



# SANTHIRAM ENGINEERING COLLEGE :: NANDYAL

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

## R&D and IPR Cell

### MOU List

2019-20

S.No	Name Of The Company/ Organisation	List Of Activities As Per MOU	Year Of Signing	Duration
1.	Codegnan It Solutions (Opc) Pvt Ltd, Vijayawada	1.Domain Specific Training& Provide Professional Training Programs 2. Provide Online Training 3.To Undertake Joint R&D& Consultancy Projects	06 <sup>th</sup> Jul 2019	3 Y
2.	Chalapathi Institute Of Technology, Guntur	1.Research 2.Academics 3.Education 4.Admiinistration & Others	25 <sup>th</sup> Aug 2019	5 Y
3.	Steps Knowledge Services Pvt. Ltd., Coimbatore	1.Fdp 2.Workshops/Events 3.Training Programs	3 <sup>rd</sup> Sep 2019	3 Y
4.	Institute Of Aeronautical Engineers, Dundigal	1.FDP's,Seminars 2.Research Collaboration 3.Online trainings	18 <sup>th</sup> Sep 2019	3Y
5.	Damodhara Oil Mill, Kurnool.	1.Industrial Visit 2.Consultancy Related Works 3.Seminars/Workshops	21 <sup>st</sup> Sep 2019	5 Y
6.	Engineers Gate Academy, Ananthapuramu	1.Career Prospective For Electronics And Communication Engineers 2. Conducting Gate Classes	16 <sup>th</sup> Oct 2019	5 Y
7.	Edex Academy New Zealand	1.Online English Preparation 2.Vocational Training 3.Orientation Programs, Free seminars Abroad advice Counselling 4.Joint Ventures and twinning programs	06 <sup>th</sup> Nov 2019	10 Y
8.	Take Off Edu Group, Tirupati	1.Training classes 2.Workshops, seminars, fdp's & Certification Programs	07 <sup>th</sup> Nov 2019	5 Y

**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool (Dt.), A.P.

Coordinator



# SANTHIRAM ENGINEERING COLLEGE :: NANDYAL

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

## R&D and IPR Cell

### List of Activities - MoU

2019-20

S-No	Name of the Program	Name of the company-Organisation With MoU	Date of Program	Number of Participants
1	Internship	Ideal Industries Incorporation, Trichy	22-07-2019 to 02-08-2019	1
2	Internship in mechanical domain testing	Great vision Technology	29-07-2019 to 03-08-2019	1
3	Program on CISCO networking Academy	Idea labs, Hyderabad	19-08-2019	50
4	Guest Lecture on Latest Development in Computer Science	Eleven01 Technologies, Hyderabad	19-08-2019	62
5	One day Program on Code Tantra	Code Tantra, Hyderabad	03-09-2019	74
6	One Week Faculty Development Program on Internet of Things	Steps Knowledge Services Pvt- Ltd-, Coimbatore	03-09-2019 to 08-09-2019	46
7	One Day Awareness Program on Career Prospective for Electronics and Communication Engineers	Engineers Gate Academy, Ananthapuramu	16-10-2019	60
8	One day seminar on art of writing research proposal	Chalapathi Institute Of Technology, Guntur	26-10-2019	50
9	One day Seminar on opportunities in solar power plant- to become an entrepreneur	Sprouts Energy Pvt- Ltd-	09-11-2019	73
10	One week Short time training program on IoT application on Real time embedded Systems	Sri Mittapalli Institute Of Technology For Women- Guntur-	23-11-2019 to 29-11-2019-	63
11	Career guidance Awareness programme on higher education	Take Off Edu Group, Tirupati	10-12-2019	68
12	One week Add on program on simulation of Electronic Circuits using E-SIM	St-Johns College Of Engineering & Technology, Yemminganuru-	03-02-2020 to 08-02-2020	94
13	Awareness on financial literacy and	Research Stars Association ,Madanapalli	04-03-2020	50

	entrepreneursnip			
14	An Innovative Research Trends in Data Science using R Programming	Codegnan It Solutions (Opc) Pvt Ltd, Vijayawada	26-05-2020 to 31-05-2020	114
15	One week Online Add on Program on IOT and Its Applications in Real time	QIS College Of Engineering & Technology, Ongole-	01-06-2020 to 06-06-2020	95

  
Coordinator

  
**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P.

## MEMORANDUM OF UNDERSTANDING

BETWEEN




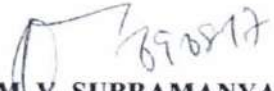
AND



### SANTHIRAM ENGINEERING COLLEGE: NANDYAL

This MOU is entered into on **9<sup>th</sup> Day of August, 2017** with the view of promoting cooperation in academic education, research and student placement between **SREC** and the **IDEAL INDUSTRIES INCORPORATION** as basis for their further cooperation in academics and placements under mutual interest and agreed terms.

  
Er. **SANTHAKRISHNAN**  
Director  
IDEAL Industries Incorporation  
Trichy - 620015  
Tamilnadu  
India

  
Dr. **M. V. SUBRAMANYAM**  
Principal  
Santhiram Engineering College  
Nandyal 518 501  
Andhra Pradesh  
India



  
Principal  
**Santhiram Engineering College**  
NANDYAL



# Ideal Industries Incorporation

CUSTOMER DELIGHT

S1/2, SIDCO INDUSTRIAL ESTATE, TIRCHY, TAMILNADU, Pin code- 620 015, INDIA.  
Email: commercial@idealboilerspares.com, web: www.idealindustriesincorporation.com

## MEMORANDUM OF UNDERSTANDING

BETWEEN



### Ideal Industries Incorporation

CUSTOMER DELIGHT

AND



**SANTHIRAM ENGINEERING COLLEGE: NANDYAL**

This MOU is entered into on 9<sup>th</sup> Day of August, 2017 by and between

**IDEAL INDUSTRIES INCORPORATION** (hereinafter referred to as the '**IDEAL**') a Company registered under the Company Act, 1956, through its Mr. G. SANTHAKUMAR as a chief executive and sole proprietor, having its registered/approved Office at NO. S1/2 Sidco, Industrial estate, Tirchy, Tamilnadu, INDIA

And

M/s **SRI SHIRDI SAI EDUCATIONAL ACADEMY, Nandyal** running **SANTHIRAM ENGINEERING COLLEGE** (hereinafter referred to as the '**SREC**') an Engineering college approved by AICTE- Delhi, affiliated to JNTU- Anantapur represented by its Principal Dr. M. V. SUBRAMANYAM

This MOU establishment with the view of promoting cooperation in academic education, research and consultancy project works between **SREC** and the **IDEAL** (collectively referred as **PARTIES**) as basis for their further cooperation in academics and placements under mutual interest and agreed terms.



# Ideal Industries Incorporation

CUSTOMER DELIGHT

S1A2, SIDCO INDUSTRIAL ESTATE, TIRUCHY, TAMILNADU, Pin code- 620 015, INDIA.

Email: [commercial@idealboilerspares.com](mailto:commercial@idealboilerspares.com),

web: [www.idealindustriesincorporation.com](http://www.idealindustriesincorporation.com)

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## 1.0 OBJECTIVES

- To facilitate Staff and Students of SREC to take up project works to devise novel methods for improving productivity and quality in Production and Manufacturing.
- To address and solve technical problems, arising in the industry by conducting open forum discussions between industry and institute experts in the relevant areas.
- To address and solve technical problems of Manufacturing by undertaking applied research activities.
- To train the personnel of Production and Manufacturing at the latest technologies by conducting short-term courses at SREC.
- To share the knowledge resource of Managers/Executives of IDEAL.
- To facilitate students of SREC to undertake inplant training.
- To provide need based training by organizing skill development programs at the Department of Mechanical Engineering of SREC.
- To provide industry exposure to students through arranging guest lectures, industrial visits to associated industries of IDEAL.

## 2.0 ROLE OF COLLABORATING PARTIES

The parties will support co-operation in the Industrial Visit, In-Plant Practical Training and Projects to the Students and Technology Development on the basis of equality and mutual benefits, in accordance with the provisions of this Memorandum of Understanding (MOU). The roles of collaborating parties are as follows.



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## 2.1 IDEAL INDUSTRIES INCORPORATION

- To invite the faculty members of SREC to observe major challenging works carried out in the industry to gain practical knowledge.
- To participate in joint training/ education program to raise the level of competency of industry/ personnel.
- To involve SREC in any activity pertaining to community upliftment through technical training.

## 2.2 SANTHIRAM ENGINEERING COLLEGE

- To identify, in consultation with the Managers/ Executives of IDEAL. The training that the students of SREC are to undertake during In-Plant Training (IPT) and depute students based on a time schedule that is mutually agreeable.
- To form group of students taking up project works and inform the industry of their domain strength to facilitate industry executives to choose the projects which will find application in the industry.
- To plan and conduct short-term training programme for new and existing employees at various levels of IDEAL after conducting need survey. Such programmes can be offered on a mutually agreeable charge basis.
- To develop training packages using advanced Production and Manufacturing technology in consultation with the Managers/Executives of IDEAL.



# Ideal Industries Incorporation

CUSTOMER DELIGHT

S1\2, SIDCO INDUSTRIAL ESTATE, TIRUCHY, TAMILNADU, Pin code- 620 015, INDIA.  
Email: commercial@idealboilerspares.com, web: www.idealindustriesincorporation.com

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## 3.0 TERMS OF REFERENCE

### 3.1 FINANCE


For the activities which are chargeable, the relevant terms and conditions will have to be approved by both the parties before the commencement of such activities.

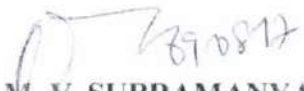
### 3.2 VALIDITY

This MOU will come into effect from the date of signing and will remain in force for a period of 5 (FIVE) years. However, the validity of the MOU shall be terminated by mutual agreement between the parties.

The termination of this MOU shall not in any way affect the validity or duration of the ongoing projects that are started prior to such termination.

Signed on this 9<sup>th</sup> day of the calendar month of August 2017.

  
Er. SATHAKUMAR GANESAN  
Director  
IDEAL Industries Incorporation  
Trichy - 620015  
Tamilnadu  
India

  
Dr. M.V. SUBRAMANYAM  
Principal  
Santhiram Engineering College  
Nandyal 518 501  
Andhra Pradesh  
India



  
Principal  
Santhiram Engineering College  
NANDYAL





# Ideal Industries Incorporation

CUSTOMER DELIGHT

S12, SIDCO INDUSTRIAL ESTATE, TIRCHY, TAMILNADU, Pin code- 620 015, INDIA.  
Email: commercial@idealboilerspares.com, web: www.idealindustriesincorporation.com

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Ref: IDEAL/HRD&A/ PRG/ 2019/ 24-07

Date: 02/08/2019

## TO WHOM IT MAY CONCERN

This is to certify that **Mr. P. NAVEEN REDDY** (Register Number **18X55A0326**), a student of B.Tech (Mechanical Engineering) from Santhiram Engineering College, Nandyala, AP has successfully completed 2 weeks long internship program from 22.07.2019 to 02.08.2019 at our organization. During the period of internship program he was found punctual and hardworking.

For IDEAL Industries Incorporation

  
Manager Human Relations & Admin Department  
IDEAL Industries Incorporation  
TAMILNADU - 620015



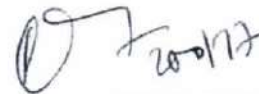
  
Principal  
Santhiram Engineering College  
NANDYAL

## MEMORANDUM OF UNDERSTANDING (MOU)

GREAT VISION TECHNOLOGY, RLCC Building, Cantonment, Tiruchirappalli, Tamilnadu, Pin code 620001, INDIA and **SANTHIRAM ENGINEERING COLLEGE**, Nandyal, Kurnool District, Andhra Pradesh, Pin code 518501, INDIA have signed an MOU for Collaborative initiatives in the areas of Research & Development and Consultancy on 20<sup>th</sup> day of January 2017.



**Mr. T. VARUN PRABHAKARAN**  
Managing Director  
Great Vision Technology  
Tiruchirappalli 620 001  
Tamilnadu  
India



**Dr. M. V. SUBRAMANYAM**  
Principal  
Santhiram Engineering College  
Nandyal 518 501  
Andhra Pradesh  
India



NO #10, RLCC BUILDING, CANTONMENT, TRICHY-620 001.

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Web Designing

SEO

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

## **MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**GREAT VISION TECHNOLOGY,**  
Tiruchirappalli - 620001, Tamilnadu, INDIA

**AND**

**SANTHIRAM ENGINEERING COLLEGE,**  
Nandyal - 518501, Kurnool District, Andhra Pradesh, INDIA

This MEMORANDUM OF UNDERSTANDING, hereinafter called MOU is arrived at between **GREAT VISION TECHNOLOGY,** RLCC Building, Cantonment, Tiruchirappalli, Tamilnadu, Pin code 620001, INDIA, hereinafter referred to as GVT and **SANTHIRAM ENGINEERING COLLEGE,** Nandyal, Kurnool District, Andhra Pradesh, Pin code 518501, INDIA, hereinafter referred to as SREC. This MOU aims at promoting mutual interest through co-operation in the areas of Research & Development and Consultancy on the basis of equality and mutual benefits.

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## 1.0 OBJECTIVES

- ❖ To facilitate Staff and Students of SREC to take up project works to devise novel methods for improving productivity and quality in GVT.
- ❖ To address and solve technical problems, arising in the industry by conducting open forum discussions between industry and institute experts in the relevant areas.
- ❖ To address and solve technical problems of GVT by undertaking applied research activities.
- ❖ To develop and implement user friendly software as required by GVT.
- ❖ To train the personnel of GVT in the latest technologies by conducting short-term courses at SREC.
- ❖ To facilitate students of SREC to undertake in-plant training in GVT.
- ❖ To provide industry exposure to students through arranging Industrial Visits to associated industries to GVT.
- ❖ To share the knowledge resource of Managers/Executives of GVT by arranging guest lectures at SREC or GVT.
- ❖ To provide need based training to the Managers / Executives of GVT by organizing Management Development Programme at the Department of Mechanical Engineering of SREC.

## 2.0 ROLE OF COLLABORATING PARTIES

The parties will support co-operation in the areas of Training & Development, Testing, Consultancy, Research & Development, and Technology Development on the basis of equality and mutual benefits, in accordance with the provisions of this Memorandum of Understanding (MOU). The roles of collaborating parties are as follows.

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## 2.1 GREAT VISION TECHNOLOGY

- To invite the faculty members of SREC to observe major repair and challenging works carried out in the industry to gain practical knowledge.
- To sponsor joint or co-operative programme and projects of mutual benefit that shall include visits and exchange of experts or technical personnel.
- To depute personnel of the GVT as resource persons for invited lectures.
- To participate in and/or sponsor conferences, symposia, courses, workshops, exhibitions and other joint meetings of mutual interest.
- To participate in joint training/ education programme to raise the level of competency of industry/ personnel.
- To involve SREC in any activity pertaining to community upliftment through technical training.

## 2.2. SANTHIRAM ENGINEERING COLLEGE

- To identify, in consultation with the Managers/ Executives of GVT the training that the students of SREC are to undertake during In-Plant Training (IPT) and depute students based on a time schedule that is mutually agreeable.
- To form group of students taking up project works and inform the industry of their domain strength to facilitate industry executives to choose the projects which will find application in the industry.
- To inform GVT about the calendar of short-term courses and long-term courses, special training programmes, seminars and workshops that are scheduled by SREC, and invite personnel of GVT to participate in such programmes.

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- To furnish the list of Equipment, Machines, Instruments and Software available in SREC to GVT so that (Company Name) can use them to supplement their facilities.
- To plan and conduct short-term training programme for new and existing employees at various levels of GVT after conducting need survey. Such programmes can be offered on a mutually agreeable charge basis.
- To develop training packages using multimedia technology in consultation with the Managers/Executives of GVT.

### **3.0 TERMS OF REFERENCE**

#### **3.1 FINANCE**

For the activities which are chargeable, the relevant terms and conditions will have to be approved by both the parties before the commencement of such activities.

#### **3.2 CO-ORDINATING AND MONITORING**

- A co-ordinating committee will be constituted with one representative each from SREC and GVT for implementing the activities.
- An annual review meeting will be arranged by co-ordinator of SREC inviting the Managers/Executives from GVT and Faculty of SREC for review and monitoring the collaborative activities and offering suggestions for effective implementation.

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### 3.3 Validity

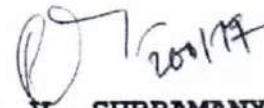
This MOU will come into effect from the date of signing and will remain in force for a period of 5 (FIVE) years. However, the validity of the MOU shall be terminated by mutual agreement between the parties.

The termination of this MOU shall not in any way affect the validity or duration of the ongoing projects that are started prior to such termination.

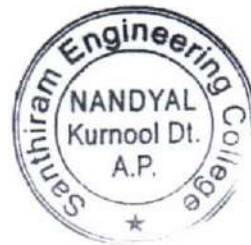
Signed on this 20th day of the calendar month of January 2017



**Mr. T. VARUN PRABHAKARAN**  
Managing Director  
Great Vision Technology  
Tiruchirappalli 620 001  
Tamilnadu  
India



**Dr. M. V. SUBRAMANYAM**  
Principal  
Santhiram Engineering College  
Nandyal 518 501  
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Letter ref. GVT/PRO/2019/Int-13


Date: 03.08.2019

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. P. ABDUL VARIS S/o Mr. P. MOHAMMAD GOUSE** a student of III B.Tech Mechanical Engineering from Santhiram Engineering College, Kurnool has done his internship in Mechanical domain testing at Great Vision Technology, Tiruchirappalli from 29.07.2019 to 03.08.2019.

During the Internship he demonstrated good testing skills with self motivated to learn new things. His performance exceeded the expectations and was able to complete the project successfully on time.

We wish him all the best for his future endeavors.

  
**Mr. S. ARUL KUMARAN**  
Manager Projects  
Great Vision Technology  
Tamilnadu, India

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

N0 #10, RLCC BUILDING, CANTONMENT, TRICHY- 620 001.

WEB: [WWW.greatvisiontech.in](http://WWW.greatvisiontech.in) email : [catchusgt@gmail.in](mailto:catchusgt@gmail.in)



# **MEMORANDUM OF UNDERSTANDING**

**BETWEEN**



**SANTIRAM ENGINEERING COLLEGE: NANDYAL**

AND

**IDEALABS**

# 3-9-104, Krishnapuri Colony, West Marredpally, Secunderabad - 500026, Telangana  
Mobile: 98484 48538, Email: [info@idealabs.co.in](mailto:info@idealabs.co.in), [www.idealabs.co.in](http://www.idealabs.co.in)

**MEMORANDUM OF UNDERSTANDING**

THIS Memorandum of Understanding ("MoU") dated 03-10-2018 is made by and between **IDEALABS FutureTech Ventures** (hereinafter referred as the "IDEALABS") and **Santhiram Engineering College** an Educational Institution managed and run by **SS Society** registered registered under Societies Regulation Act through its **Principal Sri Dr M V Subramanyam** who is duly authorized to sign this Agreement (herein referred to as Academic Partner (Member – Global Academic Alliance Partner)).

**1. Intent:**

The purpose of this MoU is for the parties to this Agreement to work together to maximize the benefits to each other. IDEALABS is a leading product development and consulting company on emerging technologies such as Blockchain, IoT, Artificial Intelligence, Cyber security and allied areas. IDEALABS has started several initiatives for skills, innovation and entrepreneurship development on campus. Academic Partner agrees and IDEALABS hereby appoints **Santhiram Engineering College** as an Academic Partner.

**2. Relationship:**

This MoU does not authorize the Academic Partner to act for IDEALABS as its agent or to make any commitment on behalf of IDEALABS. No person shall be admitted as an associate of IDEALABS without its consent and written approval.

**3. Terms of MoU:**

- a. IDEALABS shall carry out its activities under this MOU through the branding of **IDEALABS** and its affiliate **Block91**, represented by **Mr. Pankaj Diwan**.
- b. THE Academic Partner agrees and acknowledges that this MoU does not entail any commercial liability upon IDEALABS, and that IDEALABS shall not be liable for any compensation or payments.

**4. Proposed List of Activities****a. Mentor Connect**

IDEALABS shall get renowned Entrepreneurs and Mentors on Campus to interact and inspire the students on topics related to emerging technologies

**b. Bootcamps & Hackathons**

IDEALABS shall conduct bootcamps and hackathons across different emerging technology platforms

**c. Corporate Challenges**

IDEALABS shall identify, create and provide mentoring for corporate challenges around emerging technologies to encourage students to compete and raise their benchmarks.

**d. International Contests**

IDEALABS shall identify and provide mentoring for International contests on emerging technologies.

**e. Summer School**

IDEALABS shall conduct a four week summer school programme on emerging technologies from Ideation to Prototype development.

**f. Centre of Excellence**

IDEALABS shall set up Tinkering Labs, Maker space, Incubation Centre and Centre of Excellence in emerging technologies through its expertise and its partnership with global leaders in respective technologies.

**g. Product Development and Incubation**

IDEALABS shall provide Product development consulting to selected and eligible set of students and provide Incubation for the product development on emerging technologies.

**h. Entrepreneurship Development**

IDEALABS shall conduct bootcamps, product Incubation, investor connect for entrepreneurship awareness and development on emerging technologies based startups

**i. E-Summits and Maker Faire**

IDEALABS shall conduct E-Summits and Maker Faire to showcase the talent of students to the larger ecosystem Industry bodies and Investors

**j. Funding Opportunities**

IDEALABS shall help college in submission of proposals for funding from DST and other government bodies.

**k. Co-Innovation**

IDEALABS shall sign tri-party agreements with International Incubators and Accelerators, Universities and Corporates for co-innovation

**l. Joint Research**

IDEALABS shall assign/outsourcing Research and Product development in collaboration with college to create Intellectual Property. A joint team comprising members of IDEALABS and Academic Partner shall work in collaboration to accomplish the goals of the projects.

**m. Faculty Development Programme**

IDEALABS shall conduct Faculty Development programme and provide necessary training as an ongoing activity on varied Leading edge technologies and other relevant areas to the faculties /Lecturers /Professors of the Academic Partner. Senior trainers with vast Industry experience will conduct the training.

**n. Certification Programme**

IDEALABS shall conduct, Internationally recognized certification courses on emerging technologies to further improve the skill set and placement eligibility of students.

**5. Publicity:**

Both party hereby grant the other Party, the express right to use their company logo in marketing, sales, financial, and public relations materials and other communications for the purpose of conveying the relationship and understanding among the parties. Other than as expressly stated herein, neither party shall use the other party's marks, codes, drawings or specifications without the prior written permission of the other party.

**6. Limitation of Liability:**

Under no circumstances shall IDEALABS be liable for any direct, indirect, incidental, special, or consequential damages (including without limitation damages for lost profits or savings) incurred by the Academic Partner or any third party, even if IDEALABS has been informed of the possibility of such damages.

**7. Amendment to the Agreement:**

This MOU supersedes any other agreement, whether written or oral. During the operation of the MOU, circumstances may arise which call for alteration or modifications of this MOU, or entering into another Agreement on mutually agreed terms. These modifications/alterations will be mutually discussed and agreed upon in writing.

**8. Term**

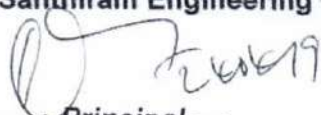
This MOU is at-will and may be modified by mutual consent of both the parties. This MOU shall become effective upon signature by the authorized officials from both parties, and will remain in effect until terminated by any one of the parties with notice of at least 30 days to the other party.

**Approved & Accepted:**

For IDEALABS FutureTech Ventures

  
Name: Pankaj Diwan  
Title: CEO

For Santhiram Engineering College

  
Name: *Principal* Dr M V Subramanyam  
Santhiram Engineering College  
NANDYAL

  
*Principal*  
Santhiram Engineering College  
NANDYAL

# 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 J.N.T.University, Anantapur, A.P.)  
Department of Computer Science & Engineering

## REPORT

**Date(s):** 19-08- 2019

A Report on program on "CISCO NETWORKING ACADEMY"

### Resource Persons with details:

Mr.Ram Gowtham, Program Manager, Academy Sports center, A.P.      Mr.Vijay Kumar,Asst. Program Manager, Academy Sports center, A.P.

### About the Program:

Santhiram Engineering College, Nandyal has organized program on "CISCO NETWORKING ACADEMY" in association with CSI & IDEALABS., which is done MOU with SREC on 19-08-2019. Mr.Ram Gowtham, Program Manager and Mr.Vijay Kumar,Asst. Program Manager of Academy Sports center, A.P acted as a resource persons . This program provides details of CISCO NETWORKING such as what is Sieso and importance of Cisco and what are the courses are available on Cisco Networking and which kind of jobs are available in future with this academy.



Banner of the program



Dignitaries in the inauguration function



Speech by Mr.J.David Sukeerthi Kumar in inauguration function

Program Coordinator

HoD

PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(DL), A.P.

# MEMORANDUM OF UNDERSTANDING

BETWEEN



SANTIRAM ENGINEERING COLLEGE: NANDYAL

AND

# ELEVEN01

**ELEVEN01 TECHNOLOGIES**

Registered office: 4-6-118, Ram Bagh, Attapur, Hyderabad, Telangana, - 500 048, India



## MEMORANDUM OF UNDERSTANDING

THIS Memorandum of Understanding ("MoU") dated 24-04-2019 is made by and between Eleven01 Technologies (hereinafter referred as the "Firm" or "Eleven01"); Idealabs Futuretech Ventures, address at 3-9-104, Krishnapuri colony, West Marredpally Secunderabad 500026 (hereinafter "Idealabs"); and Santhiram Engineering College an Educational Institution managed and run by SS Society registered under Societies Regulation Act through its Principal Sri Dr. MV Subramanyam who is duly authorized to sign this Agreement (herein referred to as "Academic Partner")

### 1. Intent:

The purpose of this MoU is for the parties to this Agreement to work together to maximize the benefits to each other. Eleven01 is working towards building India's first native blockchain protocol that will bolster the growth of blockchain-based initiatives in the country. Academic Partner agrees and the Firm hereby appoints Santhiram Engineering College as an Academic Partner of Eleven01.

### 2. Relationship:

This MoU does not authorize the Academic Partner to act for the Firm as its agent or to make any commitment on behalf of the Firm. No person shall be admitted as an associate of the Firm without its consent and written approval.

### 3. Terms of MoU:

- a. Firm shall carry out its activities under this MOU through Idealabs and its affiliate Block91, the Firm's 'Blockchain Training Partner', represented by Mr. Pankaj Diwan.
- b. THE Academic Partner agrees and acknowledges that this MoU does not entail any commercial liability upon the Firm or its associates, affiliates, and partners, and that the Firm shall not be liable for any compensation or payments.

### 4. Proposed List of Activities

To the best of its endeavor, Eleven01 shall carry out the following:

#### a. Mentor Connect

Firm shall arrange for getting renowned Entrepreneurs and Mentors on Campus to interact and inspire the students on topics related to Blockchain

#### b. Bootcamps & Hackathons

Firm shall arrange for the conduct of bootcamps and hackathons across different technology platforms of Blockchain Technology

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## ELEVEN01 TECHNOLOGIES

Registered office: 4-6-118, Ram Bagh, Attapur, Hyderabad, Telangana, - 500 048, India

**c. Corporate Challenges**

Firm shall arrange for the identification, creation and provision of mentoring for corporate challenges around Blockchain technology to encourage students to compete and raise their benchmarks.

**d. International Contests**

Firm shall arrange for the identification and provision of mentoring for International contests on Blockchain technology.

**e. Product Development and Incubation**

Firm shall arrange for the provision of Product development consulting to selected and eligible set of students and provide Incubation for the product development on Blockchain.

**f. Entrepreneurship Development**

Firm shall arrange for the conduct of bootcamps, product Incubation, investor connect for entrepreneurship awareness and development on Blockchain solution based startups

**g. E-Summits**

Firm shall arrange for the conduct of E-Summits and Maker Faire to showcase the talent of students to the larger ecosystem Industry bodies and Investors

**h. Funding Opportunities**

Firm shall arrange to help college in submission of proposals for funding from DST and other government bodies.

**i. Co-Innovation**

Firm shall arrange for the signing of tri-party agreements with International Incubators and Accelerators, Universities and Corporates for co-innovation

**j. Joint Research**

Firm shall arrange for the assigning/outsourcing of Research and Product development in collaboration with college to create Intellectual Property. A joint team comprising members of Idealabs and Academic Partner shall work in collaboration to accomplish the goals of the projects.

**k. Faculty Development Programme**

Firm shall arrange for the conduct of Faculty Development program and providing necessary training as an ongoing activity on varied Leading edge technologies and other relevant areas to the faculties /Lecturers /Professors of the Academic Partner. Senior trainers with vast Industry experience will conduct the training.

**l. Certification Programme**

Firm shall arrange for the conduct of internationally recognized certification courses on Blockchain technology to further improve the skill set and placement eligibility of students.

**5. Publicity:**

Both parties hereby grant the other Party, the express right to use their name and logo in marketing, sales, financial, and public relations materials and other communications for the purpose of conveying the relationship and understanding among the parties. Other than as expressly stated herein, neither party shall

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**ELEVEN01 TECHNOLOGIES**

Registered office: 4-6-118, Ram Bagh, Attapur, Hyderabad, Telangana, – 500 048, India



use the other party's marks, codes, drawings or specifications without the prior written permission of the other party.

**6. Limitation of Liability:**

Under no circumstances shall Firm be liable for any direct, indirect, incidental, special, or consequential damages (including without limitation damages for lost profits or savings) incurred by the Academic Partner or any third party, even if the Firm has been informed of the possibility of such damages.

**7. Amendment to the Agreement:**

This MOU supersedes any other agreement, whether written or oral. During the operation of the MOU, circumstances may arise which call for alteration or modifications of this MOU, or entering into another Agreement on mutually agreed terms. These modifications/alterations will be mutually discussed and agreed upon in writing.

**8. Term**

This MOU is at-will and may be modified by mutual consent of both the parties. This MOU shall become effective upon signature by the authorized officials from both parties, and will remain in effect until terminated by any one of the parties with notice of at least 2 weeks to the other party.

**Approved & Accepted:**

For Eleven01 Technologies



For M/s.ELEVEN01 TECHNOLOGIES

Name: Mr. Ramachandran Iyer

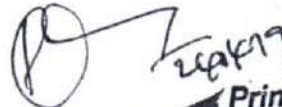
Authorised Signatory

SPOC Name: Partner

SPOC Contact details:

SPOC Email id:

For Santhiram Engineering College



Name: Dr. M.V. Subramaniam

Title: Principal

SPOC Name:

SPOC Contact details:

SPOC Email id:

Principal  
Santhiram Engineering College  
NANDYAL

For Idealabs Future Tech Ventures



Name: Ankaj Deyan

Authorised Signatory

SPOC Name:

SPOC Contact details:

SPOC Email id:

ELEVEN01 TECHNOLOGIES

Registered office: 4-6-118, Ram Bagh, Attapur, Hyderabad, Telangana, - 500 048, India

Principal  
Santhiram Engineering College  
NANDYAL



# 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 J.N.T. University, Anantapur, A.P.)  
Department of Computer Science & Engineering

## REPORT

**Date(s):** 19 - 08 - 2019

A Report on Guest Lecture on "Latest Developments in Computer Science"

### **Resource Persons with details:**

Dr. D.V.L.N. SOMAYAJULU

Director of IIITDM ,Kurnool

### **About the Program:**


Santhiram Engineering College, Nandyal has organized Guest Lecture on "Latest Developments in Computer Science" in association with CSI and ELEVEN01 which is done MOU with SREC on 19-08-2019. Dr.D.V.L.N. Somayajulu, Director of IIITDM, Kurnool acted as a resource person for this program. This program provides the details of Advanced technologies such as Internet of Things ,Artificial Intelligence and Advanced Database Management system, and how to store data in database. This session is given more valuable information about how to improve knowledge on advanced technologies.



Speech by Mr.J.David Sukeerthi Kumar



Speech by Dr.D.V.L.N. Somayajulu

  
Signature of the  
Coordinator

  
signature of the HOD

  
**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P.

# **MEMORANDUM OF UNDERSTANDING (MoU)**

Between

**Santhiram Engineering College**

And

**CODETANTRA TECH SOLUTIONS PVT. LTD.**

This Memorandum of Understanding (MoU) is made this 17<sup>th</sup> day of September 2018,

BETWEEN

**CodeTantra Tech Solutions Pvt Ltd** having its registered office at Shop No – 2, VC Plaza, Kukatpally, Hyderabad 500072, Telangana.

and

**Santhiram Engineering College** having its office in Nerawada 'X' Roads, Kurnool District, Nandyala, Andhra Pradesh, India, 518501.

## 1.0 BACKGROUND

**CodeTantra Tech Solutions Pvt Ltd**, (herein referred to as "CT") is a company based in Hyderabad, India which develops interactive learning software solutions, which enable engineering students across the globe to learn and master the latest IT technologies. CodeTantra has developed an award winning i-Learning system (interactive learning) platform which is cloud-hosted and accessible from any internet enabled PC.

**Santhiram Engineering College** (herein referred to as "SREC") has been established with the vision of creating new frontiers of knowledge in quest for development of a humane and just society. It has been imparting globally focused education to all sections of the society thereby creating world class professionals who are well equipped to meet the needs of the industry and nation.

## 2.0 PURPOSE & SCOPE

The purpose of this MoU is to collaborate in building a critical mass of software programmers in SREC through "disruptive and innovative" Interactive Teaching platform that results in programmers who can create jobs and be "employment ready" for the IT industry. This programme will be implemented in a manner that both parties will work together to attain the expected end results from this collaboration.

CT shall provide its Interactive Teaching platform to the faculty and students belonging to all of branches in SREC campus as identified by the college management.

CT shall also work for and provide full support in improving placements and improving industry academia linkages with SREC.

SREC is allowed to use CodeTantra's logo and name to promote the learning courses made available to its students in the campus and also on its website, similarly CodeTantra will also be allowed to use the logo of SREC on its website and other material purely for advertising purpose.

Both parties shall NOT make any financial commitment on behalf of each other, nor shall take loans or create any other financial liabilities which is binding on each other under this agreement.

## 3.0 CT RESPONSIBILITIES UNDER THIS MoU

3.1 CT shall undertake the following activities:

3.1.1 Maintain the availability / uptime of the cloud-based teaching/learning platform.

3.1.2 Provide norms and guidelines wherever necessary

3.1.3 Train the personnel from SREC and enable them to handle the on-ground situation at the college.

3.1.4 Shall ensure through proper co-ordination and consultation that all the Trainings provided ensure quality.

#### 4.0 SREC RESPONSIBILITIES UNDER THIS MoU

- 4.1 On its part the SREC shall undertake the following activities:
  - 4.1.1 Shall be the technical partner to implement the solution in the college.
  - 4.1.2 Shall keep CT informed about the local requirements.
  - 4.1.3 Shall provide the required minimum infrastructural facilities like computer lab with internet access to its students for learning courses.

#### 5.0 INTELLECTUAL PROPERTY

CT will hold all the rights of their interactive teaching/learning cloud platform and owns all the content on the platform. SREC can anyhow suggest content changes based on the local requirements.

#### 6.0 AMEMNDMENT AND MUTUALLY UNDERSTOOD BETWEEN THE PARTIES

This is a MoU that guides the relationship between the two parties towards solving the challenges of digital e-Learning training in SREC to have effect, any modification on aspects of this MoU will be by the written consent of both parties. Agreed upon projects/programmes will be agreed upon separately and form part of this MoU as annexes. Activities will be drawn up accordingly, which will include additional responsibilities and timelines.

#### 7.0 PERIOD OF VALIDITY

This agreement shall be initially valid for **Three years** from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

#### 8.0 PRICING

Pricing will be decided on mutually agreed terms between CodeTantra and the SREC depending on the number of students, courses and validity.

#### 9.0 EFFECTIVE DATE AND SIGNATURE

This MoU shall be effective upon signatures of both CT and SREC officials.

#### 10.0 TERMINATION OF THE MoU


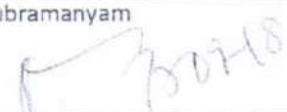
Termination of this MoU will be by mutual consent and in writing to either party.

#### 11.0 NOTICES

Any notice given in terms of the MoU shall be in writing and shall be delivered by registered post to their respective official addresses mention above.

The Parties indicate acceptance of this MoU by their signatures.

Signed by the Parties on 17<sup>th</sup> Day of September 2019:

For CodeTantra Tech Solutions Pvt. Ltd.	For Snathiram Engineering College
Chandra Sekhar Darapaneni Zonal Head 	Dr. M. V. Subramanyam Principal 



# SANTHIRAM ENGINEERING COLLEGE::NANDYAL

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## Department of Computer Science & Engineering

Date: 03/09/2019.

### Program on CODE TANTRA

Santhiram Engineering College, Nandyal has organized a one day Program on CODE TANTRA i.e.03/09/2019 in association with CSI and CODE TANTRA.. Mr. Chandra Shekar, Assistant manager acted as Resource person for this Program. This Program has covered the importance of CODE TANTRA in academics for the students. Total 74 students are attended to this workshop.

#### INAUGURATION FUNCTION:



Presentation by Mr. Chandra Shekar gaaru in Program

#### SESSION-I (10.30 AM – 01:15 PM)

The first session was started at 10:30AM and our chief guest given the orientation about the modules. He explained about Importance of Code Tantra and its Comparison with other platforms

#### SESSION-II (02.15 AM – 04:30 PM)

The second session was started at 2:15 PMN and our chief guest given the orientation about levels. He explained about its Usage and Benefits. The session came to an end after long interactions from the students. After the felicitation ceremony the program ended with National Anthem in the evening.

  
Signature of the  
Coordinator

  
Signature of the HOD

  
**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P.

**Memorandum of Understanding**  
**(MOU)**

**Between**



**SANTHIRAM ENGINEERING COLLEGE,  
NANDYAL**

**&**



**STEPS Knowledge Services Pvt Ltd,  
Coimbatore**

**(University Program Partner of Texas Instruments ,India)**

## Memorandum of Understanding

### Texas Instruments (TI) Innovation Lab at Santhiram Engineering College, Nandyal

This memorandum of understanding is signed on the Sept 3<sup>rd</sup> 2019, between the following institutions:

- a. STEPS Knowledge Services Pvt Ltd, Coimbatore which is the University Program Partner of Texas Instruments ,India, herein after referred to as STEPS
- b. Santhiram Engineering College, Nandyal , herein after referred to as College

This Memorandum of Understanding is proposed in order to establish a **Texas Instruments Innovation Lab** which will facilitate teaching Centre facility in the area of TI IOT System Design and Embedded Systems at Santhiram Engineering College, Nandyal with Technical Support from STEPS Knowledge Services Pvt Ltd, Coimbatore. Through this Memorandum of Agreement, the two parties agree to the following.

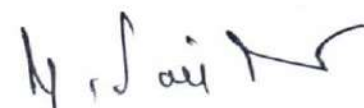
- (a) A **steering committee** will be set up to monitor the activities such as Training program for students, Faculty Development Program, Workshops and Events . The committee will consist of Mr. V.S. Ramesh, Director, STEPS and the College . With mutual consent, the steering committee can be expanded to include more members from the two institutions. The steering committee will be the supreme body as far the implementation of the above mentioned activities, the continuation of the MoU, and termination of the MoU are concerned. The MoU will be reviewed every **3 years** from the date of signing of MoU.
- (b) **Innovation Lab Setup:** The College will set up a lab which will be entitled "**Texas Instruments Innovation Lab**" at its premises. STEPS will supply the Development kits suitable for, IOT, Analog, Embedded, Robotics and Connectivity applications, for the college on mutually agreed basis. The College will be responsible for purchasing any other equipment required for setting up the Centre and for the maintenance of the Centre. STEPS agree to provide the necessary initial training and learning materials to begin the instruction on a mutually agreed basis.
- (c) **Curriculum:** The College will explore ways to introduce a lab-based course using Texas Instruments Platform in their undergraduate/post graduate curriculum which will be focused on the project based learning. STEPS will support the college in technical aspects with the teaching materials, Hands-on training to the faculty on a mutually agreed basis.



- (d) **Faculty Development Program:** If the College prefers, it can organize Faculty Development Program in its premises for its faculty members and faculty members of other Institutions to get trained TI Platform. The College will provide the infrastructure facility for conducting the Faculty Development Program. STEPS will extend its support to provide the trainers on mutually agreed basis if there are no relevant resources available in the college.
- (e) **Workshops/Events:** If the College wishes to organize a national event in the area of Analog, Embedded Systems and IoT Platform. STEPS will provide speakers/trainers/conduct workshops – 1 day / 2 day / Multi-Day where the revenue sharing could be discussed among both the parties.
- (f) **Training Programs:** STEPS will support the college in organizing training programs/tutorials on topics related to TI Analog, Embedded and IoT Systems Platform. Faculty members from the college who have undergone train-the-trainer program and who are certified by STEPS as Trainers may jointly with STEPS run paid STEPS certified training programs. The role of the trainer from the college (Faculty member) is same as the role of STEPS Trainer to conduct the training program. STEPS will provide certificates for the participants of such programs. The revenue sharing for such programs could be discussed among both the parties.
- (g) **Publicity through Media:** The College does not publicize the event or other external communications about the MOU in electronic or print media without explicit permission from STEPS /Texas Instruments. In case, the college/university wants to do so, a prior approval from Texas Instruments and STEPS is required.

**Authorized Signatories:**

Authorized Signatory from College :



Dr M Santhiramudu  
Chairman,  
Santhiram Engineering College,  
Nandyal, AP - 518501

Authorized Signatory from STEPS :



Mr V S Ramesh  
Director – STEPS Knowledge Services P Ltd  
(Authorized Partner for Texas Instruments  
University Program)



  
Principal  
Santhiram Engineering College  
NANDYAL



## SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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

Date: 09-09-2019

### Faculty Development Program on Internet of Things

From 03-09-2019 to 08-09-2019

**Organizing Dept.** : Department of CSE  
SANTHIRAM ENGINEERING COLLEGE,  
Nandyal, Kurnool Dist., AP

The Department of CSE organized a One Week Faculty Development Program on **Internet of Things** in association with **STEPS** which is done MOU with SREC. The Faculties from CSE and ECE of SREC and also from other colleges were participated in the program.

The Inauguration was held on 03.09.2019 at 10.00 AM in the conference hall by The Principal - Dr.M.V. Subramanyam garu.

Dr.B. Raju Asst Prof. NIT Warangal for this program. The day 1 session covered introduction to Internet of Things, CC3200 Platform, Value Line Architecture. The day 2 session has covered Connectivity Solutions using CC3200 Wi-Fi, Accessing HTML Page from HTTP Web Server, WLAN connection in Access Point Mode & Station Mode. The day 3 session has covered Creation of own HTTP Web Server and web page, Exercise on web server with different web pages to control Hardware. Reading temp sensor, Mini- Project combining all peripheral modules. Using HTTP Protocol sending sensor.

Mr.V.S.Ramesh Director of Steps Knowledge center, Coimbatuur acted as a resource person along with his team has covered topics in day 4 session Working with free board cloud server to configure the dash board cloud server to configure the dash board, Data acquisition and control using the cloud server with the user interface as Mobile APP. The day 5 session covered Introduction to WSN , Establishing communication between nodes using sub 1GHz RF, Implementation of typical IoT system along with user interface on desktop and mobile app version. The day 6 session has covered Sending Email from the Hardware CC3200 using Google mail cloud server. Sending SMS alerts using Twilio cloud services.

In the last session we collected the feedback about the program from the participants.



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After distributing the certificates to the participants and the felicitation ceremony the program ended with National Anthem in the evening.

Program outcomes:

- Participants can improve operational efficiency with IoT solutions.
- Participants can gain Competitive Edge of product development.
- Participants can Expand their IoT knowledge to meet daily needs in developing small scale products individually.



Banner of the program



Inauguration of one week FDP



Photo with Participants

Program Coordinator

HoD

Principal  
Santhiram Engineering College  
NANDYAL



## **MEMORANDUM OF UNDERSTANDING**

**IN CONSULTATION ON**

**COACHING for GRADUATE APTITUDE TEST in ENGINEERING**

**BETWEEN**

**SANTHIRAM ENGINEERING COLLEGE**

**(Referred to as SREC)**

**NANDYAL - 518501, KURNOOL DISTRICT, ANDHRA PRADESH  
INDIA**

**AND**

**ENGINEERS GATE ACADEMY**

**(Referred to as EGA)**

**#13-10, 1ST FLOOR, SRI VISHNUPRIYA COMPLEX, NEAR TOWER  
CLOCK SUBHASH ROAD, ANANTHAPURAMU. ANDHRA PRADESH  
INDIA**

## MEMORANDUM OF UNDERSTANDING

**Subject of Cooperation:** Promoting cooperation in academic areas of mutual interest on a basis of equality and reciprocity.

This memorandum of understanding (hereinafter called as "MOU") has been made and entered into on the day of 16 **OCTOBER 2019** by and between:

**SANTHIRAM ENGINEERING COLLEGE (Referred to as SREC) Nandyal-518501, Kurnool District, Andhra Pradesh-INDIA, having its campus at:**

**Address:** NH-18, Nandyal, Pincode :518501.  
Kurnool District, Andhara Pradesh, India.  
PHONE : 08514 – 276201 / 02 .  
FAX : 08514 – 276123.  
EMAIL : principal@srecnandyal.edu.in

Here in represented by **Dr. M. V.SUBRAMANYAM** in his capacity as **PRINCIPAL** of **SREC**, Nandyal, Kurnool District, Andhra Pradesh-INDIA, duly authorized here and the **Mr.NARAYANA SWAMY**, The director, Engineers GATE Academy having its office at:

**Address:** #13-10, 1ST FLOOR,  
SRI VISHNUPRIYA COMPLEX,  
NEAR TOWER CLOCK SUBHASH ROAD,  
ANANTHAPURAMU,  
ANDHRA PRADESH  
INDIA  
PHONE : 9704838326, 7036123236.  
EMAIL : narayanaswamy111@gmail.com

**Objective:**

This document outlines an understanding between Engineers Gate academy (EGA)– Service Provider and Santhiram engineering College (SREC) – Service Receiver to work together for Graduate Aptitude Test in Engineering (GATE) coaching classes for B. Tech Electronics and Communication Engineering (ECE) Students at Santhiram Engineering College.

**Parties:**

This MOU is between Service Provider - the Engineers Gate Academy, 1st floor, Vishnupriya Complex, Near Clock Tower, Subhash Road, Ananthapuramu, Andhra Pradesh and the Service Receiver – Santhiram Engineering College, Nandyal, Kurnool District, Andhra Pradesh.

**Terms and Conditions:**

1. Both the parties are agreed to enter into MoU on 16 October 2019.
2. This MoU is valid up to Five years from the date of enter. The EGA is agreed to conduct the GATE classes to 5 batches of students. Batch-1 is present III Year B.Tech students (2017) who will take up the GATE examination in 2021. Batch-2 comprises from 2018 ECE admitted students who will take up the GATE examination in 2022. Batch-3 comprises from 2019 ECE admitted students who will take up the GATE examination in 2023. Batch-4 comprises from 2020 ECE admitted students who will take up the GATE examination in 2024. Batch-5 comprises from 2021 ECE admitted students who will take up the GATE examination in 2025.
3. EGA is agreed to conduct the awareness programs on GATE examination, analysis of GATE examination with respect to cut-off marks, ranks, opportunities through GATE into public sector unit (PSUs), higher education through GATE etc. before start of the GATE caching for every batch.
4. Both the parties agreed to start the GATE classes if SREC is able to form a batch of minimum 60 ECE students and maximum of 80 students in every year November for III year B.Tech ECE students till they take up the GATE examination at their Final Year. If SREC is not able

- to form a batch of minimum 60 students, GATE Classes for that batch are suspended and service receiver is no need pay any instalment or cancellation fee for that batch.
5. The duration of GATE coaching for a batch is 14 Months. 12 Months for GATE coaching classes and 2 Months for Mock Tests.
  6. Both parties agreed to conduct the GATE classes during weekends (i.e, Friday and Saturday) of every week. EGA requested 6 hours per day to complete the syllabus with usual college timings.
  7. Both parties agreed that 30% of the quoted amount is to be paid by the end of the first month of the coaching and the next 30% of the quoted amount is to be paid by the end of 4th month of the coaching and the next 20% of the quoted amount is to be paid by the end of 8th month of the coaching remaining 20% of quoted amount is to be paid one month before the end of the coaching.
  8. The Accommodation and food expenses for trainers must be borne by the service provider. The transportation facility for trainers from Nandyal to SREC / SREC to Nandyal will be provided by SREC.
  9. If service provider fails in fulfilling commitment during the coaching, the service receiver has right to terminate the MOU without paying the instalment that comes after the failure of the service provider and service provider is liable to pay 50% of last instalment amount received.
  10. Though the service provider is fulfilling the responsibility, if the service receiver withdraws from the MOU, the service receiver is liable to pay the instalment that comes after the withdrawal.

#### Service Provider Responsibilities:

1. Online and offline practice tests shall be held.
2. 30 + subject wise grand tests (offline exam) shall be held.
3. 20 + full length GATE mock tests (online exam) shall be held.
4. After any tests (subject tests or GATE mock tests), explanatory answers shall be discussed in the class room itself.
5. 500 GATE standard questions on each subject shall be given as assignment after subject is over.
6. EGA has assured minimum of 10 % admitted students to qualify the GATE examination.

Service Receiver Responsibilities:

1. Considering the number of students, a separate class room is to be arranged with teaching aids (marker board, mike set and etc.).
2. The service receiver is to facilitate systems, internet and supporting staff for online exams whenever a soft copy of the model question paper of the GATE exam is given to the service receiver.

Director

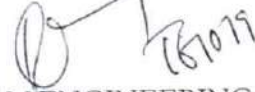


ENGINEERS GATE ACADEMY

Ananthapuramu

**ENGINEERS GATE ACADEMY**  
# 13-10, 1st Floor, Near Clock Tower,  
Subhash Road, ANANTAPUR - 515001.  
Mobile : 9704838326

Principal



SANTHIRAM ENGINEERING COLLEGE

Nandyal.  
**Dr. P. V. Subramanyam**  
B.E., M.Tech., Ph.D., MEEE, FIETE, MISTE, MIE, MCSI  
PRINCIPAL  
Santhiram Engineering College  
NANDYAL-518501, Kurnool (Dt.) A.P.



Principal  
**Santhiram Engineering College**  
NANDYAL





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

## OFFICE OF THE TRAINING AND PLACEMENT

### One day Awareness program on Career Prospective for Electronics and Communication Engineers

Organized By . : Training and Placement Office, SREC,  
Nandyal, Kurnool Dist., AP  
Resource Person : Mr. Narayana swamy, Engineers GATE Academy  
Date : 16.10.2019



Photo Inaguration of the Programme

A program on "Career Prospective for Electronics and Communication Engineers" was organized by the office of Training & Placement of SREC. The students of III Year B. Tech (ECE, CSE, EEE) from the host institution participated in the program. The program coordinator welcomed the gathering and delivered the felicitation address followed with Inaugural address by HoD Mr. Mallikarjuna Rao.

The <sup>Dept.</sup> training and placement <sup>Incharge</sup> Mr. S. Rambabu introduced the chief guest to the gathering next the chief guest Mr. Narayana swamy, Engineers gate academy delivered a speech. After the small tea break, the session was handed over to the resource person of the day.

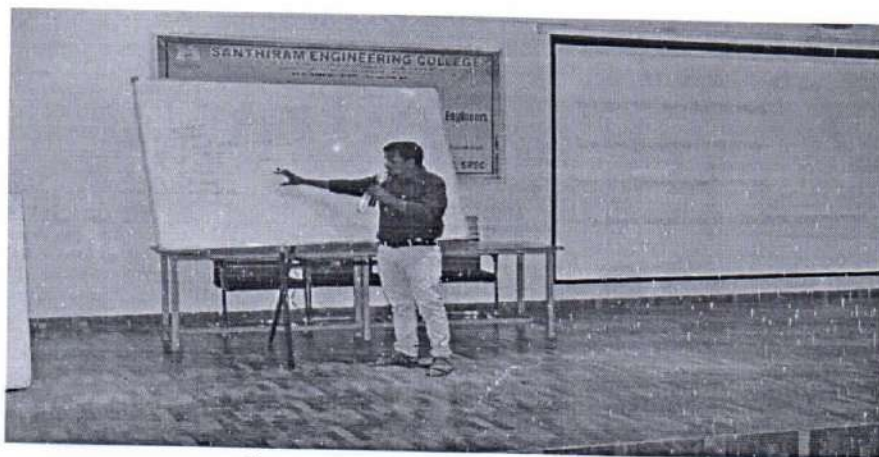


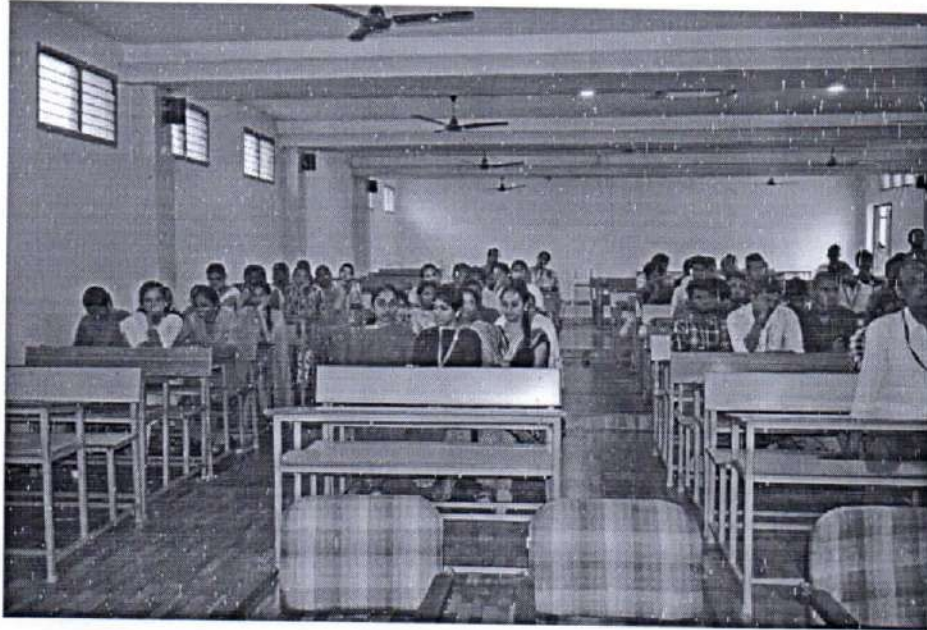
Photo: Session by Narayana swamy



# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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

## OFFICE OF THE TRAINING AND PLACEMENT



Students Participation in the Session

### SESSION-I (10:20 AM – 01:15 PM)

The first session was started at 10:20 AM and our chief guest given the orientation about the various shortcut methods to clear gate examination. He later explained some more important speed maths tricks to the participants.

### SESSION-II (2: 30 PM – 4:50 PM)

The second session was started at 2.30PM and our chief guest continued with some more problems solving with respect to the Aptitude chapters. He explained all the tricks and shortcuts as part of doubt clarifying session. The session came to an end after long interactions from the students. After the felicitation ceremony the program ended with National Anthem in the evening.

### Programme outcome:

In the session student learned the aptitude shortcuts and time management while solving a problem easy steps to get answers and it will help them to get good marks in examinations.

  
Principal  
Santhiram Engineering College  
NANDYAL

  
Program Coordinator



This Memorandum of Understanding (MoU) is effective as of 25-08-2019 (Effective Date) to establish an affiliation by and between

**Santhiram Engineering College**, Nandyal, Andhra Pradesh, located at NH-40, nerawda, Panyam, having expertise in the areas of scientific, technological education and research, established in 2007 hereinafter referred to as SREC, of the FIRST PART,

AND

**Chalapathi Institute of Technology**, having office at Abburi Raghavaiah Nagar, Mothakada, Guntur- 522016, Andhra Pradesh hereinafter referred to as CIT, of the SECOND PART, for the purpose of student's collaboration, faculty and staff collaboration in the academic and research activities.

The aforesaid institutions are hereinafter referred to individually as institute and collectively as institutes.

**PREAMBLE:**

WHEREAS, SREC and CIT have many areas of common interest in Engineering and Sciences, considerable advantage may be gained from their pursuit on a collaborative basis in the fields of administration, academics, education and research.

NOW THEREFORE, SREC and CIT have decided to enter into this Memorandum of Understanding (hereinafter referred to as MoU), which defines the framework for the cooperation of the two institutions set out in the following sections.



## **ARTICLE 1: OBJECTIVES**

Both Institutes agree to develop the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity.

The two institutions shall seek to promote:

### **A. Research**

1. Collaboration research and development, patents and consultancy studies in the field of mutual interest.
2. Undertaking joint research
3. Co-supervising post-graduate students.
4. Conducting joint consultancy work.
5. to propose and engage jointly in research or training programs sponsored by funding agencies, and to invite each other's faculty to participate therein

### **B. Academics**

1. The exchange of academic materials and publications.
2. Conducting lectures on specialized topics
3. Attachment of faculty for purposes of curriculum development and review, upgrading of teaching and research skills.
4. Participating in seminars, symposiums, and other types of academic discussions.
5. to organize jointly seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein
6. to jointly organize short-term continuing education programs on topics of mutual interest and to invite each other's faculty to participate therein
7. to use laboratory facilities in specific cases for a limited period
8. to conduct add-on/ certificate/ faculty development programs of their mutual interest.

### **C. Education**

1. Conducting lectures on teaching learning process
2. to exchange information on research and educational programs.

3. to exchange information on teaching, learning material and other literature relevant to their educational and research programs

#### **D. Administration and Others**

1. the provision of cultural and intellectual enrichment opportunities for staff and students of both institutes
2. Mutual cooperation in accreditation NAAC, NBA process
3. Mutual cooperation in training in administrative activities

A specific plan will be worked out for each activity; setting forth detailed arrangements for collaboration will be agreed. Terms and conditions for each visit or an assignment or such exchange, including those concerning salary, travel funding, health insurance, and housing will be worked out between the institutes.

SREC and CIT agree that detailed terms and conditions that guide each activity identified above will be determined separately and agreed upon by the two institutions. These terms shall include a technical description of the proposed activity, financial arrangements, and person(s) responsible for its implementation.

#### **ARTICLE 2: COORDINATION**

Each institution shall appoint one member of its teaching faculty to coordinate the programme on its behalf. Further, a coordination committee consisting of a programme coordinator from the side of SREC, and a programme coordinator from the side of CIT, will periodically review and identify ways to strengthen cooperation between the two institutions.

#### **ARTICLE 3: CONFIDENTIAL INFORMATION**

SREC and CIT does not absolve any confidential information during the research activity.

#### **ARTICLE 4: INTELLECTUAL PROPERTY RIGHTS**

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other industrial or intellectual property rights) developed jointly during

the course of this MOU shall be vested in both institutes to this Memorandum. Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both institutes shall make joint applications for the registration of the same. Before any registration or commercialisation of any intellectual property takes place, the institutes agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing. Any publication regarding such intellectual property shall only be possible with the prior written consent of both institutes, such consent not to be unreasonably withheld. The institutes shall be free to use perpetually the results arising out of the collaborating activities for its own internal teaching, research, educational, clinical and publication purposes without the payment of royalties or other fees to the other party.

#### **ARTICLE 5: VALIDITY**

The Memorandum shall remain in force for a period of **FIVE years** commencing from effective date. Institutions may extend the term by written agreement signed by both after review.

#### **ARTICLE 6: TERMINATION**

Either institution may terminate the MoU by giving written notice of six months in advance to the other institution. Once terminated, neither SREC nor CIT will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, SREC and CIT will ensure that the provisions of this Memorandum shall continue to apply to all activities in progress until their completion.

#### **ARTICLE 7: AMENDMENTS/MODIFICATIONS**

This MoU may be amended or modified by a written agreement signed by the representatives of both institutes.

#### **ARTICLE 8: ADHERENCE TO LAWS**



Participating faculties, staff and students involved in any activities under this Memorandum must adhere to rules and regulations of the host institutions.

**ARTICLE 9: LEGAL EFFECT**

Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

**ARTICLE 10: DISPUTE RESOLUTION**

In case, there be a dispute relating to any aspect of academic cooperation, Principal, SREC and Principal, CIT will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility. SREC and CIT welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

<p>Signed for SREC</p>  <p><b>PRINCIPAL</b> Santhiram Engineering College Nandyal, Kurnool(Dt.), A.P</p>	<p>Signed for CIT</p>  <p><b>PRINCIPAL</b> Chalapathi Institute Of Technology A.R.NAGAR, MOTHADAKA GUNTUR - 522 016</p>
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**Principal**  
**Santhiram Engineering College**  
**NANDYAL**



# SANTHIRAM ENGINEERING COLLEGE

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

## DEPARTMENT OF ELECTRONICS & COMMUNICATION

**One day Seminar on “Art of Writing Research Proposal” Dt: 26/10/2019**

Organizing Dept. : ECE DEPT, SANTHIRAM ENGINEERING COLLEGE,  
Nandyal, Kurnool Dist., AP  
Resource Person : Dr. P. V. Gopi Krishna Rao, Mr. V. V. Subbarao

A seminar on “Art of Writing Research Proposal” was organized by the Department of Electronics and Communication Engineering in collaboration with Chalapathi institute of technology. Faculties and Students from host institution and other institutions were participated in the program. The program coordinator welcomed the gathering and delivered introduction about the importance of the programme. Later Program coordinator calls Head of the department, Principal and resource person on to the dais. After that Head of the department address the gathering next Principal spoke about importance of the Program later resource person delivered importance of gathering in the seminar hall after completion there is small tea break, and then session was handed over to the chief guest and resource person of the day.

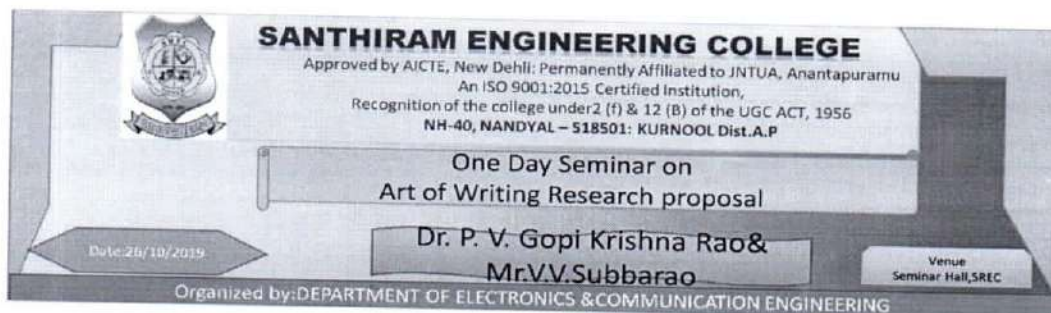


Photo1: Banner of the program

**(FN:10.00 AM to 1.00PM)**

The seminar commenced at 10.30 am in the Seminar Hall. The Resource Person Dr. P. V. Gopi Krishna Rao Explains Basics of Research, Design of Experiments using Taguchi method, Manuscript preparation and submission to highly reputed journals and how to solve the comments from reviewers .





# SANTHIRAM ENGINEERING COLLEGE

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

## DEPARTMENT OF ELECTRONICS & COMMUNICATION

Photo2: Participants in the program



AN:2.00PM to 4.30PM

The Resource Person Mr.V.V.Subbarao Explains about funding proposals. Later he shows some funding agencies and how to fill the forms.The session came to an end after long interactions from the Participants. After the felicitation ceremony the program ended with National Anthem in the evening.

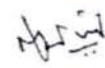
**PROGRAM OUT COME:** After Attending the Session the Participants are able to know the importance of

- ✓ Basics of Research,
- ✓ Experiments Design in research
- ✓ Recall Taguchi method
- ✓ How to write Thesis, Journal paper,
- ✓ How to get Research funding

Submitted By

  
Program Coordinator.

Forwarded By

  
HECE

  
**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P.



Sprouts Energy Pvt. Ltd.

**MEMORANDUM OF UNDERSTANDING**  
**IN CONSULTATION ON**  
**GRADUATIONS AND EDUCATIONAL PROGRAMS**

**BETWEEN**

**SANTHIRAM ENGINEERING COLLEGE**

(Referred to as SREC)

Nandyal - 518501, Kurnool District, Andhra Pradesh  
**INDIA**

**AND**

**SPROUTS ENERGY PRIVATE LIMITED,**

(Referred to as SEPL)

Mitankandala Village-518442, in Kurnool district of Andhra Pradesh.

**INDIA.**

## MEMORANDUM OF UNDERSTANDING

**Subject of Cooperation:** Promoting cooperation in academic areas of mutual interest on a basis of equality and reciprocity.

This memorandum of understanding (hereinafter called as "MOU") has been made and entered into on the day of **5<sup>th</sup> January 2017** by and between:

**SANTHIRAM ENGINEERING COLLEGE (Referred to as SREC)** Nandyal-518501,  
Kurnool District, Andhra Pradesh-INDIA, having its campus at:

**Address:** NH-18, Nandyal, Pincode :518501.  
Kurnool District, Andhara Pradesh, India.  
PHONE : 08514 – 276201 / 02.  
FAX : 08514 – 276123.  
EMAIL : [srec.nandyal@gmail.com](mailto:srec.nandyal@gmail.com).

Here in represented by **Dr. M. V. SUBRAMANYAM** in his capacity as Principal of **SREC**, Nandyal, Kurnool District, Andhra Pradesh-INDIA, duly authorized here and

**SPROUTS ENERGY PRIVATE LIMITED, (Referred to as SEPL)** Mittankandala Village-518442, Kurnool district, Andhra Pradesh, INDIA having its office at:

**Address:** Mittankandala Village-518442,  
Pamulapadu (M),  
Kurnool District, Andhara Pradesh, India.  
PHONE : 8886629942  
EMAIL : [sepl.mittakandala@gmail.com](mailto:sepl.mittakandala@gmail.com)

Here in represented by **Mr.B.V. PRATHAPA REDDY**, in his capacity as Managing Director of **SEPL** Mittankandala Village, Kurnool district, Andhra Pradesh, INDIA, duly authorized here to

**PREAMBLE:**

This MOU establishment with the view of promoting cooperation in academic education and research between **SREC** and the **SEPL (collectively referred to as parties)** establishes as basis for their further cooperation in academics in the following: whereas the parties with to explore and establish a basis for their further cooperation in the areas of mutual interest and agrees as follows:

**GENERAL SCOPE:** Both parties contemplated academic horizon through:

- If the college wishes to conduct the **Industrial visiting** of solar power plant, the SEPL will provide the opportunity to visit and also assign the Assistant Engineers/Trainers to guide the students in the field area of Solar plant, at Mittankandala, Kurnool.
- If the college prefers to organize the **workshop/seminar** on Renewable Energy/solar power plant to their institute students and students from other institute, the college will provide the infrastructure facility for conducting the workshop/Seminar. SEPL will extend its support by providing Assistant Engineers/Trainers as speakers as per Mutual agreed basis if there are no relevant sources in the college.
- The SEPL will extend its support in providing the **Industrial Training/Internship** opportunity to the students of this Institute during the semester or semester breaks based on their AEs/Trainers availability and climatic conditions as per the discussions of the two parties.
- The college is willing to collaborate with SEPL, if SEPL will facilitate the **stipend based Trainee/Job opportunity** to the students of the institute based the performance evaluation of student in the recruitment process of SEPL conducted in the college premises/ at SEPL office as per mutual understandings of college and SEPL.

Specific activities and programs to be carried under authority of this MOU shall be subject to availability of funds and the approval of each parties authorized representatives.

This MOU is not intended to create any legally binding obligation on either institution, but it is included to facilitate discussions regarding general areas of cooperation.

**DURATION OF MOU:**

This MOU shall remain in force for consecutive FIVE years from the date of the last signature. Either party may terminate this MOU by providing 60 days advance written letter to the other party. The parties may extend or renew this MOU by agreement, confirmed in a written amendment signed by each party's authorized signatory.

**DISPUTE SETTLEMENT:**

The parties will consult together upon request of either side regarding any matter relating to the terms of this MOU and will endeavour jointly in a spirit of cooperation and mutual trust to resolve any difficulties or misunderstandings which may arise.

**ADDITIONAL TERMS:**

The amendments of the terms of this MOU will be effective unless made in writing and signed by each party's authorized signatory. Each party represents that the individuals signing in this MOU have the authority to sign on its behalf in the capacity included.

Name: **Dr. M. V. SUBRAMANYAM**

Name: **Mr. B.V. PRATHAPA REDDY**

Title: **PRINCIPAL**

Title: **MANAGING DIRECTOR**

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

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

Date: **05.01.2017**

*Dr. M.V. Subramanyam*  
B.E., M.Tech, Ph.D, MIEEE, FIETE, IASTE, IIS, MCSI  
**PRINCIPAL**  
Santhiram Engineering College  
NANDYAL, Kurnool (Dt.) A.P.

*B.V. Prathapa Reddy*  
Signature: \_\_\_\_\_



*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, 2(f) & 12(B) recognition by UGC Act, 1956  
NH-40, Nandyal-518501:: Kurnool Dist.A.P.

Department: EEE

Date(s): 09-11-2019

Name of the program: Opportunities in Solar Power Plant

- To Become an Entrepreneur

Resource Person (s) with details: Mr.B.UDAY KUMAR REDDY,

Director,

Sprouts Energy Pvt. Lmt,

Kurnool, A.P.

### About the Program:

The Department of Electrical and Electronics Engineering & in association with IE(I) (518) and ISTE (AP-133) students chapter of Santhiram Engineering College has organized a One Day Seminar on **"Opportunities in Solar Power Plant - To Become an Entrepreneur"**, on **09-11-2019**.

The main motto of this program is to motivate the students to become a young Entrepreneur and to create the employment in small, medium and large scale start-up or company or any business. As part of this motto, one day seminar is conducted on opportunities in solar power plant by Mr. B.Uday Kumar as a speaker of this program. The students came to understand so many aspects for the establishment of solar plant, in this seminar, as follows:

- Subsidies provided by Governments, banks and their interest rates.
- Initial Capital Investment required to start the solar plant (interms Rupees per KWHr)
- Plant turnover per year/month/day (interms Rupees per KWHr)
- Site selection and its capital cost and legal issues on Right of Way(ROW).
- Regular maintenance and other expenditures.
- Precautions and do's and Don'ts in the site area.

The speaker shared a lot of practical things which he undergone in establishing the Sprouts Energy Private Limited. In conclusion, he conveyed that solar power plant is one of the best long run company with environmental friendly.

In this program, a total 73 EEE student participants are attended along with department faculty members.



# SRI MITTAPALLI INSTITUTE OF TECHNOLOGY FOR WOMEN

(Sponsored by Sri Mittapalli Trust, Narasaraopet)

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

NH-16, Tummalapalem, Guntur - 522 233, A.P. (CC:MK)

College : 0863-2344418  
FAX : 0863-2344417

E - mail : [smitw08@gmail.com](mailto:smitw08@gmail.com)  
Website : [www.smitw.ac.in](http://www.smitw.ac.in)

This Memorandum of Understanding (MoU) is effective as of 15-03-2018 (Effective Date) to establish an affiliation by and between

**Santhiram Engineering College**, Nandyal, Andhra Pradesh, located at NH-40, nerawda, Panyam, having expertise in the areas of scientific, technological education and research, established in 2007 hereinafter referred to as SREC, of the FIRST PART,

AND

**Sri Mittapalli Institute of Technology for Women**, having office at Tummalapalem, NH16, Guntur, Andhra Pradesh 522233, hereinafter referred to as SMITW, of the SECOND PART, for the purpose of student's collaboration, faculty and staff collaboration in the academic and research activities.

The aforesaid institutions are hereinafter referred to individually as institute and collectively as institutes.

## **PREAMBLE:**

WHEREAS, SREC and SMITW have many areas of common interest in Engineering and Sciences, considerable advantage may be gained from their pursuit on a collaborative basis in the fields of administration, academics, education and research.

NOW THEREFORE, SREC and SMITW have decided to enter into this Memorandum of Understanding (hereinafter referred to as MoU), which defines the framework for the cooperation of the two institutions set out in the following sections.

## ARTICLE 1: OBJECTIVES

Both Institutes agree to develop the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity.

The two institutions shall seek to promote:

### A. Research

1. Collaboration research and development, patents and consultancy studies in the field of mutual interest.
2. Undertaking joint research
3. Co-supervising post-graduate students.
4. Conducting joint consultancy work.
5. to propose and engage jointly in research or training programs sponsored by funding agencies, and to invite each other's faculty to participate therein

### B. Academics

1. The exchange of academic materials and publications.
2. Conducting lectures on specialized topics
3. Attachment of faculty for purposes of curriculum development and review, upgrading of teaching and research skills.
4. Participating in seminars, symposiums, and other types of academic discussions.
5. to organize jointly seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein
6. to jointly organize short-term continuing education programs on topics of mutual interest and to invite each other's faculty to participate therein
7. to use laboratory facilities in specific cases for a limited period
8. to conduct add-on/ certificate/ faculty development programs of their mutual interest.

### C. Education

1. Conducting lectures on teaching learning process
2. to exchange information on research and educational programs.



3. to exchange information on teaching, learning material and other literature relevant to their educational and research programs

#### **D. Administration and Others**

1. the provision of cultural and intellectual enrichment opportunities for staff and students of both institutes
2. Mutual cooperation in accreditation NAAC, NBA process
3. Mutual cooperation in training in administrative activities

A specific plan will be worked out for each activity; setting forth detailed arrangements for collaboration will be agreed. Terms and conditions for each visit or an assignment or such exchange, including those concerning salary, travel funding, health insurance, and housing will be worked out between the institutes.

SREC and SMITW agree that detailed terms and conditions that guide each activity identified above will be determined separately and agreed upon by the two institutions. These terms shall include a technical description of the proposed activity, financial arrangements, and person(s) responsible for its implementation.

#### **ARTICLE 2: COORDINATION**

Each institution shall appoint one member of its teaching faculty to coordinate the programme on its behalf. Further, a coordination committee consisting of a programme coordinator from the side of SREC, and a programme coordinator from the side of SMITW, will periodically review and identify ways to strengthen cooperation between the two institutions.

#### **ARTICLE 3: CONFIDENTIAL INFORMATION**

SREC and SMITW does not absolve any confidential information during the research activity.

#### **ARTICLE 4: INTELLECTUAL PROPERTY RIGHTS**

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer

software, and any other industrial or intellectual property rights) developed jointly during the course of this MOU shall be vested in both institutes to this Memorandum. Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both institutes shall make joint applications for the registration of the same. Before any registration or commercialisation of any intellectual property takes place, the institutes agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing. Any publication regarding such intellectual property shall only be possible with the prior written consent of both institutes, such consent not to be unreasonably withheld. The institutes shall be free to use perpetually the results arising out of the collaborating activities for its own internal teaching, research, educational, clinical and publication purposes without the payment of royalties or other fees to the other party.

#### **ARTICLE 5: VALIDITY**

The Memorandum shall remain in force for a period of **FIVE** years commencing from effective date. Institutions may extend the term by written agreement signed by both after review.

#### **ARTICLE 6: TERMINATION**

Either institution may terminate the MoU by giving written notice of six months in advance to the other institution. Once terminated, neither SREC nor SMITW will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, SREC and SMITW will ensure that the provisions of this Memorandum shall continue to apply to all activities in progress until their completion.

#### **ARTICLE 7: AMENDMENTS/MODIFICATIONS**

This MoU may be amended or modified by a written agreement signed by the representatives of both institutes.

#### **ARTICLE 8: ADHERENCE TO LAWS**

Participating faculties, staff and students involved in any activities under this Memorandum must adhere to rules and regulations of the host institutions.

**ARTICLE 9: LEGAL EFFECT**

Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

**ARTICLE 10: DISPUTE RESOLUTION**

In case, there be a dispute relating to any aspect of academic cooperation, Principal, SREC and Principal, SMITW will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility. SREC and SMITW welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

Signed for SREC

**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool(Dt), A.P

Signed for SMITW

**PRINCIPAL**  
Sri Mittapalli Institute of Technology for Women  
Tummalapalem GUNTUR



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



# SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi: Permanently Affiliated to JNTUA, Ananthapuramu.  
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NH-40, Nandyal - 518501:: Kurnool Dist. A.P.

## DEPARTMENT OF ELECTRONICS & COMMUNICATION

### **One week Short term training Program On “IoT Applications on Real time Embedded Systems 23-11-2019 to 29-11-2019**

Organizing Dept. : ECE Dept, SANTHIRAM ENGINEERING COLLEGE,  
Nandyal, Kurnool Dist., AP  
Resource Person : **Ms.G.Sowmya,V.Nagamani&K.Sunitha**

One week Short term training Program On “IoT Applications on Real time Embedded Systems was organized by the Department of Electronics Communication Engineering in collaboration with Sri Mittapalli Institute of Technology for women , chittoor Students and Faculties from host institution and other institutions were participated in the program. The program coordinator welcomed the gathering and delivered the felicitation address followed with Inaugural address by Principal Dr. M.V. Subramanyam. The Head of ECE department introduced the chief guest to the gathering before to chief guest address delivered by Mr.Y.Mallikarjuna Rao After the chief guest address and small tea break; the session was handed over to the chief guest and resource person of the day.

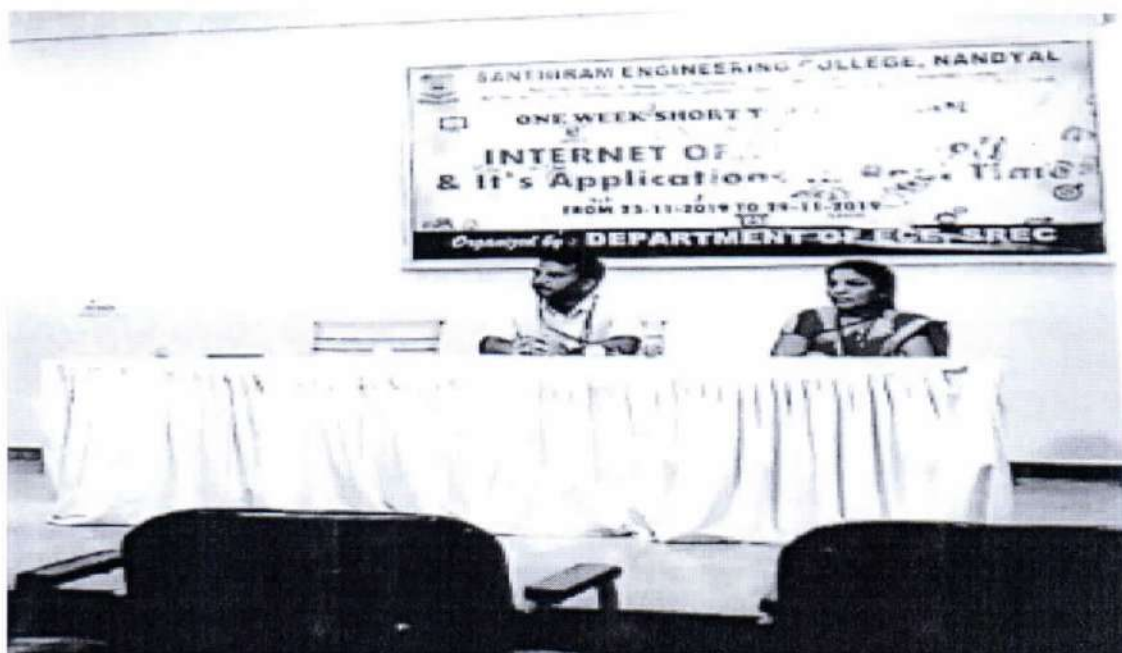


Photo1: Inauguration at seminar hall



# SANTHIRAM ENGINEERING COLLEGE

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

## DEPARTMENT OF ELECTRONICS & COMMUNICATION



Photo 2: Participants at program

### **Session 1:**

Introduction to IoT & different case studies in IOT

### **Session 2:**

Interfacing air quality sensor with Raspberry Pi \*Interfacing light intensity sensor with Raspberry Pi \*Interfacing of DHT sensor with Raspberry Pi

### **Session 3:**

- \* Introduction to IOT
- \* TI's Simple link WI-FI family
- \* Applications on CC 3200 Booster pack
- \* Thing speak installation & on hands application.

### **Session 4:**

- \* IOT system design approach
- \* Uploading sensors data with cloud
- \* Installation of freeboard & on hand applications
- \* Innovative idea by the students Project exhibition by the students.

### **Session 5:**

- \* Hands on sessions using Raspberry kits

### **Session 6:**

- \* Hands on sessions using CC3200 Booster pack

### **Session 7:**

- \* Innovative idea implementation by the students.

**Program Out Come:** After Attending the Session the 63 Participants are able to know the importance of

- Importance of Embedded systems
- Applications using raspberry systems

HECE

**PRINCIPAL**  
Santhiram Engineering College  
Nandyal, Kurnool (Dt.), A.P.

## MEMORANDUM OF UNDERSTANDING

IN CONSULTATION ON

TRAINING IN MODERN TECHNOLOGIES

BETWEEN

**SANTHIRAM ENGINEERING COLLEGE**



(Referred to as SREC)

NANDYAL - 518501, KURNOOL DISTRICT, ANDHRA PRADESH

INDIA

AND

**TAKEOFF EDU GROUP**

(A Division YoungMinds Technology Solutions Pvt Ltd)

### MEMORANDUM OF UNDERSTANDING

**Subject of Cooperation:** Promoting cooperation in academic areas of mutual interest on a basis of equality and reciprocity.

This memorandum of understanding (hereinafter called as "MOU") has been made and entered into on the day of **07 November 2019** by and between:

**SANTHIRAM ENGINEERING COLLEGE (Referred to as SREC) Nandyal-518501,**  
Kurnool District, Andhra Pradesh-INDIA, having its campus at:

**Address:** NH-18, Nandyal, Pincode :518501.  
Kurnool District, Andhra Pradesh, India.  
**PHONE :** 08514 – 276201 / 02 .  
**FAX :** 08514 – 276123.  
**EMAIL :** principal@srecnandyal.edu.in

Here in represented by **Dr.M.V.SUBRAMANYAM** in his capacity as **PRINCIPAL** of **SREC, Nandyal, Kurnool District, Andhra Pradesh-INDIA**, duly authorized here and the **Mr. VINAY ANGALAKURTHI**, The Managing Director, Takeoff Edu Group (A Division of YoungMinds Technology Solutions) having its office at:

**Address:** # 303,304, 3rd Floor, AVR Complex,  
Opposite to SV Music College,  
Balaji Colony,  
Tirupathi-517501.  
Andhra Pradesh ,India.  
**PHONE :** +91 9966062884  
**EMAIL :** vinay.takeoff@gmail.com

# takeoff edu<sup>®</sup>

## G R O U P

(A Division of Young Minds Technology Solutions Pvt. Ltd.)

*Your destiny is our destiny*



### Objective:

This document outlines an understanding between Takeoff Edu Group (TEG)– Service Provider and Santhiram Engineering College (SREC) – Service Receiver to work together to train the B. Tech Electronics and Communication Engineering (ECE) Students and faculty of ECE at Santhiram Engineering College in advanced technologies such IOT, Robotics, Artificial Intelligence, Machine Learning, Digital solutions etc.

### Parties:

This MOU is between Service Provider –Takeoff Edu Group-# 303,304, 3rd Floor, AVR Complex, Opposite to SVMusic College, Balaji Colony, Tirupathi-517502, Andhra Pradesh, India and the Service Receiver – Santhiram Engineering College, Nandyal, Kumool District, Andhra Pradesh.

### Terms and Conditions:

1. Both the parties are agreed to enter into MoU on 07 November 2019.
2. This MoU is valid up to five years from the date of enter.
3. Both parties agreed to conduct the training classes to B.Tech Electronics and Communication Engineering Students.
4. Both parties agreed to conduct the training classes to ECE faculty on advanced technologies.
5. The training programs include workshops, certificate programs, faculty development programs, short term training programs, seminars, expert lectures, guest lectures and internships etc.
6. The accommodation and food expenses for trainers during the training program must be borne by the service provider. The transportation facility for trainers from Nandyal to SREC / SREC to Nandyal will be provided by service receiver.
7. The service receiver may agree to conduct the offered program by the service provider if the technology offered, resource person and registration fee etc. are acceptable for both parties.
8. The minimum registrations for any training program is 35.



### Service Receiver Responsibilities:

1. The programs offered by service provider should be communicated to all the students and faculty of ECE through circulars, emails or social media.
2. Encourage the students and faculty to complete the necessary registrations to conduct the program.
3. If program is accepted by both parties, the registration fee should be collected by service receiver and make the payment to service provider.
4. Considering the number of students, a separate class room is to be arranged with teaching aids such as projector, marker board, mike set and etc.
5. The service receiver is to facilitate systems, internet and supporting staff for online exams if needed.

### Service Provider Responsibilities:

1. The service provider should constantly send the list of programs available in every semester.
2. The service provider should share the details of the program such as registration fee, technology, resource persons and their profile, program brochure etc. with service receiver.
3. For every training program sufficient number of trainer's/ resource persons should be arranged based on the number of registrations for that program.
4. The expenses for trainers such as accommodation, food, transportation etc should borne by the service provider.
5. All printing material to students, certificates to program participants should be made available by the service provider.



Managing Director

**TAKE OFF EDU GROUP**

(A Division of YoungMinds Technology Solutions Pvt Ltd.,)  
TIRUPATHI.



Principal

**SANTHIRAM ENGINEERING COLLEGE**

NANDYAL.



**Dr. M.V. Subramanyam**

B.E. M.Tech, P. D, MIEEE, FIETE, MISTE, MIE, MCSI

PRINCIPAL

Santhiram Engineering College

NANDYAL

1, Kurnool (Dt.) A.P.

Call @ 0877-2261612 | 9030333433

www.takeoffgroup.in

# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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

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 TRAINING AND PLACEMENT CELL

### Career Guidance Awareness Programme on "HIGHER EDUCATION"

Organized By : Training and Placement Cell, SREC,  
Nandyal, Kurnool Dist., AP  
Resource Person : Sowrya Consultancy & Take off edu Group  
Date : 10.12.2019

A career guidance Awareness Programme on "HIGHER EDUCATION" was organized by the Training & Placement Cell of SREC. IV-II Year B.Tech,(ECE,CSE,&MECH EEE) Engineering Students from the host institution participated in the program. The program coordinator welcomed the gathering and delivered the felicitation address followed with Inaugural address by Principal Dr. M.V. Subramanyam. The training and placement officer Mr. K. Kishore Naidu introduced the chief guest to the gathering. Next the speech delivered by Resource person. After the chief guests address and small tea break, the session was handed over to the chief guest and resource person of the day.

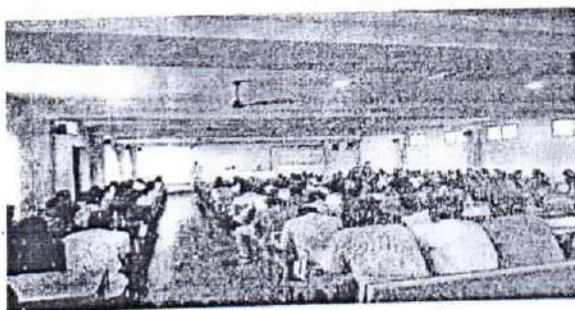


Fig: Introduction of the programme



Fig : Students at seminar hall

#### 10.12.2019: SESSION-I (10:00 AM – 01:15 PM)

The first session was started at 10:00 AM and our Resource person given the orientation about the Importance of higher education and what is process of getting admissions in various universities and he explained through PPT of Various Countries, and also explained what are the terms and conditions and policies documents required for the admission.

#### 10.12.2019: SESSION-II (2: 30 PM – 4:50 PM)

Second session was started at 2.30PM and our Resource Person Started with entrance examination patterns of ILTS & aptitude and importance of English language various universities offering courses and language skills importance and basic skills explained in the session by the resource person . After the felicitation ceremony the program ended with National Anthem in the evening.

**Programme Outcome:** Students learned what is requirement for the abroad education and what is the process to get admission in to various countries education sectors and what are the exams they have to prepare to get admission in various universities programme.

PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(DL), A.P.

Program Coordinator  
Kishore Naidu



Ref. : SJCET /

This Memorandum of Understanding (MoU) is effective as of 08-08-2018 (Effective Date) to establish an affiliation by and between

**Santhiram Engineering College**, Nandyal, Andhra Pradesh, located at NH-40, nerawda, Panyam, having expertise in the areas of scientific, technological education and research, established in 2007 hereinafter referred to as SREC, of the FIRST PART,

AND

**St. Johns College of Engineering & Technology** having office at Yerrakota, Yemmiganur - 518360, Andhra Pradesh, India hereinafter referred to as SJCET, of the SECOND PART, for the purpose of student's collaboration, faculty and staff collaboration in the academic and research activities.

The aforesaid institutions are hereinafter referred to individually as institute and collectively as institutes.

## **PREAMBLE:**

WHEREAS, SREC and SJCET have many areas of common interest in Engineering and Sciences, considerable advantage may be gained from their pursuit on a collaborative basis in the fields of administration, academics, education and research.

NOW THEREFORE, SREC and SJCET have decided to enter into this Memorandum of Understanding (hereinafter referred to as MoU), which defines the framework for the cooperation of the two institutions set out in the following sections.

  
**PRINCIPAL**  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR (M) Kurnool (Dt.) A.P

**Yerrakota, YEMMIGANUR - 518 360, Kurnool (Dist.), Andhra Pradesh, India.**

Ph.: 9394228566. 9963623801

Website : [www.sjcet.ac.in](http://www.sjcet.ac.in)

E-mail: [principal@sjcet.ac.in](mailto:principal@sjcet.ac.in)

## ARTICLE 1: OBJECTIVES

Both Institutes agree to develop the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity.

The two institutions shall seek to promote:

### **A. Research**

1. Collaboration research and development, patents and consultancy studies in the field of mutual interest.
2. Undertaking joint research
3. Co-supervising post-graduate students.
4. Conducting joint consultancy work.
5. to propose and engage jointly in research or training programs sponsored by funding agencies, and to invite each other's faculty to participate therein

### **B. Academics**

1. The exchange of academic materials and publications.
2. Conducting lectures on specialized topics
3. Attachment of faculty for purposes of curriculum development and review, upgrading of teaching and research skills.
4. Participating in seminars, symposiums, and other types of academic discussions.
5. to organize jointly seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein
6. to jointly organize short-term continuing education programs on topics of mutual interest and to invite each other's faculty to participate therein
7. to use laboratory facilities in specific cases for a limited period
8. to conduct add-on/ certificate/ faculty development programs of their mutual interest.

### **C. Education**

1. Conducting lectures on teaching learning process
2. to exchange information on research and educational programs.

**PRINCIPAL**  
St. Johns College of Engineering & Technology  
Yerakota, YEMMIGANUR (M) Kurnool(Dt.) A.P.

3. to exchange information on teaching, learning material and other literature relevant to their educational and research programs

#### **D. Administration and Others**

1. the provision of cultural and intellectual enrichment opportunities for staff and students of both institutes
2. Mutual cooperation in accreditation NAAC, NBA process
3. Mutual cooperation in training in administrative activities

A specific plan will be worked out for each activity; setting forth detailed arrangements for collaboration will be agreed. Terms and conditions for each visit or an assignment or such exchange, including those concerning salary, travel funding, health insurance, and housing will be worked out between the institutes.

SREC and SJ CET agree that detailed terms and conditions that guide each activity identified above will be determined separately and agreed upon by the two institutions. These terms shall include a technical description of the proposed activity, financial arrangements, and person(s) responsible for its implementation.

#### **ARTICLE 2: COORDINATION**

Each institution shall appoint one member of its teaching faculty to coordinate the programme on its behalf. Further, a coordination committee consisting of a programme coordinator from the side of SREC, and a programme coordinator from the side of SJ CET, will periodically review and identify ways to strengthen cooperation between the two institutions.

#### **ARTICLE 3: CONFIDENTIAL INFORMATION**

SREC and SJ CET does not absolve any confidential information during the research activity.

#### **ARTICLE 4: INTELLECTUAL PROPERTY RIGHTS**

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer

**PRINCIPAL**  
St. Johns College of Engineering & Technology  
Verrakota, YEMMIGANUR (M) Kurnool (Dt.) A.P

software, and any other industrial or intellectual property rights) developed jointly during the course of this MOU shall be vested in both institutes to this Memorandum. Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both institutes shall make joint applications for the registration of the same. Before any registration or commercialisation of any intellectual property takes place, the institutes agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing. Any publication regarding such intellectual property shall only be possible with the prior written consent of both institutes, such consent not to be unreasonably withheld. The institutes shall be free to use perpetually the results arising out of the collaborating activities for its own internal teaching, research, educational, clinical and publication purposes without the payment of royalties or other fees to the other party.

#### **ARTICLE 5: VALIDITY**

The Memorandum shall remain in force for a period of **FIVE years** commencing from effective date. Institutions may extend the term by written agreement signed by both after review.

#### **ARTICLE 6: TERMINATION**

Either institution may terminate the MoU by giving written notice of six months in advance to the other institution. Once terminated, neither SREC nor SJ CET will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, SREC and SJ CET will ensure that the provisions of this Memorandum shall continue to apply to all activities in progress until their completion.

#### **ARTICLE 7: AMENDMENTS/MODIFICATIONS**

This MoU may be amended or modified by a written agreement signed by the representatives of both institutes.

#### **ARTICLE 8: ADHERENCE TO LAWS**

Participating faculties, staff and students involved in any activities under this Memorandum must adhere to rules and regulations of the host institutions.

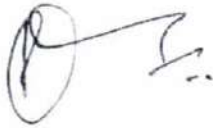

PRINCIPAL  
St. Johns College of Engineering & Technology  
Yerakota, YEMMIGANUR (M) Kurnool (DL) A.P.

## ARTICLE 9: LEGAL EFFECT

Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

## ARTICLE 10: DISPUTE RESOLUTION

In case, there be a dispute relating to any aspect of academic cooperation, Principal, SREC and Principal, SJ CET will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility. SREC and SJ CET welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

<p>Signed for SREC</p>  <p><b>Dr. M.V. Subramanyam</b> B.E, M.Tech, Ph.D, MIEEE, FIETE, MISTE, MIE, MCSI <b>PRINCIPAL</b> Santhiram Engineering College NANDYAL-518501, Kurnool (Dt.) A.P.</p>	<p>Signed for SJ CET</p>  <p><b>PRINCIPAL</b> St. Johns College of Engineering &amp; Technology Yerrakota, YEMMIGANUR (M) Kurnool (Dt.) A.P</p>
---	--

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



# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

(Approved by AICTE, New Delhi; Permanent Affiliated to JNTU-A, Anantapuram)  
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 ELECTRONICS & COMMUNICATION ENGINEERING

Dt: 11/02/2020

## One-page report on

Program : **Simulation of Electronic Circuits using E-Sim**  
Organizing Dept. : ECE, SREC. Nandyal, Kurnool Dist., AP  
Resource Person : **Mr. S. ARIF BASHA**, Assistant Professor, Dept. of ECE,  
SREC, Nandyal.

**Mr..M.S.Siva Kumar**,. Assistant Professor, St.Johns Engg College

Program Objectives:

- To encourage open source EDA Tools for simulation of electronic circuits.
- To simulate and perform analysis of various electronic circuits using ESIM tool

**One week Addon program on Simulation of Electronic Circuits using E-Sim** was organized by the Department of ECE in collaboration with St.Johns Engineering College. II Year B. Tech, ECE Students from the host institution was participated in the program. **Mr. S. Arif Basha**, Assistant Professor, Dept. of ECE from host institution and **Mr.MS.Siva Kumar**, Assistant Professor, St.Johns Engg College were the resource persons of this program. The program coordinator **Ms. T. Nagamani** welcomed the gathering and delivered the welcome note. Principal, **Dr.M.V. Subramanyam** and Head of department **Dr. Y. Mallikarjuna Rao** were also present in the Inaugural function.

**Dr. Y. Mallikarjuna Rao** has introduced the resource person to the gathering and delivered the importance and essence of this program. **Dr.M.V. Subramanyam** has addressed the gathering with his speech on how electronic devices and circuits plays a vital role in the Industry and essence of simulation of electronic circuits with open source.

After a small tea break, the session was handed over to the resource person of the day.





# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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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.


## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING


The session came to an end after long interactions from the students. After the felicitation

ceremony the program ended with National Anthem in the evening. In this program total 94 students were actively participated from host institution and completed the course successfully and also they received Participation certificates.

### Program Outcomes:

- The students are able to know the download and installation procedure of ESIM tool
- The students are able to simulate and perform analysis (Transient, DC & AC) of various electronic circuits such as rectifiers, regulators, oscillators etc.

  
Coordinator

  
HOD

  
- PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P.

**MEMORANDUM OF UNDERSTANDING**  
**IN CONSULTATION ON**  
**EDUCATIONAL PROGRAMS on RESEARCH**

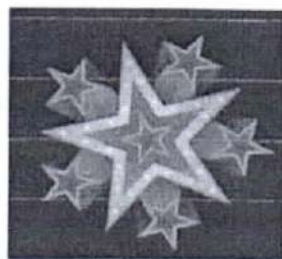
**BETWEEN**



**SANTHIRAM ENGINEERING COLLEGE**  
(Referred to as SREC)

Nandyal - 518501, Kurnool District, Andhra Pradesh, INDIA

**AND**



**RESEARCH STARS ASSOCIATION,**

Murthy Educational Community Centre for Youth

Registration No.: **314/2013**

Kothapeta, CTM (Post), Madanapalle (Mandal), Chittoor (Dist.) Andhra Pradesh, PIN: 517319, India

*Principal*  
**Santhiram Engineering College**  
NANDYAL



## RESEARCH STARS ASSOCIATION

Murthy Educational Community Center for Youth

Web: [www.researchstars.org](http://www.researchstars.org) Mail: [editor.researchstars@gmail.com](mailto:editor.researchstars@gmail.com)

Address: Kothapeta, CTM (Post), Madanapalle (Mandal), Chittoor (Dist.) Andhra Pradesh, PIN: 517319, India

*About us:* Research Stars is an international community of researchers, academicians, corporate practitioners, students and educationists for the development of ideas and spread in the field of research and education through sharing of information.

### MEMORANDUM OF UNDERSTANDING

This Memorandum Of Understanding (hereinafter called as "MOU") has been made and entered on the day of Monday 19<sup>th</sup> September, 2016

#### By and Between

M/S Sri Shirdi Sai Educational Academy, Nandyal running Santhiram Engineering College (Hereinafter to be referred as SREC) represented by its Chairman Dr. Santhiramudu, which expression shall, where the context so admits, be deemed to include its successors, executors and administrators of the ONE PART

#### AND

Research Stars Association (Hereinafter to be referred as Research Stars) is part of the Murthy Educational Community Centre for Youth. Research Stars Association is an international community of researchers, academicians, corporate practitioners, students and educationists for the development of ideas and spread in the field of research and education through sharing of information. represented by its Director Dr. Srinivasa Rao Kasisomayajula, which expression shall, where the context so admits, be deemed to include its successors, executors and administrators of the OTHER PART

#### 1. OBJECTIVES OF THE MOU

The objectives of the MOU are:

- To provide necessary support such as workshops/seminars/conferences etc., for implementation of quality in research at SREC.
- To provide professional training/development programs for the faculty.
- To provide various certificate programs to the students in the relevant area.
- To promote and enhance academic and research interest between Corporate & SREC.

#### 2. GENERAL TERMS OF MOU

##### 2.1 Duration of MOU:

This MOU shall be operational upon signing and will have an initial duration of 5 years from the date of the signature.



## RESEARCH STARS ASSOCIATION

Murthy Educational Community Center for Youth

Web: [www.researchstars.org](http://www.researchstars.org) Mail: [editor.researchstars@gmail.com](mailto:editor.researchstars@gmail.com)

Address: Kothapeta, CTM (Post), Madanapalle (Mandal), Chittoor (Dist.) Andhra Pradesh. PIN: 517319, India

*About us:* Research Stars is an international community of researchers, academicians, corporate practitioners, students and educationists for the development of ideas and spread in the field of research and education through sharing of information.

### 2.2. Coordination:

In order to carry out and fulfil the aims of this agreement, each party will appoint an appropriate person(s) to represent their organisations and to coordinate for implementation of the activities.

### 3. TERMINATION OF MOU:

This MOU can be terminated upon the mutual agreement of both the parties. Either party may terminate this MOU by providing 60 days' advance by a written letter to the other party.

### 4. EXTENSION OF AGREEMENT:

The MOU may be extended or renewed (after the agreed period of 5 years) provided both parties agree upon, and confirmed in a written amendment signed by each party's authorized signatory.

### 5. COMMUNICATIONS:

All notice, demands and other communication under this agreement in connection herewith shall be written in English language and shall be sent to the last known address, email, or fax to the concerned party. Any notice shall be effective from the date on which it resolves the other party.

### 6. DATA PRIVACY POLICY:

Data provided by the parties will not be used for any other purpose and will not be shared to any other organisations.

### 7. DISPUTE SETTLEMENT:

The parties will consult together upon request of either side regarding any matter relating to the terms of this MOU and will endeavour jointly in a spirit of cooperation and mutual trust to resolve any difficulties or misunderstandings which may arise.

### 8. ADDITIONAL TERMS:

The amendments of the terms of this MOU will be effective unless made in writing and signed by each party's authorized signatory. Each party represents that the individuals signing in this MOU have the authority to sign on its behalf in the capacity included.

Mob: + 919010343677, 7674899899 Registration No.: 314/2013



## RESEARCH STARS ASSOCIATION

Murthy Educational Community Center for Youth

Web: [www.researchstars.org](http://www.researchstars.org) Mail: [editor.researchstars@gmail.com](mailto:editor.researchstars@gmail.com)

Address: Kothapeta, CTM (Post), Madanapalle (Mandal), Chittoor (Dist) Andhra Pradesh, PIN: 517319, India

**About us:** Research Stars is an international community of researchers, academicians, corporate practitioners, students and educationists for the development of ideas and spread in the field of research and education through sharing of information.

### 9. ADDENDUM:

Any addendum to this MOU shall be in writing and signed by both parties IN WITNESS WHEREOF, the parties hereto have executed this MOU on the 19<sup>th</sup> day of September, 2016.

This MOU is not intended to create any legally binding obligation on either institution, but it is included to facilitate discussions regarding general areas of cooperation.

Signed on behalf of

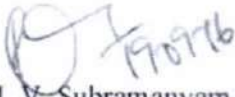
Signed on behalf of

For Institution:


For

**Santhiram Engineering College**

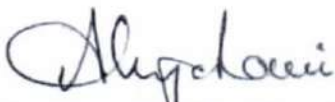
**Research Stars Association**

  
Dr. M. V. Subramanyam  
Principal  
Date: 19<sup>th</sup> September, 2016



  
Dr. Srinivasa Rao Kasisomayajula  
Director  
Date: 19<sup>th</sup> September, 2016

Witnessed by:



1. Name: Dr. A.K. Neeraja Rani  
Head of the Department  
Dept of MBA,  
Santhiram Engineering College



2. Name: Mr. Bedaduri Ramamurthy  
Secretary & Correspondent,  
Research Stars Association

Date: 19<sup>th</sup> September, 2016

Date: 19<sup>th</sup> September, 2016

Page No. 4

  
Principal  
**Santhiram Engineering College**  
NANDYAL



# SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

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

## Department of MBA

### One day workshop

On

### Awareness on Financial Literacy and Entrepreneurship

**Date:** 04/03/2020

**Organizing Dept. :** Dept of MBA  
SANTHIRAM ENGINEERING COLLEGE,  
Nandyal, Kurnool Dist., AP

The Department of MBA organized one day Entrepreneurship Development Program on Awareness on **Financial Literacy and Entrepreneurship in association with Research Stars Association, Madanapalli.** The students from MBA - SREC and also from other colleges were participated in the program. The Inauguration was held on **04/03/2020 at 10.00 AM** in the conference hall by Principal - Dr. M.V. Subramanyam garu.

Dr.K. Srinivasa Rao, Director, Research Stars Association, Madanapalli, was the resource person for one day workshop. The program highlighted about Importance Financial Literacy for Entrepreneurs. He covered the concepts of financial literacy indicators, App developments and administration and Practical start-ups with Innovative Ideas

The following are the outcomes of the Program:

By the attending the Entrepreneurship Development Program Participants

- To implement the financial source of an enterprise.
- To apply the financial indicators in the business.
- How to develop the successful projects in Entrepreneurship.
- Develop the APP for the development of the business.

In the last session we collected the feedback about the program from the participants.

*C. Vindya Varini*  
Program Coordinator

*Alegolacai*  
HOD-MBA

*Principal*  
Santhiram Engineering College  
NANDYAL



codegnan IT SOLUTIONS (OPC) Pvt. Ltd.



+91 9959 555 952



info@codegnan.com



www.codegnan.com

## MEMORANDUM OF UNDERSTANDING

*BETWEEN*



**SANTHIRAM ENGINEERING COLLEGE**

**Nandyal - 518501, Kurnool District, Andhra Pradesh, India.**

*AND*



**CODEGNAN IT SOLUTIONS (OPC) PVT LTD**

H.No 40-5-19/16, Prasad Naidu Complex, P.B.Siddhartha Busstop, Moghalrajpuram,  
Vijayawada, Andhra Pradesh 520010

**SRI UPPUGUNDLA SAIRAM**

Founder and C.E.O,  
CODEGNAN IT SOLUTIONS (OPC) PVT LTD.,  
Vijayawada, Andhra Pradesh 520010  
www.codegnan.com

**MAKAM VENKATA SUBRAMANYAM**

Principal,  
SANTHIRAM ENGINEERING COLLEGE,  
NH-18, Nerawada 'X' Roads, Nandyal, Kurnool,  
Andhra Pradesh 518501  
www.sreknandyal.edu.in/

Principal  
Santhiram Engineering College  
NANDYAL



# 40-5-19/16, Prasad Naidu Complex,  
P.B.Siddhartha Busstop, Moghalrajpuram  
Vijayawada-520010



codegnan IT SOLUTIONS (OPC) Pvt. Ltd.



+91 9959 555 952



info@codegnan.com



www.codegnan.com

## MEMORANDUM OF UNDERSTANDING BETWEEN



**CODEGNAN IT SOLUTIONS (OPC) PVT LTD**

**AND**



**SANTIRAM ENGINEERING COLLEGE - SREC**

This Agreement is entered into and executed on this day 06-07-2019, at Nandyal.

**M/s. Codegnan IT Solutions (OPC) Pvt Ltd** Office No. 40-5-19/16, Prasad Naidu Complex, P.B.Siddhartha Busstop, Mohalrajpuram, Vijayawada-520010, Andhra Pradesh, India as **FIRST PARTY** hereinafter referred to as **Codegnan**

**AND**

**SANTHIRAM ENGINEERING COLLEGE, NH-18, Nerawada 'X' Roads, Nandyal, Kurnool, Andhra Pradesh 518501** as **SECOND PARTY** hereafter referred as **Institution**.

Codegnan and Institution are individually referred as "party" and together as "parties"

This MOU is entered into on 6<sup>th</sup> day of July 2019 with the view of promoting cooperation in academic education, research and student placement between **SREC** and the **Codegnan IT Solutions Pvt. Ltd** as basis for their further cooperation in academics and placements under mutual interest and agreed terms.



# 40-5-19/16, Prasad Naidu Complex,  
P.B.Siddhartha Busstop, Moghalrajpuram  
Vijayawada-520010





## Agreement

This Agreement is entered into and executed on this day 06-07-2019, at Nandyal.

### By and Between

**Santhiram Engineering College**, having its registered office at, NH-40, Nerawada 'X' Roads, Nandyal, Kurnool, Andhra Pradesh India 518501 here-in-after referred as **SREC**, is approved by AICTE, New Delhi & affiliated to JNTU, Anantapuram represented by Authorized Signatory, herein after called as the **FIRST PARTY**.

AND

**M/s. Codegnan IT Solutions (OPC) Pvt Ltd** (hereinafter referred to as Codegnan) Sri. Uppugandla Sairam Founder & C.E.O having its office Moghalrajpuram, Vijayawada, Andhra Pradesh (which expression, unless it is repugnant to the context or meaning thereof, shall be deemed to mean and include their executors, administrators and assigns) here-in-after referred as **Codegnan**, the party of the **SECONDPARTY**.



### **OBJECTIVES OF THE MOU:**

- To impart domain-specific training to the students of the SREC through expert sessions, seminars, workshops, Faculty development sessions, internships, short-term and long term projects on campus, and off-campus (in the industry) at regular intervals to make them employable and corporate fit.
- Intrusting the platform for Decision making, Interview techniques, for all the students & faculty members of SREC.
- To facilitate regular interaction between the Faculty of the Institutes and the experts of the Industry in mutually agreeable areas according to the time slots fixed.
- To provide professional training programs for placements.
- To explore the possibilities of mutual support between the Institute and Industry in learning, hiring, and research requirements based on mutual convenience.
- To provide regular inputs for up-gradation of the course curriculum to suit the industry requirements
- To provide Online Training with Certifications in Data Science, Internet of Things with the cost of training discussed prior.
- To undertake joint R&D and consultancy projects with the faculty members of SREC and involvement of specialists at the National and International Level whenever possible.

Specific activities and programs implemented under the authority of this MOU shall be subject to the availability of funds, and the approval of each party authorized representatives.



### **TERMS & CONDITIONS:**

- a) The cost of providing infrastructure at SREC should be borne by SREC.
- b) To organize activities at SREC, travel, and other expenses of Codegnan staff should be by SREC on mutually agreed terms.
- c) The faculty members and students of SREC can use the e-resources of Codegnan for a short-time according to the sessions conducted
- d) This MOU may be amended, renewed and terminated by mutual written agreement of the Codegnan and SREC at any time with prior intimation
- e) Depending on both parties requirement, to hire the talent from the Institutes regularly through on-campus and off-campus recruitment drives
- f) Either Codegnan or SREC shall have the right to terminate this MOU upon 60 days prior written notice to the other party.

### **DURATION OF MOU:**

This MOU, unless extended by mutual written consent of both parties shall expire in **Three (03) years** after the effective date specified in the opening paragraph. However, on review, the MOU shall be extended for another TWO years by mutual consent.



codegnan IT SOLUTIONS (OPC) Pvt. Ltd.



+91 9959 555 952



info@codegnan.com



www.codegnan.com

### COORDINATORS:

Both parties will designate persons who will have responsibility for the coordination and implementation of this agreement.

**For CODEGNAN IT SOLUTIONS (OPC) PVT LTD.  
FIRST PARTY**

For Codegnan IT Solutions (OPC) Pvt. Ltd.

*U. Sairam* Director.

**SRI UPPUGUNDLA SAIRAM**  
Founder and C.E.O,  
CODEGNAN IT SOLUTIONS (OPC) PVT LTD.,  
Vijayawada, Andhra Pradesh 520010  
www.codegnan.com



**For Santhiram Engineering College  
SECOND PARTY**

*Principal*

**Santhiram Engineering College  
NANDYAL**

**MAKAM VENKATA SUBRAMANYAM**  
Principal,  
SANTHIRAM ENGINEERING COLLEGE,  
NH-18, Nerawada 'X' Roads, Nandyal,  
Kurnool, Andhra Pradesh 518501



*Principal*  
**Santhiram Engineering College  
NANDYAL**

# 40-5-19/16, Prasad Naidu Complex,  
P.B. Siddhartha Busstop, Moshalrajpuram  
Vijayawada-520010



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

## Department of CSE

### **One Week Online Faculty Development Program**

**On**

**AN INNOVATIVE RESEARCH TRENDS IN DATA SCIENCE USING R PROGRAMMING”.**

**From 26.05.2020 to 31.05.2020**

**Organizing Dept.** : Dept of CSE  
SANTHIRAM ENGINEERING COLLEGE,  
Nandyal, Kurnool Dist., AP

The Department of CSE organized 6-days Faculty Development Program on “**AN INNOVATIVE RESEARCH TRENDS IN DATA SCIENCE USING R PROGRAMMING**” in association with Codegnan IT Solutions (OPC) Pvt.Ltd which is done MOU with SREC. The Faculties from CSE - SREC and also from other colleges were participated in the program.

The Inauguration was held on **26.05.2020 at 05.00 PM** on online (through ZOOM) by The Principal - Dr.M.V. Subramanyam garu.

K.SAKESTH Reddy, Head of DATA SCIENCE TRAINER, was the resource person for the program. The following are the topics covered in all the sessions.

26.05.2020 of the program highlighted about the financial concepts like Data Science vs. Artificial Intelligence.

27.05.2020 & 28.05.2020 Understanding the Importance of R Programming, Managing Workspace and Working with Data, R Libraries for Data Analysis, Reading Data into R, Data Visualization using R , Bar Plots, Histogram, Scatter Plots and Line plots,

29.05.2020 Data Visualization using ggplot2, Scatter Plots, Line Plots, Bar Plots, Histogram,

30.05.2020 Understanding Machine Learning, Introduction and Types of Learning, Building a Machine Learning Model

31.05.2020 Natural Language Processing and its Use cases, Text Classification and Extracting Information finally completed with vote of thanks.

In the last session we collected the feedback about the program from the participants by using the google link. And we distributed the e-certificates to the participants to their registered mail IDs

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Following are the outcomes of the Program:

For the attending the FDP Participants

- Participants can be able to understand the Data science and how important it is in present generation.
- Participants can be able to Know the scope of Data science with R Programming

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ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM

ON

"AN INNOVATIVE RESEARCH TRENDS IN DATA SCIENCE USING R PROGRAMMING"

Organized by Dept. of Computer Science & Engineering

IN COLLABORATION WITH

DATE: 27-05-2020

VENUE: ZOOM PLATFORM

RESOURCE PERSON: K.SAKETH REDDY

IN ASSOCIATION WITH

ORGANIZED BY: DEPARTMENT OF CSE

Banner of the program

Welcome to the All Participants for  
One Week Online Faculty Development Program  
ON  
"AN INNOVATIVE RESEARCH TRENDS IN  
DATA SCIENCE USING R PROGRAMMING"

Understanding the Importance of R Programming  
Managing Workflows and Working with Data  
R Packages for Data Analysis

Resource Person: K.Saketh Reddy

Date: 27-05-2020

Venue: Zoom Platform

ORGANIZED BY: DEPARTMENT OF CSE

Second day presentation of the program

Program Coordinator

Signature of Program Coordinator

Signature of Principal

PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(Dt.), A.P.



# QIS COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Approved by AICTE - Permanent Affiliation: JNTU Kakinada - UGC Recognised  
Accredited by NAAC with 'A' Grade - Accredited by NBA - ISO 9001: 2015 Certified

This Memorandum of Understanding (MoU) is effective as of **01-02-2019** (Effective Date) to establish an affiliation by and between

**Santhiram Engineering College**, Nandyal, Andhra Pradesh, located at NH-40, nerawda, Panyam, having expertise in the areas of scientific, technological education and research, established in 2007 hereinafter referred to as SREC, of the FIRST PART,

AND

**QIS College of Engineering and Technology** having office at Ponduru Road, Vengamukkapalem, Ongole, Prakasam Dt Andhra Pradesh-523272, India hereinafter referred to as QIS, of the SECOND PART, for the purpose of student's collaboration, faculty and staff collaboration in the academic and research activities.

The aforesaid institutions are hereinafter referred to individually as institute and collectively as institutes.

## **PREAMBLE:**

WHEREAS, SREC and QIS have many areas of common interest in Engineering and Sciences, considerable advantage may be gained from their pursuit on a collaborative basis in the fields of administration, academics, education and research.

NOW THEREFORE, SREC and QIS have decided to enter into this Memorandum of Understanding (hereinafter referred to as MoU), which defines the framework for the cooperation of the two institutions set out in the following sections.

## **ARTICLE 1: OBJECTIVES**

Both Institutes agree to develop the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity.

The two institutions shall seek to promote:

### **A. Research**

1. Collaboration research and development, patents and consultancy studies in the field of mutual interest.
2. Undertaking joint research
3. Co-supervising post-graduate students.
4. Conducting joint consultancy work.
5. to propose and engage jointly in research or training programs sponsored by funding agencies, and to invite each other's faculty to participate therein

### **B. Academics**

1. The exchange of academic materials and publications.
2. Conducting lectures on specialized topics
3. Attachment of faculty for purposes of curriculum development and review, upgrading of teaching and research skills.
4. Participating in seminars, symposiums, and other types of academic discussions.
5. to organize jointly seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein
6. to jointly organize short-term continuing education programs on topics of mutual interest and to invite each other's faculty to participate therein
7. to use laboratory facilities in specific cases for a limited period
8. to conduct add-on/ certificate/ faculty development programs of their mutual interest.

### **C. Education**

1. Conducting lectures on teaching learning process
2. to exchange information on research and educational programs.



3. to exchange information on teaching, learning material and other literature relevant to their educational and research programs

#### **D. Administration and Others**

1. the provision of cultural and intellectual enrichment opportunities for staff and students of both institutes
2. Mutual cooperation in accreditation NAAC, NBA process
3. Mutual cooperation in training in administrative activities

A specific plan will be worked out for each activity; setting forth detailed arrangements for collaboration will be agreed. Terms and conditions for each visit or an assignment or such exchange, including those concerning salary, travel funding, health insurance, and housing will be worked out between the institutes.

SREC and QIS agree that detailed terms and conditions that guide each activity identified above will be determined separately and agreed upon by the two institutions. These terms shall include a technical description of the proposed activity, financial arrangements, and person(s) responsible for its implementation.

#### **ARTICLE 2: COORDINATION**

Each institution shall appoint one member of its teaching faculty to coordinate the programme on its behalf. Further, a coordination committee consisting of a programme coordinator from the side of SREC, and a programme coordinator from the side of QIS, will periodically review and identify ways to strengthen cooperation between the two institutions.

#### **ARTICLE 3: CONFIDENTIAL INFORMATION**

SREC and QIS does not absolve any confidential information during the research activity.

#### **ARTICLE 4: INTELLECTUAL PROPERTY RIGHTS**

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other industrial or intellectual property rights) developed jointly during

the course of this MOU shall be vested in both institutes to this Memorandum. Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both institutes shall make joint applications for the registration of the same. Before any registration or commercialisation of any intellectual property takes place, the institutes agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing. Any publication regarding such intellectual property shall only be possible with the prior written consent of both institutes, such consent not to be unreasonably withheld. The institutes shall be free to use perpetually the results arising out of the collaborating activities for its own internal teaching, research, educational, clinical and publication purposes without the payment of royalties or other fees to the other party.

#### **ARTICLE 5: VALIDITY**

The Memorandum shall remain in force for a period of FIVE years commencing from effective date. Institutions may extend the term by written agreement signed by both after review.

#### **ARTICLE 6: TERMINATION**

Either institution may terminate the MoU by giving written notice of six months in advance to the other institution. Once terminated, neither SREC nor QIS will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, SREC and QIS will ensure that the provisions of this Memorandum shall continue to apply to all activities in progress until their completion.

#### **ARTICLE 7: AMENDMENTS/MODIFICATIONS**

This MoU may be amended or modified by a written agreement signed by the representatives of both institutes.

#### **ARTICLE 8: ADHERENCE TO LAWS**



Participating faculties, staff and students involved in any activities under this Memorandum must adhere to rules and regulations of the host institutions.

**ARTICLE 9: LEGAL EFFECT**

Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

**ARTICLE 10: DISPUTE RESOLUTION**

In case, there be a dispute relating to any aspect of academic cooperation, Principal, SREC and Principal, QIS will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility. SREC and QIS welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

<p>Signed for SREC</p>  <p><b>Dr. M.V. Subramanyam</b> B.E., M.Tech, Ph.D, MIEEE, FIETE, MISTE, MIE, MCSI PRINCIPAL Santhiram Engineering College NANDYAL-513201, Kurnool (Dt.) A.P.</p>	<p>Signed for QIS</p>  <p><b>PRINCIPAL</b> QIS College of Engineering &amp; Technology VENGAMUKKAPALEM, ONGOLE-523 272.</p>
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**Principal**  
**Santhiram Engineering College**  
**NANDYAL**



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## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Dt: 08/06/2020

### One-page report on

- Program : **IoT and Its Applications in real times**
- Organizing Dept. : Electronics & Communication Engineering,  
SREC, Nandyal, Kurnool Dist., AP
- Resource Persons : 1) **Ms. G. Sowmya** &, Dept. of ECE, SREC.  
2) **Mr. N. Sreenivasa Rao**, Dept. of ECE, SREC  
3) **P. Bindu**, ECE Dept, QIS College of Engineering  
and technology

#### **Program Objectives:**

- To encourage IOT platform with Raspberry pi for real time applications.
- To introduce Python programming tool to develop programming's for configuration of devices
- To introduce various microprocessors and microcontrollers for control and monitoring.

One-week online Addon program on IOT and Its Applications in real times was organized by the Department of ECE through ZOOM app platform. The II&III Year B. Tech, ECE Students from the host institution were participated in the program. **Ms. G. Sowmya & Mr. N. Sreenivasa Rao**, from host institution & **Mr.P.Bindu** from QIS were acted as resource persons to this program. The program coordinator Ms. S. Jayamangala welcomed the gathering and delivered the welcome note. Principal, Dr.M.V. Subramanyam and Head of department Dr. Y. Mallikarjuna Rao were also present in the Inaugural function.

Dr. Y. Mallikarjuna Rao has introduced the resource person to the gathering and delivered the importance and essence of this program. Dr.M.V. Subramanyam has addressed the gathering with his speech on how IOT plays vital role in the Industry and essence of developing the new applications with advanced



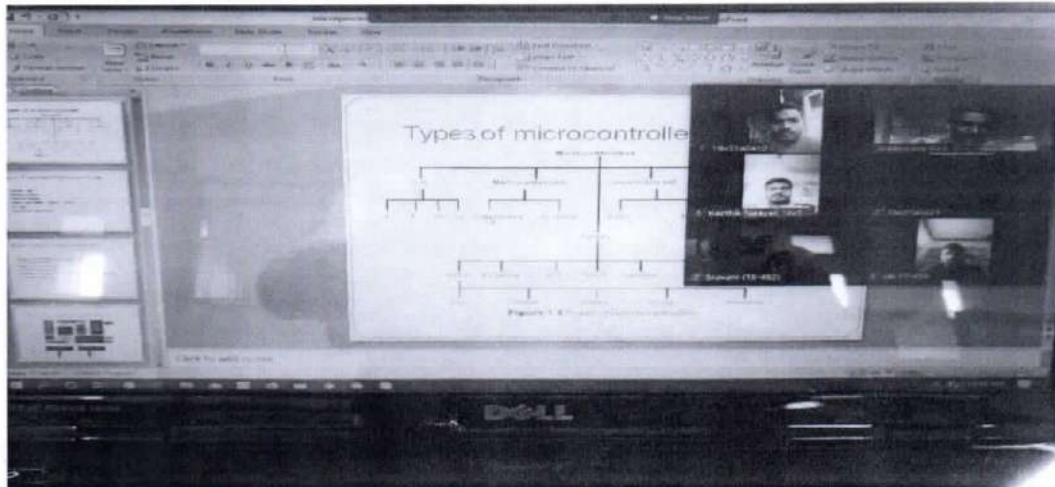
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### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Processors/ Controllers. After a small tea break, the session was handed over to the resource person of the day.



**Mr. N. Sreenivasa Rao**, Resource person of this program has been explaining about the Importance of real-time applications in one-week Addon program on IOT and Its Applications in real times.



**Ms. G. Sowmya**, Resource person of this program has been explaining about the Simulation tool in one-week Addon program on IOT and Its Applications in real times.

**Ms.P.Bindu**, Resource person explains how the sensors are interconnected with robotic applications.

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## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

- **Day-1(01.06.2020):** The first session was started at 10.00 AM after inaugural function and The Resource person was explained about the IoT Brief outline. Raspberry-pi & Python programming Introduction Modules.
- **Day-2 (02.06.2020):** Disused the topics about Sensors used in different applications. Python tool introduction, Interfacing IR Sensor using Raspberry pi.
- **Day-3(03.06.2020):** Disused the topics about Connecting cloud to transfer data Sending sms using Raspberry and Update Python Package Sending Sensor Data through cloud using thingspeak.com .
- **Day-4(04.06.2020):** Disused the topics about Difference between microprocessors & microcontrollers, Different applications in microcontrollers.
- **Day-5(05.06.2020):** Disused the topics about Hardware components like buzzer, ADC & switching devices.
- **Day-6(06.06.2020):** Disused the topics about Programming of speed control & white follows program.

The session came to an end after long interactions from the students. After the felicitation ceremony the program ended with National Anthem in the evening. In this program total 95 students were actively participated from host institution and completed the course successfully and also they received Participation certificates.

### Program Outcomes:

- The Students are able to develop programs using Python programming tool for various real time applications
- The students are gain the knowledge about the IOT platform
- The students are able to assemble the different devices and control the process with various microprocessors and microcontrollers.

  
Program Coordinator

  
HOD

  
PRINCIPAL  
Santhiram Engineering College  
Nandyal, Kurnool(DL), A.P.