#### *Session 6:*

Introduction to FPGA Kits.

Dump Program in FPGA Kits using XILINX Software.

#### *Session 7:*

Introduction to VLSI Back End Design.  
Custom IC Design

#### *Session 8:*

Need For ASIC

Introduction to Cadence Software.

#### *Session 9:*

Design of Circuit Using Physical Design.  
Verification of output wave forms.

#### *Session 10:*

Calculating Power & Delay of the circuit  
Layout Design of Circuit.  
Verification of DRC & LVS.

#### *Session 11:*

Parasitic Extraction  
Generation GDS II File.  
Other Tools Available for VLSI Back End Design.

### ELIGIBILITY:

III & IV B. Tech ECE students from host institutions can attend. Total number of participants is limited to 200. Therefore, early registration is highly recommended.

### Venue: Online

<https://forms.gle/wUa9vda5zSHRjPiLA>

The Department of ECE,  
SREC, Nandyal 518501, AP, India



# SANTHIRAM ENGINEERING COLLEGE

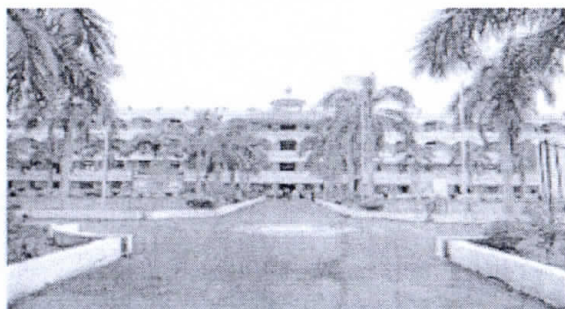
One Week Add-on Program on

## Simulation of Digital Circuits using Logisim

From 25-01-2021 to 31-01-2021.

### 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.

### ABOUT PROGRAM

The objective of this FDP is to bring together ECE students to discuss the recent trends in the area of digital logic Design. This program also aims to discuss and explore the key issues to be taken up by the participants. This will enrich knowledge of the students to update them. Also, it will bridge the gap between academia and the need of the industry.

### RESOURCE PERSONS

1. Dr.Y. Mallikarjunar Rao  
HOD of ECE department.
2. Mr. N. Sreenivasa Rao  
Asst. Prof.

### CONTENTS OF THE PROGRAM

- Overview of logic gates
- Introduction to combinational and sequential circuits
- Construction of adders, subtractors, multipliers etc
- Construction of registers, counters etc

Santhiram Engineering  
College,  
NH- 18, Nandyal – 518501  
Kurnool Dist, A.P  
[www.srecnandyal.edu.in](http://www.srecnandyal.edu.in)  
Ph.No. 08514-4276201

PRINCIPAL

Santhiram Engineering College  
Nandyal, Kurnool (D.T.) A.P.

Approved by AICTE, New Delhi Permanently

An ISO 9001:2015 Certified Institution Recognized under 2 (A) & 12 (B) of the UGC ACT, 1956





# SANTHIRAM ENGINEERING COLLEGE

One Week Add-on Program on

## Simulation of Digital Circuits using Logisim

From 25-01-2021 to 31-01-2021.

ELIGIBILITY : ECE students  
REGISTRATION FEE : No Registration fee

### APPLICATION FORM

### ORGANIZING 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.  
Co-Convener  
Mr. Y. Mallikarjuna Rao,  
Assistant Professor & HoD  
Program Coordinator  
Ms. C. Sreevani, Assistant Professor  
Organising Team  
Dr. S. Venkatesan, Professor  
Dr. A. Vinoth, Professor  
Mr S. Munawwar, Assistant Professor  
Mr S. Abdul Malik, Assistant Professor  
Mr M. Mohan Reddy, Assistant Professor  
Mr S. Ram Babu, Assistant Professor  
Student Coordinators  
Ms. D. Mounika -III ECE  
Mr. C. Rajesh -III ECE  
Mr. K. Kishore Kumar -III ECE

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

### Certificate

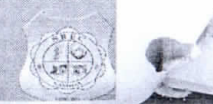
This is to certify that the above member is the faculty of our institution & information is given by him/her is correct.

Place:

Date:

Signature of the Principal/HoD

  
PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P



A one week Certification Programme  
On  
**Advanced Coding  
Techniques**

**06<sup>th</sup> Jan – 12<sup>th</sup> Jan, 2021**

REGISTRATION FORM

Name: Prof/Dr/Mr/Ms \_\_\_\_\_

Designation: \_\_\_\_\_

e-Mail: \_\_\_\_\_

Cell No: \_\_\_\_\_

Name of the Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Registration Fee: \_\_\_\_\_

D.D. No: \_\_\_\_\_ Date: \_\_\_\_\_

Name of the Bank: \_\_\_\_\_

Place: \_\_\_\_\_ Signature

Date: \_\_\_\_\_

(Photocopies of registration form are acceptable)

**ORGANIZING COMMITTEE**

**Chief Patron**

**Dr. M. Santhi Ramudu.** Chairman

**Patron**

**Sri. M. Sivaram.** Managing Director

**Chief Co-Ordinator**

**Dr. M.V.SUBRAMNYAM.** Principal

**Convener**

**K.KISHORE NAIDU.** Asst. Professor, SREC,

**Staff Co-Ordinators**

**Mr.P.BHASKAR.** ASST.PROFESSOR, CSE

**Mr.K.V.SAIPHANI.** ASST.PROFESSOR, CSE


**Mr.G.VARAPRASAD.** ASST.PROFESSOR, CSE

**Student Co-Ordinators**

**Mr. A.Hemanth Kumar** CSE

**Mr. A. Prudvi Maruthi** CSE

**Ms.S.Mubeena** CSE

  
**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P

**Santhiram Engineering College**

Approved by AICTE, New Delhi,

ISO-9001-2015 CERTIFIED

Affiliated to JNTU Anantapur, Nandyal-518501

Kurnool (Dist)-A.P.

Ph: 08514-275206, 205, Fax: 275126



DEPARTMENT OF  
TRAINING&PLACEMENT

Organizes

A One week Certification Programme  
On  
**Advanced Coding Techniques**  
in

**Association with Talentio**

**06<sup>th</sup> Jan – 12<sup>th</sup> Jan, 2021**

Venue:

**Gallery Hall, SREC**

VISIT US AT

[www.sreknandyal.edu.in](http://www.sreknandyal.edu.in)

### **ABOUT SREC.**

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#### **VISION**

- To provide value based Education in Technical field.
  - To become a Self-Sustained University
- #### **MISSION**
- To establish Postgraduate Programs in Advanced Technologies
  - To establish an effective R&D consultancy cell.
  - To develop Industry Institution Interaction.
  - To achieve 100% results and placements.

The college has achieved various State & University ranks right from beginning of the college. College is functioning with different professional Students Chapter like IE (I), ISTE, CSI & IEEE etc.

#### **COURSES OFFERED**

The institute is offering 04 UG Engineering and Technology (Bachelor of Technology) courses and 02 PG Engineering courses (Master of Technology) apart from Master of Business Administration (MBA) JNT University, Anantapur. The intake of institute per annum is 490.

### **ABOUT THE DEPARTMENT**

The Placement Cell plays a crucial role in locating job opportunities for Under Graduates and Post Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments. The Placement Cell operates round the year to facilitate contacts between companies and graduates. The number of students placed through the campus interviews is continuously rising. On invitation, many reputed industries visit the institute to conduct interviews

### **ABOUT PROGRAMME**

Advanced coding techniques are very important for the students for getting placements in MNC's, hence this program is helpful to the student's to learn coding techniques in advance. This program covers control statements, scenario based control statements, functions, arrays, strings graphical representation.

#### **TOPICS TO BE COVERED:**

- Scenario Based on Control Statements
- Control statements
- Scenario Based on Functions and Recursions Functions
- Arrays, Scenario Based on Arrays
- Strings, Scenario Based on Strings
- Scenario Based on Arrays and Strings

  
**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P

#### **Resource Person:**

**Mr. ANIRUDH**

**Technical Experts** from Talentio Hyderabad

**Eligibility:** This One week Certification Program is for CSE, ECE, EEE IV YEAR STUDENTS ONLY from SREC.

#### **Important Dates**

Last Date for Registrations of applications: 31<sup>st</sup> Dec, 2021

#### **For Details Contact**

**K.KISHORE NAIDU ,  
PLACEMENT OFFICER ,  
SANTHIRAM ENGINEERING COLLEGE  
Nandyal-518501, Kurnool (Dist)-A.P**

#### **VISIT US AT**

[www.srecnandyal.edu.in](http://www.srecnandyal.edu.in).

# REGISTRATION FORM

1. Name: -----
2. Branch: .....
3. College.....
4. Contact Phone No .....
5. Address for Correspondence.....

Phone \_\_\_\_\_ fax \_\_\_\_\_

E-Mail ID \_\_\_\_\_

## Signature of the Participant

Certified that the above information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co- Convenor

Mr. B.Seshiah , Head, Dept. of BS

## Coordinator

Dr.A.P.Linga Swamy Assoc.Prof

## Recourse Person

Prof. R.Ramakrishna Reddy

## Organizing Committee

Mr.A.C.Linga Swamy , Asst. Prof

Mr. A.Chand Basha, Asst. Prof

Dr.A.Siva kamesh , Asst.Prof

  
PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P

“SOLID STATE PHYSICS”

From 22.03.2021 to 27.03.2021



Organized By

Department

Of

Basic Sciences

SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA,

Anantapuramu

An ISO 9001:2015 certified institution

NH-40, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh



## About the college

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### Vision

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

### Mission

To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

1. To establish postgraduate programs in the current and Advanced Technologies.
2. To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.

To propel every individual, realize and act for the technical development of the society.

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory set-ups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: • Engineering Physics • Engineering Chemistry • Mathematics • English Language and Communication

## About the Facilities

- Well qualified ,dedicated &rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

Solid-state physics refers to that branch of physics that deals with the study of solid matter that is rigid. It is done through an assortment of techniques including quantum mechanics, electromagnetism, metallurgy, and crystallography and structures the theoretical foundation of materials science. It tends to be defined as:

The solids or rigid matters are studied through techniques, for example, quantum mechanics crystallography, electromagnetism, and metallurgy.

Various functions performed by them can characterize solid-state physics. The fundamental purpose of solid-state physics is to concentrate on how the atomic properties of a solid material influence its general and overall properties. It didn't develop as a different field of study until the 1940s, even though researchers have studied the properties of solids for quite a long time.

## Registration

The Participants can contact Mr. J.Seshaphani Assistant Professor of Chemistry for Registration.

## RESOURCE PERSON

Prof.R.Ramakrishna Reddy  
S.K.Univeristy

**SANTHIRAM ENGINEERING COLLEGE**  
**NANDYAL-518501, Kurnool Dist.**  
**Andhra Pradesh**

PRINCIPAL

Santhiram Engineering College  
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E-Mail ID \_\_\_\_\_

**Signature of the Participant**

Certified that the above information is true to the best of my knowledge and applicants is authorised to attend

Signature of the Principal / HOD

## Chief Patron

Dr. M. Santhiramudu

## Patron

Er. M. Siva ram

## Convenor

Dr. M.V. Subramanyam, Principal

## Co- Convenor

Mr. B.Seshiah , Head, Dept. of BS

## Coordinator and Recourse Person

Dr.M. Swarna Kumari

## Organizing Committee

Ms.R.Rama Devi , Asst. Prof

Mr.j.Sesha phani , Asst. Prof

Mr. A.G.Venkateswarulu, Asst. Prof

Mrs.A.Sailaja , Asst.Prof

  
PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P

“STEREOCHEMISTRY”

From 05<sup>th</sup> April 2021 to 10<sup>th</sup>

April 2021



Organized By

Department

Of

Basic Sciences

SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi

Permanently Affiliated to JNTUA,

Anantapuramu

An ISO 9001:2015 certified institution

NH-40, NANDYAL-518501, Kurnool Dist.

Andhra Pradesh

## About the college

Santhiram Engineering College (SREC) was sponsored by M/s Sri Shiridi Sai Educational Academy, Nandyal. It was started under the able guidance of Dr.M.Santhiramudu (Chairman of RGM group of Educational Institutions) in the year 2007 on NH-18 at Nandyal, Kurnool (Dist) A.P. We are in high spirits and our mirth knows no boundaries to announce that our SREC, the pioneer of value-based education, has been awarded the Permanent Affiliation for the branches viz. CSE, ECE, MECH & EEE to the JNT University, Anantapuram. The Institute obtained 2(f) & 12(B) from UGC & ISO 9001:2015 certificate.

### Vision

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

### Mission

To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

1. To establish postgraduate programs in the current and Advanced Technologies.
2. To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.

To propel every individual, realize and act for the technical development of the society.

## About the Department

The department was established in the year 2007. The Basic Science department combines faculties par brilliance with best laboratory set-ups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like:

- Engineering Physics
- Engineering Chemistry
- Mathematics
- English Language and Communication

## About the Facilities

- Well qualified ,dedicated &rich experienced faculty
- Good infrastructure
- Well-equipped laboratories
- Providing lecture videos and E-books for students

## About the Program

Stereochemistry is an important issue in any synthesis. This chapter illustrates two key points. First, disconnection should be done at a C—C bond where one of the carbon atoms is a stereogenic center. Disconnection of a bond away from the stereogenic center usually leads to a less efficient and less desirable retrosynthesis, and often more difficult. The second issue deals with search engines. Searching exact structures with

all stereochemistry intact (an enantiopure structure) may return no hits, whereas the same search for the racemic structure may return many hits or at least related structures that can help with the planning. The main lesson is that one should not limit the search to the structure with all “wedges” and “dashes” incorporated, but also search using the racemic structure (line notation but no wedges or dashes). Indeed, it maybe more useful to begin the search with the racemic compound and use that information to guide any search with the enantiopure compound.

## Registration

The Participants can contact Mr. J.Seshaphani Assistant Professor of Chemistry for Registration.

## RESOURCE PERSON

Dr.M.Swarna Kumari  
Assoc. Prof of chemistry

**SANTHIRAM ENGINEERING COLLEGE**  
**NANDYAL-518501, Kurnool Dist.**  
**Andhra Pradesh**

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**Name of the Course:** Add-on Program on Data Analysis for Management Decisions using Excel and SPSS.

<b>Course Code:</b> MBA-01-2020-2021	<b>Programs Eligible:</b> MBA	<b>Total Hours:</b> 30
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**Objective:**

- To gain the knowledge in construct formulas, including the use of built-in functions and relative & absolute references.
- To get the knowledge in creating and modifying the charts.

**Outcome:**

- Students create an excel data model and connect to external data
- Students create flexible data aggregations using Pivot tables.
- Students create a dashboard and analyze data.

Unit	Topics Covered	Lect. No
01	Introduction to Spreadsheets	1
02	Reading Data into Excel	1
03	Basic Data Manipulation & Arithmetic Manipulation in Excel	3
04	Basic Functions in Excel & Functions Using Absolute and Relative References	3
05	Functions Explained	2
06	Store Sales (Comma delimited).txt	2
07	Introduction to Filtering, Pivot Tables, and Charts	2
08	Introduction to the Data filtering capabilities of Excel, the construction of Pivot Tables to organize data and introduction to charts in Excel.	3
09	Data Filtering in Excel	2
10	Use of Pivot Tables in Excel & Application of Pivot Tables to Numeric Data	2
11	Introduction to Charts in Excel	2
12	Introduction to Filtering, Pivot Tables, and Charts	2
13	Advanced Graphing and Charting	2
14	Constructing various Line, Bar and Pie charts. Using the Pivot chart features of Excel. Understanding and constructing Histograms and Scatter plots.	3
<b>Total Lecture Hrs.</b>		<b>30</b>

*Stephen*  
HOD-MBA

*02*

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## Dept of MASTER OF BUSSINESS ADMINISTRATION

### *Speaker Profile*

Add-on Program on Data Analysis for Management Decisions using Excel and SPSS.



Name : **Mr. U.M.Gopal Krishna**

Designation : Asst. Prof.

Department : MBA

Contact No. : 8142177143

E-Mail: [gopi.mba@srecnandyal.edu.in](mailto:gopi.mba@srecnandyal.edu.in)

Qualification : MBA

Experience : 11 Years

Areas of Interest: Finance & Accounting

### **Breif Profile:**

He is Pursuing Ph.D from JNTUA- Anantapur, done his MBA from Srikrishnadevaraya University Anantapur. He is having more than 10 years of Teaching and Research experience in PG & UG level and Published Research Papers in Scopus, Web of Science indexed and UGC listed International/National Journals. He is an expertise in teaching the subjects of Business Analytics, Accounts, Finance and Financial Technologies.

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**Santhiram Engineering College**  
**Nandyal, Kurnool(Dt.), A.P**



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## Dept of MASTER OF BUSSINESS ADMINISTRATION

### *Speaker Profile*

#### **Add-on Program on Online Trading by using Fundamental and Technical Analysis**



Name : **Mr K.Rajendra Prasad**

Designation : Asst. Prof.

Department : MBA

Contact No. : 9908068402

E-Mail: [prasad.mba@srecnandyal.edu.in](mailto:prasad.mba@srecnandyal.edu.in)

Qualification : MBA

Experience : 13 Years

Areas of Interest: Finance & Accounting

#### **Brief Profile:**

K Rajendra Prasad Working as Assistant Professor in the Department of MBA SREC, He Completed B.Com., from SK University in the year 2004, MBA(Finance & Marketing) from SK University in the year 2006, and pursuing Ph.D in Yogi Vemana University . He has 13 years vast teaching experience in different colleges. He expertise in Finance subjects.

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<b>Name of the Course: Add-on Program on Online Trading by using Fundamental and Technical Analysis</b>		
<b>Course Code:</b> MBA-02-2020-2021	<b>Programs Eligible: MBA</b>	<b>Total Hours: 30</b>
<b>Program Objectives:</b>		
<ul style="list-style-type: none"> <li>• The Students Get aware of the Fundamental and Technical analyzing.</li> <li>• This course Provide brief Knowledge about how to be Trade the market and investment in stock market</li> </ul>		
<b>Outcome:</b>		
<ul style="list-style-type: none"> <li>• Students will be aware of the importance of sticking to the daily trade routine, trade plan and making sure trade execution is flawless.</li> <li>• Students will develop and be committed to responsible fund management thinking and approaches, which are underpinned by ethical professional practice.</li> </ul>		
<b>Unit</b>	<b>Topics Covered</b>	<b>Lect. No</b>
01	Introduction to financial system in India.	02
02	Introduction to Investment	03
03	Introduction to Trading	04
04	What Is BOLT and NOLT	02
05	Online Trading Vs Offline Trading	04
06	Introduction To Demat Account	04
07	Market Timings	04
08	Fundamental analysis and Technical analysis	02
09	Introduction to India Stock Market,BSE and NSE	02
10	Live session of Trading	03
<b>Total Lecture Hrs.</b>		<b>30</b>

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HOD-MBA

*[Signature]*

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