

### ABOUT INSTITUTION:

Global Institute of Engineering and Technology, Hyderabad, Telangana is affiliated to JNTUH & approved by AICTE. GIET was established in the year 2006 with a vision. To produce technologically skilled Engineers of world class competency to address global challenges. GIET nurtures and supports a unique system of education structure on values and combines the tenets of the academic excellence with corporate professionalism. The primary objective at Global Institute of Engineering and Technology is to impart quality education which leads to quality living. Located at Moinabad, the sprawling campus spread over 28 acres of lush greenery creates the most conducive environment for education. GIET offers under graduate programmes in ECE, EEE, CSE, CE, ME, CSE(AIML), CSE(DS)\* and post graduate programmes Embedded Systems & Structural Engineering.

The system Of educational Global Institute of Engineering & Technology grooms the students to rise into professionals and leaders of high academic caliber with unblemished character. Dedicated, experienced and qualified faculty help in honing the skills of students at early level of their learning.

### ABOUT THE EEE DEPARTMENT:

The Department has good infrastructural facilities and is equipped with full-fledged laboratories. The Department also has audio-visual teaching aids with LCD for effective teaching. Keeping pace with the Global Trends GIET has established advanced labs in Digital Electronics, Power Systems, Electrical Design etc. Main thrust of EEE Department is to provide better quality education required by the present industry and train the students in new technologies to equip them to cater to the present global requirements.

\*Waiting for approval from JNTU

### ABOUT THE SHORT TERM COURSE:

This course elucidates concepts related **SCADA**. SCADA systems are crucial for industrial organizations since they help to maintain efficiency, process data for smarter decisions, and communicate system issues to help mitigate downtime.

The basic SCADA architecture begins with programmable logic controllers (PLCs) or remote terminal units (RTUs). PLCs and RTUs are microcomputers that communicate with an array of objects such as factory machines, HMIs, sensors, and end devices, and then route the information from those objects to computers with SCADA software. The SCADA software processes, distributes, and displays the data, helping operators and other employees analyze the data and make important decisions.

For example, the SCADA system quickly notifies an operator that a batch of product is showing a high incidence of errors. The operator pauses the operation and views the SCADA system data via an HMI to determine the cause of the issue. The operator reviews the data and discovers that Machine 4 was malfunctioning. The SCADA system's ability to notify the operator of an issue helps him to resolve it and prevent further loss of product.

### TOPICS TO BE COVERED:

- Introduction to SCADA
- Industrial Uses of SCADA
- Design and Planning
- Planning and Control
- Economical and Financial

**Below are the means to help you with your self-reflection, self-verification:**

1. **Attendance:** This Certificate Course is like a sentence spoken over 6 days. With Hands on. Participation in all sessions is desirable to get all the proposals being put forth.
2. **Assignments:** There will be session wise assignment which need to be submitted.
3. **Course Outcome Evaluation:** Exam will be Conducted on last of Course for which you need to get 80% in order to receive Certificate.
4. **Feedback**

## ORGANIZING COMMITTEE:

### Chief Patron:

Mrs. Sabiha Arifuddin

Secretary MEWS

### Patron:

1. Mr. K M Fasih uddin,  
Director GPC

### Co-Patrons:

1. Prof. Ravindra Tiwari,  
Dean GPC
2. Prof. K Sivalingam,  
Principal GIET

### Organizing Secretary:

Mr. G. Ahmed Zeeshan  
BE., M.Tech. (Ph.D.), LMISTE  
Head ECE & Vice Principal

1. Asst. Prof. Dept of ECE

### Committee Members:

1. Mr. Khaja Khader Mohiuddin Asst. Prof &  
Head, Dept of EEE
2. Mr. MD Zaheeruddin Asst. Prof, Dept of EEE
3. Mr. T Gowtham Asst. Prof, Dept of EEE

## How to Apply:

Interested students are required to fill Registration Form available with the coordinator

2022

Limited Registrations. First Come First Serve

## WHO SHOULD ATTEND?

The Course is designed for Students of EEE

For any query regarding this programme, please contact

Mr. T Gowtham

Coordinator

Asst Prof., Dept of EEE, GIET,  
Hyderabad.

Mobile: +91 9884467508

Email: [siddiqui.196@gmail.com](mailto:siddiqui.196@gmail.com)

## GLOBAL INSTITUTE OF ENGINEERING & TECHNOLOGY



A Certificate Course  
On  
"SCADA"  
(02<sup>nd</sup>-07<sup>th</sup> May, 2022)



Organized by  
DEPARTMENT OF ELECTRICAL &  
ELECTRONICS ENGINEERING  
GLOBAL INSTITUTE OF ENGINEERING  
& TECHNOLOGY

(A NAAC Accredited Institution, Approved by  
AICTE & Affiliated to JNTUH)

Recognized under section 2(f) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Chilkur (V), Moinabad (M), RR Dist - TS

Phone No: +91-9985-359-601

+91-879-010-1015 +91-919959250205

E-mail:

[principal.giet.u6@gmail.com](mailto:principal.giet.u6@gmail.com) [gieteng@gmail.com](mailto:gieteng@gmail.com)

Website: [www.globalhyd.edu.in](http://www.globalhyd.edu.in)

Registration should be done before 1<sup>st</sup> May



# GLOBAL Institute Of Engineering & Technology

(Approved by AICTE & Affiliated to JNTUH)

Estd -2006

Recognized, Sec 2(f), UGC Act 1956; ISO 9001 : 2015 Certified

Beside Moinabad Police Station, Chilkur (V), Moniabad (M), R.R. Dist., T.S - 501 504.

Phone : 040-66612734, 9951182039.

email:gieteng@gmail.com

website:www.globalhyd.edu.in

JNTUH (U6)

EAMCET CODE : GLOB

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**Khaja Khader Mohiuddin**

B.Tech.,M.Tech.,MBA.,(Ph.D)

**Head**

Lr.No: ECE/B.Tech/SA/CC/2022/03

Date 3/24/2022

To

The Principal  
GIET

Sir,

Sub: Hosting a One week Certificate Course on SCADA – Reg.

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The Department of Electrical & Electronics Engineering is planning to host a **One Week Certificate Course on SCADA** from 2-7 MAY 2022 in Semina hall for B.Tech.

The objectives of the course are to enable the participating students to understand the concept of Electrical & Electronics which leads to new and creative ideas. It is therefore important for students to have a deep understanding of concept, to determine the objective, to decide on a key project and to enhance knowledge. This certificate Course will be very key as it will bring new ideas for the projects of students of the Department.

Kindly accord approval so as to make necessary arrangements for hosting a One Week certificate Course on SCADA.

Thanking you.

K.S.

  
HEAD



# GLOBAL Institute of Engineering & Technology

(Approved by AICTE & Affiliated to JNTUH)  
Survey No. 179, Chilkur (V), Moinabad (M), Ranga Reddy Dist. TS.  
Phone: 08417-252233 / 253021

e-mail: [principal.giet.u6@gmail.com](mailto:principal.giet.u6@gmail.com)

JNTUH Code (U6)

CIVIL - CSE - MECH - ECE - EEE - MBA - M.Tech.

EAMCET Code- GLOB

**Department of Electrical and Electronics Engineering**

Date: 10/04/2022

## CIRCULAR

All the students of the EEE department are informed to express their interest by enrolling their name for the One Week Certificate Course on "SCADA" starting from 02/05/2022 to 07/05/2022

The detailed syllabus for the course is attached for your information and the enrolled students will be certified accordingly based on the test conducted at the end of the course.

Concerned mentors are instructed to submit the list of students enrolled within two days to the undersigned. For further information, you can contact the Course Coordinator or Head of the Department.

  
HEAD



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Survey No. 179, Chilkur (V), Moinabad (M), Ranga Reddy Dist. T.S.

Phone: 08417-252233/253021/252235, 8790101015

E-Mail: [giet.eee.hod@gmail.com](mailto:giet.eee.hod@gmail.com), [principal.giet.u6@gmail.com](mailto:principal.giet.u6@gmail.com)

JNTUH Code (U6)

ECE – EEE – CSE - CIVIL – ME – MBA - M.Tech

EAMCET code (GLOB)

## ELECTRICAL AND ELECTRONICS ENGINEERING

### One Week Certificate Course

On

SCADA

(02<sup>nd</sup> –07<sup>th</sup> May, 2022)

### PROGRAMME SCHEDULE

	<b>Forenoon</b>		<b>Afternoon</b>	
<b>Day1</b>	<b>Inauguration</b>	<b>Introduction to Scada</b> <i>Ms Neela Srevidya</i> <i>Assistant Professor,</i> <i>Dept of EEE ,GIET</i>	<b>Industrial Uses of SCADA</b> <i>Ms Neela Srevidya</i> <i>Assistant Professor,</i> <i>Dept of EEE,</i> <i>GIET</i>	
<b>Day2</b>	<b>Design and Planning</b> <i>Ms Neela Srevidya</i> <i>Assistant Professor,</i> <i>Dept of EEE ,GIET</i>		<b>Protection &amp; Control</b> <i>Ms Neela Srevidya</i> <i>Assistant Professor,</i> <i>Dept of EEE ,GIET</i>	
<b>Day3</b>	<b>How to control the Machines by using SCADA</b> <i>Mr M Nagaraju</i> <i>Assosiate Professor,</i> <i>Dept of EEE,</i> <i>SVEC,Suryapet</i>		<b>Application of SCADA</b> <i>Mr M Nagaraju</i> <i>Assosiate Professor,</i> <i>Dept of EEE,</i> <i>SVEC,Suryapet</i>	
<b>Day4</b>	<b>Estimation and Design</b> <i>Mr M Nagaraju</i> <i>Assosiate Professor,</i> <i>Dept of EEE,</i> <i>SVEC,Suryapet</i>		<b>Planning and Control</b> <i>Mr M Nagaraju</i> <i>Assosiate Professor,</i> <i>Dept of EEE,</i> <i>SVEC,Suryapet</i>	
<b>Day5</b>	<b>Installation and commissioning for industrial</b> <i>Mr Udaykiran, Assistant Manager</i> <i>Tecumseh Products India Pvt Ltd,</i> <i>Dept of FCD, Hyderabad</i>		<b>Industrial application of SCADA</b> <i>Mr Udaykiran, Assistant Manager</i> <i>Tecumseh Products India Pvt Ltd,</i> <i>Dept of FCD, Hyderabad</i>	
<b>Day6</b>	<b>Economical and financial</b> <i>Mr Udaykiran, Assistant Manager</i> <i>Tecumseh Products India Pvt Ltd,</i> <i>Dept of FCD, Hyderabad</i>		<b>Exam on SCADA</b>	<b>Feedback and Certificate Distribution</b>

Co-Ordinator



# GLOBAL Institute of Engineering & Technology

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e-mail: principal.giet.u6@gmail.com

JNTUJ Code(U6)

CIVIL - CSE - MECH - ECE - EEE - MBA - M.Tech.

EAMCET Code- GLOB

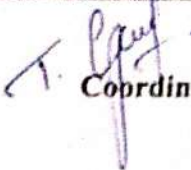
## Department of Electrical and Electronics Engineering


### LIST OF STUDENTS ENROLLED FOR SCADA

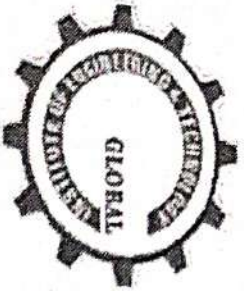
#### LIST OF PARTICIPANTS

S. NO	NAME OF THE PARTICIPANT
1	KAFAYATULLA ANSARI
2	VARIKUTI HARIKA LAKSHMI
3	AMBURE SAI KIRAN
4	BANDARI HARISH
5	BANDARI NAVEEN
6	C SHIVA KUMAR
7	CHAKALI VENKATESH
8	DASARI LIKITHA
9	GODEPALLY MADHUSUDAN REDDY
10	GUNDU SAI PRASAD
11	K GANESH
12	KODAM SAGAR
13	KONDAPARTHI RAJESH
14	MEGAVATH SRIKANTH
15	MOHAMMED MOIZ AHMED
16	MOHAMMED NOUMAN
17	MOHAMMED SHOYAB AQTHAR
18	MOHD SIDDIQUE PASHA
19	MUNAVATH GANESH
20	MUPPIDI DINESH
21	N BALAKRISHNA
22	P BHASKAR
23	PENUMALA DURGA BABU
24	PITLA SANGEETHA
25	POLIMERA YOGESH
26	POTTI PAVAN KUMAR

S. NO	NAME OF THE PARTICIPANT
27	RETICAL RAMYAKRISHNA
28	S NAGABRUNDHA
29	SHAIK FARZANA
30	SHAIK ZAID
31	SHYAMAKURI VINEELA
32	THAMMALI RAVI
33	YATHIRAJULA RANJITH
34	YERRAM ABHILASH REDDY
35	MUNJAM GEORGE JOSEPH PAUL

  
Coordinator

  
HEAD-EEE



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SURVEY NO 179, CHILKURU(V), MOINABAD(M), RANGAREDDY DIST., T.S

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

One Week Certificate Course

On

SCADA

02/05/2022 to 07/05/2022

REGISTRATION FORM

(Please Fill in CAPITAL LETTERS)

Name

: Hakile Arthi

Roll No

: 16U6SA0203

Course/Year

: BTECH/IV

Department

: EEE

E-mail

: arthi2@gmail.com

Phone No

: 9915021671

Signature of Participant

For Office use only

Approved/ Not Approved

Signature of Coordinator



# GLOBAL

## Institute of Engineering & Technology

(Approved by AICTE & Affiliated to JNTU(H))  
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

One Week Certificate Course

On

SCADA

02/05/2022 to 07/05/2022

### ATTENDANCE SHEET

S.No	Name of the Participant	ATTENDANCE					
		Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
1	KAFAVATULLA ANSARI	02/05/2022 P	03/05/2022 P	04/05/2022 P	05/05/2022 P	06/05/2022 P	07/05/2022 P
2	MARIPATI HARIKA LAKSHMI	P	P	P	P	P	P
3	AMBURE SAI KIRAN	P	P	P	P	P	P
4	BANDARI HARISH	P	P	P	P	P	P
5	BANDARI NAVEEN	P	P	P	P	P	P
6	C SHIVA KUMAR	P	P	P	P	P	P
7	CHAKALI VENKATESH	P	P	P	P	P	P

*T. Yusuf*  
Coordinator

*T. Yusuf*  
Head of the Department

8	DASARI LIKITHA	P	P	P	P	P	P	P
9	GODEPALLY MADHUSUDAN REDDY	P	P	P	P	P	P	P
10	GUNDU SAI PRASAD	P	P	P	P	P	P	P
11	K GANESH	P	P	P	P	P	P	P
12	KODAM SAGAR	P	P	P	P	P	P	P
13	KONDAPARTHI RAJESH	P	P	P	P	P	P	P
14	MEGAVATH SRIKANTH	P	P	P	P	P	P	P
15	MOHAMMED MOIZ AHMED	P	P	P	P	P	P	P
16	MOHAMMED NOUMAN	P	P	P	P	P	P	P
17	MOHAMMED SHOYAB AQTHAR	P	P	P	P	P	P	P
18	MOHD SIDDIQUE PASHA	P	P	P	P	P	P	P
19	MUNAVATH GANESH	P	P	P	P	P	P	P
20	MUPPIDI DINESH	P	P	P	P	P	P	P
21	N BALAKRISHNA	P	P	P	P	P	P	P
22	P P HASKAR	P	P	P	P	P	P	P
23	PENUMALA DURGA BABU	P	P	P	P	P	P	P
24	PITLA SANGEETHA	P	P	P	P	P	P	P
25	POLIMERA YOGESH	P	P	P	P	P	P	P
26	POTTI PAVAN KUMAR	P	P	P	P	P	P	P
27	RETICAL RAMYAKRISHNA	P	P	P	P	P	P	P

Coordinator

Head of the Department

28	S NAGABRUNDHA	P	P	P	P	P	P	P
29	SHAIK FARZANA	P	P	P	P	P	P	P
30	SHAIK ZAID	P	P	P	P	P	P	P
31	SHYAMAKURI VINEELA	P	P	P	P	P	P	P
32	THAMMAL RAVI	P	P	P	P	P	P	P
33	YATHIRAJULA RANJITH	P	P	P	P	P	P	P
34	YERRAM ABHILASH REDDY	P	P	P	P	P	P	P
35	MUNJAM GEORGE JOSEPH PAUL	P	P	P	P	P	P	P

  
Coordinator

  
Head of the Department



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
One Week Certificate Course

On  
SCADA  
02/05/2022 to 07/05/2022

## FEEDBACK FORM

Please evaluate your rating of the course by placing a tick in the appropriate box.  
1. Poor 2. Satisfactory 3. Good 4. Very good 5. Excellent

Branch and Year:

Date:

ASPECTS	RATING				
	Excellent 5	Very good 4	Good 3	Satisfactory 2	Poor 1
Relevance of contents	✓				
Trainer was knowledgeable and skillful	✓				
Quality of input provided	✓				
Quality of presentations		✓			
Adherence to the time schedule	✓				
Opportunity given to participant to clear doubts	✓				
Identify ways to build on current skills and knowledge	✓				
Overall learning experience		✓			

How has the course enhanced your skills or understanding of this topic?

*Enhanced skills*

Specify problems faced by you during the course?

*Problems are not faced*

## **REPORT ON**

### **SCADA**

A One Week Certificate Course is organized by Department of Electronics and Communication Engineering on “**CERTIFICATE COURSE ON SCADA**” from 02<sup>nd</sup> May to 07<sup>th</sup> May 2022, Moinabad, Hyderabad from 09.30 AM to 4.30 PM.

The first day of the Certification Course initiated with the

- Mr. Khaja Khader Mohiuddin, Head EEE, Global Institute of Engineering and Technology addressed the gathering about the certificate course.
- Speech by Mr. G Ahmed Zeeshan, Coordinator IQAC.

#### **Day 1:**

The Speaker on first day Introduction to Scada Ms Neela Srevidya Assistant Professor, Dept of EEE, SCET

Industrial Uses of SCADA Ms Neela Srevidya Assistant Professor, Dept of EEE, SCET

#### **Day 2**

Sessions on Second day was also delivered by our resource person

Design and Planning Ms Neela Srevidya Assistant Professor, Dept of EEE, SCET

Protection & Control Ms Neela Srevidya Assistant Professor, Dept of EEE,

SCET

#### **Day 3:**

Third Day Sessions was also chaired by How to control the Machines by using SCADA

Mr M Nagaraju Associate Professor, Dept of EEE, SVEC, Suryapet

Application of SCADA Mr M Nagaraju Associate Professor, Dept of EEE, SVEC, Suryapet

#### **Day 4:**

Fourth Day of the course, sessions were taken by Estimation and Design Mr M Nagaraju Associate Professor, Dept of EEE, SVEC, Suryapet

Planning and Control Mr M Nagaraju Associate Professor, Dept of EEE, SVEC, Suryapet

### **Day 5:**

On fifth day of the course sessions were taken by Installation and commissioning for industrial Mr Udaykiran, Assistant Manager Tecumseh Products India Pvt Ltd, Dept of FCD, Hyderabad

Industrial application of SCADA Mr Udaykiran, Assistant Manager Tecumseh Products India Pvt Ltd, Dept of FCD, Hyderabad

### **Day 6:**

Economical and financial Mr Udaykiran, Assistant Manager Tecumseh Products India Pvt Ltd, Dept of FCD, Hyderabad

All the students participated in the session actively and showed enthusiasm. In the afternoon session Exam was conducted for students, and all the questions were given in multiple choice basis.

The valedictory session concluded with the recital of the National Anthem.