

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
An ISO 9000 : 2001 Certified Institution



Phone : +918596-200064 (Off)
Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

List of Certificate / Add-on Programs

Academic Year: 2022-2023

S. No	Name of the Program	Duration of course	No. of Participants
1	A Two Week certificate Programme on Concrete Technology	22.09.2022 to 06.10.2022	50
2	A Two Week Certificate Programme on Auto CAD	16.08.2022 to 29.08.2022	30
3	A Two Week Certificate Programme on Total Station Practical	14.09.2022 to 27.09.2022	41
4	A two week Certificate Programme on Breaking of Electrical Motors	16-08-2022 to 29-08-2022	18
5	A two week Certificate Programme on Electrical Drives	16-08-2022 to 29-08-2022	14
6	A two week Certificate Programme on Fractional H.P motors	16-08-2022 to 29-08-2022	37
7	A two week certificate program on Alternative Fuels	07-11-2022 to 19-11-2022	45
8	A two week certificate program on Automation in Manufacturing	13-02-2023 to 25-02-2023	35
9	A two week certificate program on ANSYS	18-07-2022 to 30-07-2022	43
10	A Two Week certificate Programme on PCB DESIGN AND ITS APPLICATIONS	16-04-2023 TO 28-04-2023	93
11	A Two Week certificate Programme on CHIP DESIGN AND ITS USESES	15-03-2023 TO 27-03-2023	34
12	A Two Week certificate Programme on DIGITAL IMAGE PROCESSING	22-02-2023 TO 04-03-2023	84
13	A Two Week certificate Programme on PYTHON PROGRAMMING	22-08-2022 to 03-09-2022	104
14	A Two Week certificate Programme on Big Data With HADOOP Technology	27-03-2023 to 07-04-2023	77
15	A Two Week certificate Programme on PRINCIPLES OF CYBER SECURITY	12-09-2022 to 24-09-2022	81


PRINCIPAL

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Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316 Prakasam Dist.

Dr. Samuel George Institute of Engineering & Technology



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College Code : 35

DATE : 15-09-2022

CIRCULAR

All the students of II B.Tech I-Sem Civil are hereby informed to attend a Two week Certificate Programme on **Concrete Technology**. The Programme is scheduled from **22-09-2022 to 06-10-2022** and is rolled by **Mr. K.SRIRSMULU**. He will deliver the valuable information on Respective program. All the Students must participate and make your career enlighten.


Program Coordinator


HOD OF CIVIL

Head of the Department
Dept. of CIVIL ENGINEERING
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523320, Prakasam(Dist)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meets the global trends by imparting the values, ethics and true culture in technical education . It is the first Engineering College in Prakasam District Under the aegis of NCCSAI. The college is approved by AICTE. Now Delhi and College is approved by AICTE. New Delhi and affiliated to "JNTUK, Kakinada. the college was started with a Vision & Motto of " Discipline. Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills. The College campus is sprawling in 54Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 100 Mbps Internet (Airtel) leased line. The institute has well ratified and dedicated faculty to give quality education The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks. Dr. B.R. Ambedkar, Sir.C.V.Raman, Sir. Visveswaraiah, Dr.APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG Programs in Civil Engineering. The Civil Engineering Department having quality equipments, Tools and machinery as per given standards.

Department deals with Workshop, English Lab, Physics Lab, Chemistry Lab, Humanities, Survey Lab, Highway Lab, Geo Technical Lab, CAD

Lab, Seminar hall with projector and also maintaining computer systems.

All labs are attached with CCTV and wi-fi connectivity and safety precautions, alarm systems and also maintaining FRS (Facial Reorganization System) and also 24 hours Power supply by using generator, mineral water plant and continuous supply of water supply to the all labs and well trained technicians and also maintaining stock registers in all labs and also having full equipped library with capacity of more than 45000 books in various subjects.

ORGANIZING COMMITTEE

CHIEF PATRON

DR. Y. ESWARA RAO

Principal

PATRON

PROF. CH. RAJABABU

Vice Principal

CONVENOR

DR. CH. RAJABABU

Head of the Department

CIVIL ENGINEERING

VENUE

Offline Platform, seminar hall

Handwritten signature
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MARKAPUR-523 316, Prakasam Dist.



DR. SGIT

A TWO WEEK CERTIFICATE PROGRAMME ON

CONCRETE TECHNOLOGY

22-09-2022 to 06-10-2022

CO-ORDINATOR

K.SRI RAMULU

Department of
CIVIL ENGINEERING

ORGANIZED BY

Department of
CIVIL ENGINEERING

Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK,

Markapur-523316.

TARGET AREAS

- ◆ Available Natural Materials
- ◆ Mixing As per Design
- ◆ Strength Parameters
- ◆ Technology Applicable
- ◆ Wastages Mixing in Percentages
- ◆ As per purpose Concrete Mixing Procedures
- ◆ Development of infrastructure

REGISTRATION DETAILS

- ◆ There is no **Registration Fee** for the Program.
- ◆ Registration for the Program can be done using the **Registration Form**.
- ◆ All the II B.Tech I-Sem Civil Students are requested to register the Certificate Program before two days by using Registration form.
- ◆ Particulars will get the Participation Certificate after completion of program.

REGISTRATION FORM A TWO WEEK CERTIFICATE PROGRAMME ON “**CONCRETE TECHNOLOGY**”

22-09-2022 TO 06-10-2022

Student Name:

Father Name:

Roll No:

Mobile No:

Course:

Department:

Organization:

Address for Communication:

Email ID:
(G-Mail Preferably)

AUTHORIZATION CERTIFICATE

Ms/Mr/Dr.....
is an student of our college/institution and is hereby permitted to attend A Two Week Certificate Program on **CONCRETE TECHNOLOGY** Dept of Civil Engineering , Dr. Samuel George Institute of Engineering and Technology.

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program. I shall attend the program for the entire duration .I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

“A Two Week Certificate Program on “**CONCRETE TECHNOLOGY**” Department of Civil Engineering.
Dr. Samuel George Institute of Engineering and Technology
Mail ID: sgitcivil@gmail.com
Phone. No: 8125617265


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College Code : 35

SCHEDULE

Title of the Programme : A Two Week Certificate Programme on Concrete Technology
Faculty Name: Mr. K.SRIRSMULU
Academic Year : 2022-23

22-09-2022	Introduction, Objectives
23-09-2022	Materials ,Properties-Physical and Chemical, Mixing Proportions
26-09-2022	Grades Design Mix
27-09-2022	Tools and Equipments Test Procedure
28-09-2022	Water/Cement Ratio Strength-Characteristics
29-09-2022	X-axis vs Y-axis, age vs compression strength N/mm ² OULDS Shapes
30-09-2022	Test ProcedurePhotos Cube, beam-load application
01-10-2022	Flexural Strength Compressive Strength
03-10-2022	Test ProcedurePhotos Cylinder application
04-10-2022	Test ProcedurePhotos beam-load application
05-10-2022	3,7,14,21,28-days compressive Strength
06-10-2022	As per design mix method Photos


Program Coordinator


HOD OF CIVIL

Hear of the Department
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College Code : 35

Department: CIVIL ENGINEERING

Academic Year: 2022-2023

Course Name: A Two Weeks Programme on Concrete Technology

Schedule: 22.09.2022 to 06.10.2022

Year: II B.Tech

List of students Enrolled/Completed: 50/42

S.No.	ROLL No.	NAME OF THE STUDENT	SIGNATURES
1	21351A0101	M. ADILAKSHMI	M. Adilakshmi
2	21351A0102	B. AKHILA	B. Akhila
3	21351A0103	A. AMAR	A. Amar
4	21351A0104	A. CHANDRAKALA	A. Chandrakala
5	21351A0105	N. CHINNA SIVA REDDY	N. Chinna Siva Reddy
6	21351A0106	P. CHIRANJEEVI	P. Chiranjeevi
7	21351A0107	K. DEBORA RANI	K. Debora Rani
8	21351A0108	M. DEENAVATHI	M. Deenavathi
9	21351A0109	K. DHARMADEVAN	K. Dharmadevan
10	21351A0110	P. DIVYA SREE	P. Divya Sree
11	21351A0111	P. EBINEZER	P. Ebinezer
12	21351A0112	A. FAROOK	A. Farook
13	21351A0113	Y. GEETANJALI	Y. Geethanjali
14	21351A0114	D. GOVINDU	D. Govindu
15	21351A0115	SK. IRFAN	Sk. Irfan
16	21351A0116	S. ISSAC	S. Issac
17	21351A0117	G. KALYAN	G. Kalyan
18	21351A0118	M. KOTESWARA RAO	M. Koteswara Rao
19	21351A0119	G. KUMAR	G. Kumar
20	21351A0120	K. MADHU SUDHAN	K. Madhu Sudhan
21	21351A0121	Kanukuntla. MAHENDRA	K. Mahendra
22	21351A0122	Kotakindi. MAHENDRA	K. Mahendra
23	21351A0123	V. MARUTHI	V. Maruthi
24	21351A0125	P. NITHIN KUMAR	P. Nithin Kumar
25	21351A0126	M. PARVATHI BAI	M. Parvathi Bai
26	21351A0127	M. PAVAN KUMAR NAIK	M. Pavan Kumar Naik
27	21351A0128	K. PEDDANNA	K. Paddanna
28	21351A0129	B. KONDALU	B. Kondalu
29	21351A0130	B. PRAVEEN	B. Praveen
30	21351A0131	K. PUSHPALATHA	K. Pushpalatha
31	21351A0132	D. RAM MOHAN	D. Ram Mohan
32	21351A0133	P. SAMELU BABU	P. Samelu Babu
33	21351A0134	B. SARASWATHI	B. Saraswathi
34	21351A0135	G. SHESHU	G. Sheshu
35	21351A0136	M. SHOBHA	M. Shobha
36	21351A0137	K. SIVA	K. Siva
37	21351A0139	K. SUDHEER	K. Sudheer
38	21351A0140	Y. VAMSI	Y. Vamsi
39	21351A0141	D. VEERANJANEYULU	D. Veeranjaneyulu
40	21351A0142	K. VENKATA NAGENDRA BABU	K. Venkata Nagendra Babu
41	21351A0143	V. VIJAY KUMAR	V. Vijay Kumar

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42	21351A0144	G. VINEETHA	G. Vineetha
43	21351A0145	P. VINEETH KUMAR	P. Vineetha Kumar
44	21351A0146	D. YASWANTH NAIK	D. Yaswanth Naik
45	22355A0101	K. BUJJIAIAH	K. Bujjiah
46	22355A0102	D. DEVADAS	D. Devadas
47	22355A0103	C. SAGAR	C. Sagar
48	22355A0104	Y. SAI LATHA	Y. Sai Latha
49	22355A0105	C. SARASWATHI	C. Saraswathi
50	22355A0106	B. THIRUPATHI RAO	B. Thirupathi Rao


Programme Coordinator


HOD OF CIVIL
Head of the Department
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Dr. Samuel George Institute of
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MARKAPUR-523320 Prakasam(Dr.)


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College Code : 35

PROGRAMME REPORT

Name of the Program : A Two week Certificate
Programme on **Concrete Technology**
Schedule of Program : 22-09-2022 to 06-10-2022.
Venue : Seminar Hall
Organized by : Dept. of Civil
Faculty : K. Sriramulu
Designation : Asst. Professor
Number of Participants : 50

Objectives of the Course are:

Material Available.
Concrete Preparation.
Design Mix, Grades, Mixing Proportions.
Strength Requirements N/mm²
Purpose, Climate Conditions, Seasonal Conditions.
Pollution Level of Controlling by Development of Technology.
Reduce the Wastages-Test Procedures.
Economical.

Topic Covered:

Introduction - Objectives-Materials-Proportions, mixing methods, Grades, Mix Proportions, Tools and equipments, Lab and field Tests, Strength Parameters, Tensile, Compressive Strength N/mm², Purpose Concrete Preparation.

Out Comes of the Course:

Available Natural Materials. Mixing as per Design. Strength Parameters. Technology Applicable.
Wastages mixing (% ages)
As per purpose, Concrete mixing procedures, Development of Infrastructure.


Programme Coordinator


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College Code : 35

CIRCULAR

DATE :09-08-2022

All the students of III B.Tech I-Sem Civil are hereby informed to attend the A two week Certificate programme on **AUTO CAD**. The Programme is scheduled from 16.08.2022 to 29.08.2022 and delivered by **Mr.K.VENKATESWARA RAO**, Associate Professor of Civil Engineering Department. He will deliver the valuable information on Respective program. All the Students must participate and make your career enlighten.


Program Coordinator


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Head of the Department
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ABOUT THE COLLEGE

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The College campus is sprawling in 54Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 100 Mbps Internet (Airtel) leased line. The institute has well ratified and dedicated faculty to give quality education The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks.

Dr. B.R. Ambedkar, Sir.C.V.Raman, Sir. Visveswaraiyah, Dr.APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG Programs in Civil Engineering. The Civil Engineering Department having quality equipments, Tools and machinery as per given standards.

Department deals with Workshop, English Lab, Physics Lab, Chemistry Lab, Humanities, Survey Lab, Highway Lab, Geo Technical Lab, CAD

Lab, Seminar hall with projector and also maintaining computer systems.

All labs are attached with CCTV and wi-fi connectivity and safety precautions, alarm systems and also maintaining FRS (Facial Reorganization System) and also 24 hours Power supply by using generator, mineral water plant and continuous supply of water supply to the all labs and well trained technicians and also maintaining stock registers in all labs and also having full equipped library with capacity of more than 45000 books in various subjects.

ORGANIZING COMMITTEE

CHIEF PATRON

DR. Y. ESWARA RAO

Principal

PATRON

PROF. CH. RAJABABU

Vice Principal

CONVENOR

DR. CH. RAJABABU

Head of the Department

CIVIL ENGINEERING

VENUE

Offline Platform, seminar hall

PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.



DR. SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

AUTO CAD

16-08-2022 to 29-08-2022

CO-ORDINATOR

K.VENKATESWARLU

Department of
CIVIL ENGINEERING

ORGANIZED BY

Department of
CIVIL ENGINEERING

**Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK,**

Markapur-523316.

TARGET AREAS

- ◆ Introduction, Version
- ◆ Uploading Software
- ◆ WCS in X and Y Directions
- ◆ Commands Details
- ◆ As per Scale Top Plan Front View Cross Section , Site Plan
- ◆ As Per Economic Status Building Classification
- ◆ Drawing Preparation and Plotting as per Building Planning (NHC)

REGISTRATION DETAILS

- ◆ There is no **Registration Fee** for the Program.
- ◆ Registration for the Program can be done using the **Registration Form**.
- ◆ All the III B.Tech I-Sem Civil Students are requested to register the Certificate Program before two days by using Registration form.
- ◆ Particulars will get the Participation Certificate after completion of program.

REGISTRATION FORM A TWO WEEK CERTIFICATE PROGRAMME ON "AUTO CAD" 16-08-2022 to 29-08-2022

Student Name:

Father Name:

Roll No:

Mobile No:

Course:

Department:

Organization:

Address for Communication:

Email ID:
(G-Mail Preferably)

AUTHORIZATION CERTIFICATE

Ms/Mr/Dr.....
is an student of our college/institution and is hereby permitted to attend A Two Week Certificate Program on **AUTO CAD** Dept of Civil Engineering , Dr. Samuel George Institute of Engineering and Technology.

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program. I shall attend the program for the entire duration .I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A Two Week Certificate Program on **AUTO CAD**" Department of Civil Engineering.

Dr. Samuel George Institute of Engineering and Technology

Mail ID: sgitcivil@gmail.com

Phone No: 8125617265

Sam
PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Name of the Programme: A Two Week Certificate Programme on AUTO CAD

Faculty Name: Mr.K. Venkateswara Rao

Academic Year: 2022-2023

SCHEDULE

DAY 1	16-08-2022	Introduction
DAY 2	17-08-2022	Creating First Drawing
DAY 3	18-08-2022	Tools of the Trade
DAY 4	19-08-2022	Organizing your Work
DAY 5	20-08-2022	Editing for Productivity
DAY 6	22-08-2022	Enhancing your Drawing Skills
DAY 7	23-08-2022	Printing and Plotting
DAY 8	24-08-2022	Adding Text to Drawing
DAY 9	25-08-2022	Using Dimensions
DAY 10	26-08-2022	Introducing 3D
DAY 11	27-08-2022	Residential Buildings
DAY 12	29-08-2022	Commercial Buildings, Hospital, Community Center etc..


Program Coordinator


HOD OF CIVIL

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College Code : 35

Department: CIVIL ENGINEERING

Academic Year: 2022-2023

Course Name: A Two Week Certificate Programme on Auto CAD

Schedule: 16.08.2022 to 29.08.2022

Year: III B.Tech

List of students Enrolled/Completed: 30/24

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	20351A0101	M. AKHILA	M. Akhila
2	20351A0102	B. AKSHARA	B. Akshara
3	20351A0103	Y. ANIL KUMAR	Y. Anil Kumar
4	20351A0104	Y. CHARAN KUMAR	Y. Charan Kumar
5	20351A0105	A. GANESH	A. Ganesh
6	20351A0108	T. KARTHIK	T. Karthik
7	20351A0109	D. MAMATHA	D. Mamatha
8	20351A0110	B. NAGARAJU	B. Nagaraju
9	20351A0111	M. NAVEEN KUMAR	M. Naveen Kumar
10	20351A0112	M. PALLAVI	M. Pallavi
11	20351A0113	P. RAJANIKANTH	P. Rajanikanth
12	20351A0114	B. SOWMYA	B. Sowmya
13	20351A0115	A. SRAVANI	A. Sravani
14	20351A0116	M. SRAVANTHI	M. Sravanthi
15	20351A0117	N. SREEVANI	N. Sreevani
16	20351A0118	P. SRIKANTH	P. Srikanth
17	20351A0121	S. SWAROOPA	S. Swaroopa
18	20351A0122	M. SWATHI	M. Swathi
19	20351A0123	P. VENKATA THIMMAIAH	P. Venkata Thimmaiah
20	21355A0101	B. DHARANI KANTH	B. Dharami Kanth
21	21355A0102	B. GOPI NADH	B. Gopi Nadh
22	21355A0103	K. LALU PRASAD	K. Lulu Prasad
23	21355A0104	R. NARESH	R. Nareesh
24	21355A0105	P. OMPRASAD	P. Ompasad
25	21355A0106	B. PAVAN KUMAR	B. Paven Kumar
26	21355A0107	Y. SURENDRA	Y. Surendra
27	21355A0108	K. VINAY KUMAR	K. Vinay Kumar
28	21355A0109	B. TARUN	B. Tarun
29	21355A0110	A. BALA OBULESU	A. Bala Obulesu
30	21355A0111	U. AJAY BABU	U. Ajay Babu

Programme Coordinator

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drsgit_35@yahoo.co.in

College Code : 35

PROGRAMME REPORT

Name of the Program : A two week Certificate programme on **AUTO CAD**
Schedule of Program : 09-08-2022 To 24-08-2022
Venue : CAD LAB
Organized by : Dept. of Civil
Faculty : K.Venkateswara Rao
Designation : Asst. Professor of Civil Engineering
Number of Particulars : 30

Objectives of the Course are:

- ✓ Introduction
- ✓ Version Number
- ✓ Uploading Auto CAD Software
- ✓ World Co-Ordinate System
- ✓ Standard Tool Bar, Modify, Prompt, Layer Concept, Drawing Area, Commands, X, Y- Directions
- ✓ Individual Drawings Preparation- Top Plan, Cross Section, Front elevation, Site Plan as per Scale.
- ✓ Grid Pattern, Orientation, Feedback
- ✓

Topic Covered:

- ✓ Introduction – Version Number ,Uploading Auto CAD Software, World Co-Ordinate System
- ✓ Standard Tool Bar, Modify, Prompt, Layer Concept, Drawing Area, Commands, X, Y- Directions
- ✓ Individual Drawings Preparation- Top Plan, Cross Section, Front elevation, Site Plan as per Scale, Grid Pattern, Orientation, Feedback

Out Comes of the Course:

- ✓ Introduction – Version – Uploading Software, Plans Preparation For Residential Buildings in 2D and 3D, Feedback.


Program Co-Ordinator


HOD of CIVIL

Head of the Department
Dept. of CIVIL ENGINEERING
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523320,Prakasam(Dt)

Dr. Samuel George Institute of Engineering & Technology



Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
An ISO 9000 : 2001 Certified Institution

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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

CIRCULAR

DATE : 07-09-2022

All the students of IV B.Tech I-Sem Civil are hereby informed to attend the A two week Certificate programme on **Total Station Practical**. The Programme is scheduled from 14.09.2022 to 27.09.2022 and delivered by **Mr. NAGA MALLESWARA RAO, Director** AIM Academy for Civil and Mechanical Engineers. He will deliver the valuable information on respective program. All the Students must participate and make your career enlighten.

N.M. Rao
Program Coordinator

A. R. R.
HOD OF CIVIL

Head of the Department
Dept. of CIVIL ENGINEERING
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523320 Prakasam(Dt.)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meets the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District Under the aegis of NCCSAI. The college is approved by AICTE. Now Delhi and College is approved by AICTE. New Delhi and affiliated to "JNTUK, Kakinada. the college was started with a Vision & Motto of " Discipline. Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The College campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 100 Mbps Internet (Airtel) leased line. The institute has well ratified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks.

Dr. B.R. Ambedkar, Sir.C.V.Raman, Sir. Visveswaraiah, Dr.APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG Programs in Civil Engineering. The Civil Engineering Department having quality equipments, Tools and machinery as per given standards.

Department deals with Workshop, English Lab, Physics Lab, Chemistry Lab, Humanities, Survey Lab, Highway Lab, Geo Technical Lab, CAD

Lab, Seminar hall with projector and also maintaining computer systems.

All labs are attached with CCTV and wi-fi connectivity and safety precautions, alarm systems and also maintaining FRS (Facial Reorganization System) and also 24 hours Power supply by using generator, mineral water plant and continuous supply of water supply to the all labs and well trained technicians and also maintaining stock registers in all labs and also having full equipped library with capacity of more than 45000 books in various subjects.

ORGANIZING COMMITTEE

CHIEF PATRON

DR. Y. ESWARA RAO

Principal

PATRON

PROF. CH. RAJABABU

Vice Principal

CONVENOR

DR. CH. RAJABABU

Head of the Department

CIVIL ENGINEERING

VENUE

Offline Platform, seminar hall



DR. SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

TOTAL STATION PRACTICAL

14-09-2022 TO 27-09-2022

CO-ORDINATOR

NAGA MALLESWARA RAO

Department of
CIVIL ENGINEERING

ORGANIZED BY

Department of
CIVIL ENGINEERING

**Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK,**

Markapur-523316.

PRINCIPAL

**Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.**

TARGET AREAS

- ◆ EDM Components
- ◆ Distance, Area, Co-Ordinates Marking
- ◆ Location and Position
- ◆ Plotting as per Scale
- ◆ Connecting Through Sensor to AUTO CAD
- ◆ Calculations, Formulations.

REGISTRATION DETAILS

- ◆ There is no **Registration Fee** for the Program.
- ◆ Registration for the Program can be done using the **Registration Form**.
- ◆ All the IV B.Tech I-Sem Civil Students are requested to register the Certificate Program before two days by using Registration form.
- ◆ Particulars will get the Participation Certificate after completion of program.

REGISTRATION FORM A TWO WEEK CERTIFICATE PROGRAMME ON “TOTAL STATION PRACTICAL”

14-09-2022 TO 27-09-2022

Student Name:

Father Name:

Roll No:

Mobile No:

Course:

Department:

Organization:

Address for Communication:

Email ID:
(G-Mail Preferably)

AUTHORIZATION CERTIFICATE

Ms/Mr/Dr.....
is an student of our college/institution and is hereby permitted to attend A Two Week Certificate Program on **TOTAL STATION PRACTICAL** Dept of Civil Engineering , Dr. Samuel George Institute of Engineering and Technology.

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program. I shall attend the program for the entire duration .I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

“A Two Week Certificate Program on **TOTAL STATION PRACTICAL**” Department of Civil Engineering.

Dr. Samuel George Institute of Engineering and Technology

Mail ID: sgitcivil@gmail.com

Phone. No: 8125617265

SGI
PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist

Dr. Samuel George Institute of Engineering & Technology

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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Name of the Programme: A Two Week Certificate Programme on Total Station
Practical

Faculty Name: Mr.NAGA MALLESWARA RAO

Academic Year: 2022-2023

DAY 1	14-09-2022	Introduction
DAY 2	15-09-2022	Setting Up the TOTAL STATION
DAY 3	16-09-2022	Components
DAY 4	17-09-2022	Distance Measurements
DAY 5	19-09-2022	Angle Measurements
DAY 6	20-09-2022	Co-Ordinates
DAY 7	21-09-2022	Off-Sets, Layout of Building, Center line Mixing
DAY 8	22-09-2022	Area Measurements
DAY 9	23-09-2022	Circle's, Arc, Curve Sections
DAY 10	24-09-2022	Engineering Works Alignments, Bench Marks, Co-ordinates in highways, Canals
DAY 11	26-09-2022	Total Station measurements connecting to Auto CAD
DAY 12	27-09-2022	Feedback.


Program Coordinator


HOD OF CIVIL

Head of the Department
Dept. of CIVIL ENGINEERING
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523320 Prakasam(Dt)

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drsgit_35@yahoo.co.in

College Code : 35

Department: CIVIL ENGINEERING

Academic Year: 2022-2023

Course Name: A Two Week Certificate Programme on Total Station Practical

Schedule: 14.09.2022 to 27.09.2022

Year: IV B.Tech

List of students Enrolled/Completed: 41/40

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	19351A0101	G. ANIL	G. Anil
2	19351A0102	G. ANJALI DEVI	G. Anjali devi
3	19351A0103	M. BRAHMA RAMA KRISHNA	M. Brahma Rama Krishna
4	19351A0105	P. CHANDRAVAMSI	P. Chandra Vamsi
5	19351A0106	K. CHINNA GOPI	K. Chinna gopi
6	19351A0107	J. DEVENDRA	J. Devendra
7	19351A0108	T. DINESH KUMAR	T. Dinesh Kumar
8	19351A0109	B. DIVYA JYOTHI	B. Divya jyothi
9	19351A0114	N. KUMARI	N. Kumari
10	19351A0115	M. LALLUJASMINE	M. Lallujasmine
11	19351A0116	P. MADHU BABU	P. Madhu babu
12	19351A0117	Chekuri. MAHESH	C. Mahesh
13	19351A0118	P. MAHESH BABU	P. Mahesh babu
14	19351A0119	D. MULLAR	P. Mahesh babu
15	19351A0120	SK. MUTHUJAVALI	SK. MuthuJavali
16	19351A0121	M. NADIYA	M. Nadiya
17	19351A0122	B. NAGARAJU	B. Nagaraju
18	19351A0123	S. NAVEEN KUMAR	S. Naveen kumar
19	19351A0124	J. PRANAY KUMAR	J. Pranay kumar
20	19351A0125	Y. PREETHI	Y. Preethi
21	19351A0126	V. RAGHU RAMI REDDY	V. Raghu Rami Reddy
22	19351A0127	G. RAJA SEKHAR YADAV	G. Raja Sekhar Yadav
23	19351A0128	CH. RAMA KRISHNA REDDY	Ch. Rama Krishna Reddy
24	19351A0129	G. RAVI TEJA	G. Ravi Teja
25	19351A0130	SK. RIHANA	SK. Rihana
26	19351A0131	G. RISHITHA	G. Rishitha
27	19351A0132	P. SAMUEL RAJU	P. Samuel Raju
28	19351A0134	SK. SHAMEER	SK. Shameer
29	19351A0135	M. SHILPA	M. Shilpa
30	19351A0136	J. SIREESHA	J. Sireesha
31	19351A0137	Y. SONIYA	Y. Soniya
32	19351A0138	U. SRIDEVI	U. Sridevi
33	19351A0139	SK. SUBANI	SK. Subani
34	19351A0141	Y. VAISHALI	Y. Vaishali
35	19351A0142	Kondra. VENKATESWARLU	K. Venkateswarlu
36	19351A0143	M. WILLIAM KERI	M. William Keri
37	20355A0101	SK. AKBAR ALI	SK. Akbar Ali
38	20355A0102	R. HARINATH REDDY	R. Harinath Reddy
39	20355A0103	CH. RAJESH	Ch. Rajesh
40	20355A0104	Z. RAMESH	Z. Ramesh
41	20355A0105	M. SUNDARAM	M. Sundaram

Programme Coordinator

HOD OF CIVIL

PRINCIPAL
PRINCIPAL

SGIT, B.O. - 523 320, George Town, Darimadugu (V), Markapur (M), Prakasam Dist.

Head of the Department
Dept. of CIVIL ENGINEERING
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523320, Prakasam Dt.

DR. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.

Dr. Samuel George Institute of Engineering & Technology

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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAMME REPORT

Name of the Program : A two week Certificate programme
on **Total Station Practical**

Schedule of Program : 14.09.2022 to 27.09.2022

Venue : Seminar Hall

Organized by : Dept. of Civil

Faculty : **Mr. NAGA MALLESWARA RAO**

Designation : Director, AIM Academy for Civil &
Mechanical Engineers

Number of Participants : 41

Objectives of The Course are:

Introduction
Setting up Instrument
Components
Distance, Area, Co-ordinates, Marking, Location and Position for different engineering works.
Connecting through sensors to Auto CAD and calculations, formulation


Topic Covered:

Introduction –Setting up the TOTAL STATION – components – distance measurements-angle measurements-Co-ordinates-Off-Sets, Layout of building, center line fixing, circles, Arc, curve sections,- engineering works alignments, bench marks, Co-Ordinates in Highways, Canals, Total station measurements connecting to Auto CAD – feedback.

Out Comes of the Course:

Introduction setting up the TOTAL STATION – components – distance measurements – angle measurements-Co-ordinates- Off-sets, layout of building, center line fixing, circles, Arc, curve sections,- engineering works alignments, bench marks, Co-Ordinates in Highways


Program Coordinator


HOD OF CIVIL
Head of the Department
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drsgit_35@yahoo.co.in

College Code : 35

CIRCULAR

DATE: 09-08-2022

All the students of **II B Tech EEE** are hereby informed to attend "A two week Certificate Program on breaking of electrical motors." And the Programming scheduled during from **16-08-2022 to 29-08-2022** by **Miss.V.SIREESHA**. He will deliver the valuable information on Respective program. All the students must participate and make your career enlighten.


Programme Coordinator

HEAD OF THE DEPARTMENT
Electrical & Electronics Engineering
Dr. SAMUEL GEORGE
ENGINEERING
MARKAPUR-523 316, Prakasam Dist, AP

HOD OF EEE

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur town, shape and meets the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

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ABOUT THE DEPARTMENT

The Department currently runs UG & PG programs Electrical & Electronics Engineering and Digital Electronics and Communications Engineering.

The UG-EEE intake is 120 and PG-DEEE intake is 36. The Department of ECE established state-of-the-art labs viz., Electronic Devices and Circuits, Pulse and Digital Circuits, Analog and Digital Communications, Microprocessors and Controllers, Engineering.

and Digital Signal Processing etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like MATLAB, CCStudio, Multisim, XILLINX, Mentor Graphics, etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. YESWARARAO

Principal

PATRON

PROF. CH. RAJABABU


M. VENKATESWARLU

Head of the Department

Electrical & Electronics
Engineering

VENUE

Online Zoom Platform.


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.



Dr. SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

**"BREAKING OF ELECTRICAL
MOTORS"**

16-08-2022 TO 29-08-2022

CO-ORDINATOR

V. SIREESHA

Department of

Electrical & Electronics
Engineering

ORGANIZED BY

Department of

Electrical & Electronics
Engineering

Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK,

Markapur – 523 320.

TARGET AREAS

- ◆ Introduction.
- ◆ Different Methods of breaking of electrical motors.
- ◆ Advantages of electrical breaking over mechanical breaking.
- ◆ Disadvantages of electrical breaking.
- ◆ Comparison between electrical breaking and mechanical breaking.
- ◆ Methods of electrical breaking.
- ◆ plugging
- ◆ Plugging as applied to DC shunt motor.
- ◆ Rheostat Breaking.
- ◆ Regenerative Breaking.
- ◆ Regenerative Breaking as applied to DC shunt motor.
- ◆ Example of plugging.

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the III B Tech ECE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme ON "BREAKING ELECTRICAL MOTORS"

16-08-2022 TO 29-08-2022

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:

(G-Mail Preferably)


PRINCIPAL

Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the A two week certificate programme on **ELECTRICAL MOTORS** at Dept of Electronics and communication Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority
DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate programme on **"ELECTRICAL MOTORS"** Dept of Electronics and communication Engineering,

DR SAMUEL GEORGE INSTITUTE OF
ENGINEERING AND TECHNOLOGY

MAIL ID: sirishavavilla@gmail.com

PHONE. NO: 9063203499

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
An ISO 9000 : 2001 Certified Institution



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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Program on breaking of electrical motors **Year:II**
Faculty Name: Miss.SIREESHA **Academic Year: 2022-2023**

16-08-2022	Introduction.
17-08-2022	Different Methods of breaking of electrical motors.
18-08-2022	Advantages of electrical breaking over mechanical breaking.
20-08-2022	Disadvantages of electrical breaking.
22-08-2022	Comparison between electrical breaking and mechanical breaking.
23-08-2022	Methods of electrical breaking.
24-08-2022	plugging
25-08-2022	Plugging as applied to DC shunt motor.
26-08-2022	Rheostat Breaking.
27-08-2022	Regenerative Breaking.
29-08-2022	Regenerative Breaking as applied to DC shunt motor.


Programme Coordinator


HOD OF EEE
HEAD OF THE DEPARTMENT
Electrical Engineering
Dr. SAMUEL GEORGE INSTITUTE OF
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dt., (A.P.)

Dr. Samuel George Institute of Engineering & Technology

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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35



Department: EEE

Academic Year: 2022-23

Name of the Program: A two weeks Certificate Program on breaking of electrical motors

List of students Enrolled/Completed:18

S.NO	H.T. NUMBER	NAME OF THE CANDIDATE	SIGNATURES
1.	21351A0201	G.ANIL KUMAR	G. Anil kumar
2.	21351A0202	M.CHINNA BABU	M. Chinna Babu
3.	21351A0203	CH.CHINNA NAGESH	CH. Chinna nagesh
4.	21351A0204	M.CHIRANGEEVI	M. chirang Jeevi
5.	21351A0205	P.GURU PRASAD	P. GURU Prasad
6.	21351A0206	V.GOHN BABU	V. Gohn Babu
7.	21351A0207	O.KARTHIK	O. Karthik
8.	21351A0208	D.NOYEL	D. Noyal
9.	21351A0209	V.PAVAN KUMAR	V. Pavan kumar
10.	21351A0210	P.SIMHADRI	P. Simhadri
11.	21351A0211	CH.VENKATA KIRAN	CH. Venkata Kiran
12.	21351A0212	B.LOKESH	B. Lokesh
13.	21355A0213	K.JHANVI	K. Jhanvi
14.	21355A0214	D.MAHESH	D. Mahesh
15.	21355A0215	D.NARENDRA	N. Narendra
16.	21355A0216	K.PRAKASH RAO	K. prakashrao
17.	21355A0217	D.VENGAL RAO	D. Vengal Rao
18.	21355A0218	K.V.SANDEEP KUMAR	K.V. Sandeep kumar

V. Sreedh
Programme Coordinator

M. Chinn
HOD OF EEE
HEAD OF DEPARTMENT
Electrical & Electronics Engine
Dr. SAMUEL GEORGE INSTITU
ENGINEERING & TECHNOLO
MARKAPUR-523 316, Prakasam D



Phone : +918596-200064 (Off)
Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two weeks Certificate Program on breaking of electrical motors

Schedule of program : 16-08-2022 to 29-08-2022

Venue : Seminar Hall

Organized by : Dept of EEE

Faculty : Miss.sireesha

Designation : Assistant professor

Number of Participants : 18

Objectives of this Course are:

The participants will be introduced to

1. Advantages of electrical breaking over mechanical breaking.
2. Comparison between electrical breaking and mechanical breaking.
3. Different systems of breaking of electrical motors.

Learning Outcomes

After going through this course the student will be able to

1. Regenerative Breaking as applied to DC shunt motor.
2. Regenerative Breaking.
3. Rheostat Breaking.
4. Methods of electrical breaking.


Programme Coordinator


HOD OF EEE
HEAD OF THE DEPARTMENT
Electrical Engineering
Dr. SAMUEL GEORGE INSTITUTE OF
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dt., (A.P.)

Dr. Samuel George Institute of Engineering & Technology

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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in


College Code : 35

CIRCULAR

DATE: 09-08-2022

All the students of **III B Tech EEE** are hereby informed to attend "A two week Certificate Program on Electrical drives". And the Programming scheduled during from **16-08-2022 to 29-08-2022** by **Mr.M.VENKATESWARLU**. He will deliver the valuable information on Respective program. All the students must participate and make your career enlighten.


Programme Coordinator


HOD OF EEE
HEAD OF THE DEPARTMENT
Electrical & Electronics Engineer
Dr. SAMUEL GEORGE INSTITUTE
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dt., (A.P.)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also has 100 Mbps internet (Airtel) leased line. The institute has well-staffed and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state-of-art equipment. It has monumental blocks - Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswarayya, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs with diploma, UG & PG programs in Electrical & Electronics Engineering.

The UG- intake is 30 and PG-intake is 24 Diploma intake is 60. The Department of EEE is established in 1997. state-of-the-art labs viz., Electrical Machines-I Lab, Electrical Machines-II Lab, Control System Lab, Power Electronics Lab, Power Systems Lab, Electrical Circuits Lab, Electrical Measuring Instruments Lab, Electrical Simulation lab, Engineering. Power Converters Lab

and Digital Signal Processing etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like MATLAB, CCStudio, Multisim, XILLINX, Mentor Graphics, etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

DR. YESWARARAO

Principal

PATRON

PROF. CH. RAJABABU

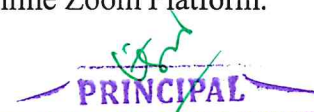
M. VENKATESWARLU

Head of the Department

**Electrical & Electronics
Engineering**

VENUE

Online Zoom Platform.


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.



Dr.SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

ELECTRICAL DRIVES

16-08-2022 TO 29-08-2022

CO-ORDINATOR

M. VENKATESWARLU

Department of

**Electrical & Electronics
Engineering**

ORGANIZED BY

Department of

**Electrical & Electronics
Engineering**

**Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK,**

TARGET AREAS

- Concept of electrical drive.
- Advantages of electrical drive.
- Block diagram of electrical drive.
- Function of each block of an electrical drive.
- Classification of electrical drive.
- Different types of electrical drive.
- DC and AC electrical drive.
- Types of loads and types of load torques.
- Size and rating of motors.
- Load equation.

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the III B Tech EEE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "ELECTRICAL DRIVES"

16-08-2022 TO 29-08-2022

- Student Name:
 - Father Name:
 - Roll No:
 - Mobile No:
 - Course:
 - Department:
 - Organization:
 - Address for communication:
 - Email ID:
- (G-Mail Preferably)


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the A two week certificate programme on **ELECTRICAL DRIVES** at Dept of Electronics and communication Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority
DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate programme on **ELECTRICAL DRIVES**" Dept of Electronics and communication Engineering,

DR SAMUEL GEORGE INSTITUTE OF
ENGINEERING AND TECHNOLOGY

MAIL ID:EEEHOD@GMAIL.COM

PHONE. NO: 9966300632

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
An ISO 9000 : 2001 Certified Institution



Phone : +918596-200064 (Off)
Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two weeks Certificate Program on Electrical drives **Year:III**

Faculty Name: Mr. M.VENKATESWARLU

Academic Year: 2022-2023

16-08-2022	Introduction.
17-08-2022	Definition of electrical drive.
18-08-2022	Concept of electrical drive.
20-08-2022	Advantages of electrical drive.
22-08-2022	Block diagram of electrical drive.
23-08-2022	Function of each block of an electrical drive.
24-08-2022	Classification of electrical drive.
25-08-2022	Different types of electrical drive.
26-08-2022	DC and AC electrical drive.
27-08-2022	Types of loads and types of load torques.
29-08-2022	Size and rating of motors.


Programme Coordinator


HOD OF EEE

HEAD OF DEPARTMENT
Electrical & Electronics Engineering
Dr. SAMUEL GEORGE INSTITUTE OF
ENGINEERING & TECHNOLOGY
MARKAPUR - 523 316, Prakasam Dist., A.P.

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
An ISO 9000 : 2001 Certified Institution



Phone : +918596-200064 (Off)
Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Department: EEE

Academic Year: 2022-23

Name of the Program: A two weeks Certificate Program on Electrical drives

List of students Enrolled/Completed:14

S.NO	H.T. NUMBER	NAME OF THE CANDIDATE	SIGNATURES
1.	21355A0201	Y. AKSHAYA BUNNY	Y. Akshaya Bunny
2.	21355A0202	M.ARAVIND	M. Aravind
3.	21355A0203	CH.ASHOK	CH. ASHOK
4.	21355A0204	S.HARIKA	S. Harika
5.	21355A0205	CH.JASHUVA	CH. Jashuva
6.	21355A0206	H.JEEVARATHNAM	H. Jeevaratham
7.	21355A0207	G.KARTHIK	G. Karthik
8.	21355A0208	G.KISHORE	G. Kishore
9.	21355A0209	K.L.VARA PRASAD	K.L. VARA PRASAD
10.	21355A0210	SK. NAZEER BASHA	SK. NAZEER BASHA
11.	21355A0211	S.R.V. NAVEEN KUMAR REDDY	S.R.V. NAVEEN KUMAR REDDY
12.	21355A0212	G.SRIKANTH	G. Srikanth
13.	21355A0213	P.TIRUPALU	P. Tirupalu
14.	21355A0214	N.PAVAN	N. Pavan

HEAD OF THE DEPARTMENT
Electrical & Electronics Engineering
Dr. SAMUEL GEORGE INSTITUTE OF
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist, Andhra Pradesh



Phone : +918596-200064 (Off)
Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two weeks Certificate Program on Electrical drives
Schedule of program : 16-08-2022 to 29-08-2022
Venue : Seminar Hall
Organized by : Dept of EEE
Faculty : Mr.M.Venkateswarlu
Designation : Associate professor
Number of Participants : 14

Objectives of this Course are:

The participants will be introduced to

1. Types of loads and types of load torque
2. Size and rating of motors.
3. Load equation.

Learning Outcomes

After going through this course the student will be able to

- Advantages of electrical drive.
- Function of each block of an electrical drive
- Concept of electrical drive.


Programme Coordinator


HEAD OF THE DEPARTMENT
HOD OF EEE
Electrical & Electronics Engineering
Dr. SAMUEL GEORGE INSTITUTE OF
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dt., (A.P.)

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
An ISO 9000 : 2001 Certified Institution



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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in


College Code : 35

CIRCULAR

DATE: 09-08-2022

All the students of **IV B Tech EEE** are hereby informed to attend "A two week Certificate Programme on Fractional HP Motors." And the Programming scheduled during from **16-08-2022** to **29-08-2022** by **Mr.K.SURESH KUMAR**. He will deliver the valuable information on Respective program. All the students must participate and make your career enlighten.


Programme Coordinator


HOD OF EEE
HEAD OF DEPARTMENT
Electrical & Electronics Engineering
Dr. SAMUEL GEORGE INSTITUTE OF
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dt., (V)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 100 Mbps internet (Airtel) leased line. The institute has well qualified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks - Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswarayya, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs with diploma, UG & PG programs in Electrical & Electronics Engineering.

The UG- intake is 30 and PG-intake is 24 Diploma intake is 60. The Department of EEE is established in 1997. state-of-the-art labs viz., Electrical Machines-I Lab, Electrical Machines-II Lab, Control System Lab, Power Electronics Lab, Power Systems Lab, Electrical Circuits Lab, Electrical Measuring Instruments Lab, Electrical Simulation lab, Engineering. Power Converters Lab

A large number of activities are

forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. EWARARAO

Principal

PATRON

PROF. CH. RAJA BABU

Vice Principal

CONVENOR

M. VENKATESWARLU

Head of the Department

Electrical & Electronics Engineering

VENUE

Online Zoom Platform.

PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.

A TWO WEEK CERTIFICATE PROGRAMME ON

"FRACTIONAL H.P MOTORS"

16-08-2022 TO 29-08-2022

CO-ORIGINATOR

K. SURESH KUMAR

Department of Electrical & Electronics Engineering

ORGANIZED BY

Department of Electrical & Electronics Engineering

**Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK,
Markapur – 523 320.**

TARGET AREAS

Induction motors.

List the types of 1-phase motors.

Why 1-phase motors are not self-starting motors.

Working principle of 1-phase motors.

Cross field theory

Double field revolving theory.

List the types of stepper motors.

List the applications of 1-phase motors, 1-phase c

Construction of AC series motors.

Construction of universal motors.

Construction and working of split phase motor.

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the IV B Tech EEE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.


REGISTRATION FORM

A Two week Certificate Programme On

“FRACTIONAL H.P MOTORS”

16-08-2022 TO 29-08-2022

- Student Name:
 - Father Name:
 - Roll No:
 - Mobile No:
 - Course:
 - Department:
 - Organization:
 - Address for communication:
 - Email ID:
- (G-Mail Preferably)


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the A two week certificate programme on **FRACTIONALHP H.P MOTORS** at Dept of Electrical and Electronics and Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

“A two week certificate programme on “**FRACTIONAL H.P MOTORS**” Dept of Electronics and communication

Engineering,

DR SAMUEL GEORGE INSTITUTE OF
ENGINEERING AND TECHNOLOGY

MAIL ID: SPANDU@GMAIL.COM

PHONE. NO: 9966010015

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.

An ISO 9000 : 2001 Certified Institution



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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A Two week Certificate Program on Fractional HP Motors **Year:IV EEE**
Faculty Name: Mr. K.SURESH KUMAR **Academic Year: 2022-2023**

16-08-2022	Induction motors.
17-08-2022	List the types of 1- phase motors.
18-08-2022	Why 1- phase motors are not self starting motors.
20-08-2022	Working principle of 1- phase motors.
22-08-2022	Cross field theory
23-08-2022	Double field revolving theory.
24-08-2022	List the types of stepper motors.
25-08-2022	List the applications of 1- phase motors , 1- phase commutator motors, stepper motors.
26-08-2022	Construction of AC series motors.
27-08-2022	Construction of universal motors.
29-08-2022	Construction and working of split phase motor.


Programme Coordinator


HOD OF EEE DEPARTMENT
Electrical & Electronics Engineering
Dr. SAMUEL GEORGE INSTITUTE
ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dt., (

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.
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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Department: EEE

Academic Year: 2022-23

Name of the Program: a two week Certificate Program on fractional HP motors

List of students Enrolled/Completed: 37

S.NO	H.T. NUMBER	NAME OF THE CANDIDATE	SIGNATURES
1.	17351A0235	T.VISHNU	T. Vishnu
2.	19351A0201	P.ANAND	P. Anand
3.	19351A0202	M.ANJINAPPA	M. Anjinappa
4.	19351A0203	K.DIVYA	K. Divya
5.	19351A0204	K.GNANESH REDDY	K. Ganesh Reddy
6.	19351A0206	Y.JANARDHANA	Y. Janardhana
7.	19351A0207	D.KESHAVARANI	D. Keshavarani
8.	19351A0208	SK.KHAJAVALI	SK. Khajavali
9.	19351A0209	J.LAKSHMIVARDHAN REDDY	J. Lakshmi Vardhan Reddy
10.	19351A0210	D.MALIK	D. Malik
11.	19351A0211	M.MANSOOR ALI	M. Mansoor Ali
12.	19351A0212	SK.NABIRASOOL	SK. Nabi Rasool
13.	19351A0213	B.NAGATRIVENI	B. Nagatriveni
14.	19351A0214	B.PRATHEESH	B. PRATHEESH
15.	19351A0215	S.PRIYA MEGHANA REDDY	S. Priya Meghana Reddy
16.	19351A0217	K.RAJA SAI	K. Raja Sai
17.	19351A0218	S.RAJ KUMAR	S. Raj Kumar
18.	19351A0219	B.RENUKA	B. Renuka
19.	19351A0220	E.SATHYAM	E. SATHYAM
20.	19351A0221	P.SHYAM CHAND	P. Sathyam Chand
21.	19351A0222	SK.SOCIEN ASIFA	SK. Souren Asifa
22.	19351A0223	I.SRINIVASA REDDY	I. Srinivasa Reddy
23.	19351A0224	J.SRINIVASA REDDY	J. Srinivasa Reddy
24.	19351A0225	G.SUNEEL KUMAR	G. Suneel Kumar
25.	19351A0226	CH.THIRUMALESH	CH. Thirumalesh
26.	19351A0227	M.VIJAYA RAJU	M. VIJAYA RAJU
27.	19351A0228	P.YEHOSHUVA	P. Yehosuva
28.	20355A0201	D.AHILA	D. AHILA
29.	20355A0202	SK.ASIF	SK. ASIF
30.	20355A0203	J.DINAKAR	J. Dinakar
31.	20355A0204	A.GANESH REDDY	A. GANESH REDDY
32.	20355A0205	P.MADHU SEKHAR	P. Madhu Sekhar
33.	20355A0206	P.PRIYANAKA	P. PRIYANAKA
34.	20355A0207	M.RANGA REDDY	M. Ranga Reddy
35.	20355A0208	M.SURESH	M. Suresh
36.	20355A0209	S.V.RAMI REDDY	S.V. Rami Reddy
37.	20355A0210	SK.YASAR	SK. YASAR

Programme Coordinator

HOD OF EEE

SGIT A.O. 523 320, George Town, Darimadugu (Vi), Markapur (M), Prakasam (Dist), A.P.

HEAD OF DEPARTMENT
Dr. S. S. Srinivasulu Reddy
ENGINEERING
MARKAPUR-523 316, Prakasam Dt., (A)



Phone : +918596-200064 (Off)
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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Program on fractional HP motors
Schedule of program : 16-08-2022 to 29-08-2022
Venue : Seminar Hall
Organized by : Dept of EEE
Faculty : Mr.K.SURESH KUMAR
Designation : Associate professor
Number of Participants : 37

Objectives of this Course are:

The participants will be introduced to

1. List the types of 1- phase motors.
1- phase motors are not self starting motors.
2. Working principle of 1- phase motors.

3. Learning Outcomes

After going through this course the student will be able to

1. List the applications of 1- phase motors , 1- phase commutator motors, stepper motors.
2. Construction and working of split phase motor.
3. Constuction and working of capacitor start and shaded pole motors.
4. Constuction of AC series motors


Programme Coordinator


HOD OF EEE



Phone : +918596-200064 (Off)
Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

DATE: 01-11-2022

CIRCULAR

All the students of **II B Tech I SEM MECHANICAL ENGINEERING** are hereby informed to attend the "A two week Certificate Programme on **ALTERNATIVE FUELS.**" The Programme scheduled from **07-11-2022 to 19-11-2022** and delivered by **M.ANJANEYULU**. He will deliver the valuable information on the respective program. All the students must participate and make your career enlightened.

Head of the Department

Mechanical Engineering
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam Dist.

Principal

PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist

ABOUT THE COLLEGE

Samuel George Institute of Engineering & Technology was established in 1997 at Markapur. It sharpens, shapes and meets the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also has 100Mbps Internet (Airtel) leased line. The institute has well-qualified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state-of-the-art equipment. It has monumental blocks – B.R. Ambedkar, Sir.C.V.Raman, Sir. Visweswararao, Dr.APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG&PG programs in Mechanical Engineering and Thermal Engineering.

The UG-MECH intake is 60 and PG-Thermal Engineering intake is 24. The Department of MECH established state-of-the-art labs viz.,

Fluid Mechanics and Hydraulics Machines lab, Metrology & instrumentation lab, Thermal Engineering lab, Machine tools lab, MOS & Metallurgy lab, Heat Transfer lab, Theory of Machines lab, Production Technology labs etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like CAD-CAM, CATIA, ANSYS etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr.Y. Eswara Rao
Principal

PATRON

Prof. Ch.Raja Babu
Vice Principal

CONVENOR

Dr M. Mastanaiah
Head of the Department
Mechanical Engineering

VENUE

Seminar Hall
Dept of Mechanical Engineering



Dr.SGIT



A Two week Certificate Programme On

“ALTERNATIVE FUELS”

07-11-2022 to 19-11-2022

CO-ORDINATOR

M. Anjaneyulu
Department of
Mechanical Engineering

ORGANIZED BY

Department of
Mechanical Engineering

Signature
PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523316, Prakasam Dist.
Dr. Samuel George Institute of
Engineering & Technology, Affiliated to
JNTUK,
Markapur-523316.

TARGET AREAS

- The alternative fuel sources are environment-friendly as opposed to fossil fuels.
- By using alternative sources we can reduce, air pollution, soil pollution and water pollution.
- Using alternative fuel helps diminish Global Warming.

REGISTRATION DETAILS

- There is no Registration fee for the Program.
- Registration for the Program can be done using the registration form.
- All the II B Tech I Sem MECH students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "ALTERNATIVE FUELS"

07-11-2022 to 19-11-2022

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:
(G-Mail Preferably)

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/institution and is here by permitted to attend the "A two week certificate programme on Alternative Fuels" at Dept of Mechanical Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:
Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:
Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate programme on Alternative Fuels"

PRINCIPAL
Dr. SAMUEL GEORGE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Pranam Dist

Dept of Mechanical Engineering,

Dr Samuel George Institute of Engineering

and Technology

Mail ID: anji.anji19@gmail.com

Phone No: 8185899797



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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Programme on **ALTERNATIVE FUELS**

Year: **II B Tech I Sem**

Faculty Name: **M. Anjaneyulu**

Academic Year: **2022-2023**

07-11-2022	Introduction to alternative fuels. - Need for alternative fuels - Availability of different alternative fuels for SI and CI engines. Alcohols as fuels. Production methods of alcohols
08-11-2022	Properties of alcohols as fuels. Methods of using alcohols in CI and SI engines. Blending, dual fuel operation, surface ignition and oxygenated additives. Performance emission and combustion characteristics in CI and SI engines.
09-11-2022	Various vegetable oils and their important properties. Different methods of using vegetable oils engines – Blending, preheating Transesterification
10-11-2022	Emulsification of Vegetable oils - Performance in engines – Performance, Emission and Combustion Characteristics in diesel engines.
11-11-2022	Production methods of hydrogen. Combustive properties of hydrogen. Problems associated with hydrogen as fuel and solutions.
12-11-2022	Different methods of using hydrogen in SI and CI engines. Performance, emission,
14-11-2022	Combustion analysis in engines. Hydrogen storage - safety aspects of hydrogen.
15-11-2022	BIOGAS, NATURAL GAS AND LPG AS FUELS , Production methods of Biogas, Natural gas LPG. Properties studies.
16-11-2022	CO ₂ and H ₂ S scrubbing in Biogas., Modification required to use in SI and CI Engines- Performance and emission characteristics of Biogas, NG and LPG in SI and CI engines.
17-11-2022	ELECTRIC, HYBRID AND FUEL CELL VEHICLES Layout of Electric vehicle and Hybrid vehicles – Advantages and drawbacks of electric
18-11-2022	Hybrid vehicles. System components, Electronic control system – Different configurations of Hybrid vehicles.
19-11-2022	Power split device. High energy and power density batteries – Basics of Fuel cell vehicles.


Programme Coordinator


HOD OF ME

Dr. Samuel George Institute of Engineering & Technology

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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Name of the Program: A two week Certificate Programme on ALTERNATIVE FUELS

List of students Enrolled/Completed: 45

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	21351A0301	Puppala ABHISHEK	P. Abhishek
2	21351A0302	J. ARUN KUMAR	J. Arun Kumar
3	21351A0303	J. ASHOK	J. Ashok
4	21351A0304	A. ASHOK KUMAR	A. Ashok Kumar
5	21351A0305	T. BABI	T. Babi
6	21351A0306	A. DURGA PRASAD	A. Durga Prasad
7	21351A0307	Z. ESWAR REDDY	Z. Eswar Reddy
8	21351A0308	CH. GANESH	Ch. Ganesh
9	21351A0309	K. GNANESWAR	K. Gnaneswar
10	21351A0310	D. HARI	D. Hari
11	21351A0311	M. HARI KRISHNA	M. Hari Krishna
12	21351A0312	A. HARIKRISHNA PRASAD	A. Hari Krishna Prasad
13	21351A0313	T. HARINATH	T. Harinath
14	21351A0314	K. HEMANTH KUMAR REDDY	K. Hemanth Kumar Reddy
15	21351A0315	SK. IRFAN	Sk. Irfan
16	21351A0316	G. KARTHIK	G. Karthik
17	21351A0317	G.R. KRISHNA MURTHY	G.R. Krishna Murthy
18	21351A0319	P. MAHENDRA	P. MAHENDRA
19	21351A0320	N. NAGESH	N. Nagesh
20	21351A0321	B. NAVEEN KUMAR	B. Naveen Kumar
21	21351A0322	L. PRASANTH	L. Prasant
22	21351A0323	N. RAJESH	N. Rajesh
23	21351A0324	N. RAMA RAJU	N. Rama Raju
24	21351A0325	V.T. RANJITH KUMAR	V.T. Ranjith Kumar
25	21351A0326	N. SAGAR BABU	N. Sagar Babu
26	21351A0327	S. SAI KUMAR	S. Sai Kumar
27	21351A0328	T. SANJAY KUMAR	T. Sanjay Kumar
28	21351A0329	CH. SHARAN KUMAR	Ch. Sharan Kumar
29	21351A0330	B. SRINIVASULU	B. Srinivasulu
30	21351A0332	S. SUNDAR RAJU	S. Sundar Raju




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drsgit_35@yahoo.co.in

College Code : 35

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
31	21351A0333	M. TEJA	M. TEJA
32	21351A0334	K. VEERENDRA	K. Veerendra
33	21351A0335	Y. VENKATA KRISHNA	Y. Venkata Krishna
34	22355A0301	K. AKASH	K. Akash
35	22355A0302	O. CHINNA YOGAIAH	O. Chinna Yogaiah
36	22355A0303	K. PAVAN KUMAR	K. Pavan Kumar
37	22355A0304	K. PRAKASH RAO	K. prakash rao
38	22355A0305	Y. PRASANNA KIRAN	Y. Prasanna Kiran
39	22355A0306	T. RAMESH	T. Ramesh
40	22355A0307	S. RANJITH KUMAR	S. Ranjith Kumar
41	22355A0308	G. REVANTH KUMAR REDDY	G. Revanth Kumar Reddy
42	22355A0309	N. ROHITH KUMAR	N. Rohith Kumar
43	22355A0310	Y. SAI KRISHNA	Y. Sai Krishna
44	22355A0311	T. SATYANARAYANA	T. Satyanarayana
45	22355A0312	P. VISWANATH	p. viswanath


Programme Coordinator


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College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Programme on
ALTERNATIVE FUELS
Schedule of program : **07-11-2022 to 19-11-2022**
Venue : Seminar Hall
Organized by : Dept of MECHANICAL
Faculty : Mr M. Anjaneyulu
Designation : Associate Professor
Number of Participants : 45

Objectives of the Course:

- Identify key barriers to alternative fuel corridor development
- Evaluate needs, priorities, tools and opportunities to implement alternative fuel infrastructure.
- Increase awareness on economic and environmental benefits of alternative fuel vehicle (AFV) technologies.
- Develop a regional strategy to advance the AFV marketplace.
- Build sustainable partnerships for continued strategic vision & corridor expansion.


Topics Covered:

- Biodiesel | Diesel Vehicles.
- Electricity | Electric Vehicles.
- Ethanol | Flex Fuel Vehicles.
- Hydrogen | Fuel Cell Vehicles.
- Natural Gas | Natural Gas Vehicles.
- Propane | Propane Vehicles.
- Renewable Diesel.
- Sustainable Aviation Fuel

Outcomes of the Course:

- On completion of the course, the student will understand the various alternative fuels available,
- Its properties, performance characteristics, combustion characteristics,
- Emission characteristics, engine modifications required etc.,


Programme Coordinator


HOD OF ME
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Dr. Samuel George Institute of
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Markapur Prakesam (Dist) AP



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College Code : 35

DATE: 06-02-2023

CIRCULAR

All the students of **III B Tech II SEM MECHANICAL ENGINEERING** are hereby informed to attend the “A two week Certificate Programme on **AUTOMATION IN MANUFACTURING.**” The Programme scheduled from **13-02-2023 to 25-02-2023** and deliver by **Mr G.GANGA RAO.** He will deliver the valuable information on the respective program. All the students must participate and make your career enlightened.


Head of the Department

Mechanical Engineering
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam Dist.


Principal

PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

ABOUT THE COLLEGE

Samuel George Institute of Engineering & Technology was established in 1997 at Markapur sharpen, shape and meets the global trends by parting the values, ethics and true culture in technical education. It is first Engineering College Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard work and Value of Time" and imparts quality technical education to the rural area as to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 10Mbps Internet (Airtel) leased line. The institute has well qualified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks - B.R.Ambedkar, Sir.C.V.Raman, Sir.Visweswaraiah, Dr.APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG&PG programs Mechanical Engineering and Thermal Engineering.

The UG-MECH intake is 60 and PG-Thermal Engineering intake is 24. The Department of MECH established state-of-the-art labs viz.,

Fluid Mechanics and Hydraulics Machines, Metrology, Thermal Engineering, Machine tools, CAD/CAM lab, MOS & Metallurgy lab, Heat Transfer labs etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like CAD-CAM, CATIA, ANSYS etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr.Y. Eswara Rao
Principal

PATRON

Prof. Ch.Raja Babu
Vice Principal

CONVENOR

Dr M. Mastanaiah
Head of the Department
Mechanical Engineering

VENUE

Seminar Hall
(Dept of Mechanical Engineering)



Dr.SGIT



A Two week Certificate Programme On

"Automation in Manufacturing"

13-02-2023 to 25-02-2023

CO-ORDINATOR

G. Ganga Rao
Department of
Mechanical Engineering

ORGANIZED BY

Department of
Mechanical Engineering

team
PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

Dr. Samuel George Institute of
Engineering & Technology, Affiliated to
JNTUK,
Markapur-523320.

TARGET AREAS

- The end goal of manufacturing automation is to increase production capacity while reducing costs.
- Electro mechanical systems can be programmed to perform a variety of tasks
- Automation is particularly helpful for respective tasks or tasks that required extreme precision.

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the III B Tech II Sem MECH students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "Automation in Manufacturing"

13-02-2023 to 25-02-2023

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:
(G-Mail Preferably)

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/institution and is here
by permitted to attend the "A two week certificate
programme on Automation in Manufacturing" at
Dept of Mechanical Engineering, Dr Samuel
George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the
best of my knowledge. I agree to abide by the
rules and regulations governing the program I
shall attend the program for the entire duration. I
also undertake the responsibility to inform the
Co-ordinator in advance in case of inability to
attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator


"A two week certificate programme on
Automation in Manufacturing"

Dept of Mechanical Engineering,

**Dr Samuel George Institute of Engineering
and Technology**

Mail ID: gangarao316@gmail.com

Phone No: 8790976315


PRINCIPAL
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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Programme on **AUTOMATION IN MANUFACTURING**
Year: III B Tech II Sem
Faculty Name: G. Ganga Rao
Academic Year: 2022-2023

13-02-2023	Introduction: Types and strategies of automation, pneumatic and hydraulic components circuits, Automation in machine tools,
14-02-2023	Electronic injection system, CI engine- Injection systems- Mechanical and electronic-Combustion in CI engines
15-02-2023	Automated flow lines: Methods or work part transport transfer Mechanical buffer storage control function, design and fabrication consideration
16-02-2023	Analysis of Automated flow lines: General terminology and analysis of transfer lines without and with buffer storage,
17-02-2023	partial automation, implementation of automated flow lines Assembly system and line balancing: Assembly process and systems assembly line
20-02-2023	Line balancing method, ways of improving line balance, flexible assembly lines,
21-02-2023	Automated material handling: Types of equipment, functions, analysis and design of material handling systems conveyor systems,
22-02-2023	Automated guided vehicle systems, Automated storage systems: Automated storage and retrieval systems;
23-02-2023	work in process storage, Interfacing handling and storage with manufacturing,
24-02-2023	Fundamentals of Industrial controls: Review of control theory, logic controls, Sensors and Actuators,
25-02-2023	Data communication and LAN in manufacturing, Business process Re-engineering: Introduction to BPE logistics, ERP, Software configuration of BPE.


Programme Coordinator


HOD OF ME
Mechanical Engineering
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 346, Prakasam (Dist), A.P.

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drsgit_35@yahoo.co.in

College Code : 35

Name of the Program: A two week Certificate Programme on AUTOMATION IN MANUFACTURING

List of students Enrolled/Completed: 35

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	20351A0301	K. ABHIRAM	K. Abhiram
2	20351A0302	K. ARUN SUKUMAR	K. Arun
3	20351A0303	C. AYYAVARAI AH	C. Ayyavarai Ah
4	20351A0304	V. BABU RAO	V. Babu Rao
5	20351A0305	P. BALAPOTHI REDDY	P. balapothi reddy
6	20351A0306	M. BHARATH KUMAR	M. bhath kumar
7	20351A0309	G. KARUNA PRASAD	G. Karuna Prasad
8	20351A0310	U. MANI CHANDRA	u. mani chandra
9	20351A0311	G. MANOJ KUMAR	G. manoj kumar
10	20351A0313	M. OBULARAJU	M. OBULARAJU
11	20351A0314	K. PRAVEEN KUMAR REDDY	K. Praveen Kumar Reddy
12	20351A0315	K. RAJESH	K. RAJESH
13	20351A0316	K. RAMU	K. Ramu
14	20351A0317	G. RAMUDU	G. Ramudu
15	20351A0318	C. RAVI TEJA	C. Raviteja
16	20351A0319	K. RENU KUMAR	K. Renu kumar
17	20351A0320	P. SAIHARI	P. Saihari
18	20351A0321	S. SAI JEEVAN KUMAR	S. Sai jeevan kumar
19	20351A0323	S. SANDEEP	S. Sandeep
20	20351A0324	M. SANTHOSH KUMAR	M. Santhosh kumar
21	20351A0325	S. STEEPHAN	S. Steephah
22	20351A0326	N. SUMANTH	N. Sumanth
23	20351A0327	V. SURESH BABU	V. Suresh Babu
24	20351A0328	M. TARUN	M. TARUN
25	20351A0329	Y. UDAY KIRAN	Y. Uday Kiran
26	20351A0330	P. VINOD KUMAR	P. Vinod kumar
27	20351A0331	C. YUGANDHAR	C. Yugandhar
28	21355A0301	V. BHANU PRASAD	V. Bhanu prasad
29	21355A0302	M. KISHORE NAIK	M. Kishore Naik
30	21355A0303	J. MURALI KRISHNA	J. Murali Krishna




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College Code : 35

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
31	21355A0304	Y. POLI REDDY	Y. Poli Reddy
32	21355A0305	D. PREMKUMAR	D. Premkumar
33	21355A0306	K. SIVA	K. SIVA
34	21355A0307	B. SUNEEL KUMAR	B. Suneel Kumar
35	21355A0308	G. VENKATESWARLU	G. Venkateswarlu


Programme Coordinator


HOD OF ME
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College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Programme on
AUTOMATION IN MANUFACTURING
Schedule of program : 13-02-2023 to 25-02-2023
Venue : Seminar Hall
Organized by : Dept of MECHANICAL ENGINEERING
Faculty : Mr G. Ganga Rao
Designation : Assistant Professor
Number of Participants : 35

Objectives of the Course:

- Remembering,
- Understanding,
- Applying,
- Analyzing,
- Evaluating,
- Creating.


Topics Covered:

- Numerical analysis and Programming.
- Electronics.
- Thermal Science.
- Electrical Science.
- LAN and Networking.
- Machine Design.
- Metallurgy.
- Applied Mathematics

Outcomes of the Course:

- Engineering Knowledge,
- Modern tool usage,
- The Engineer and Society,
- Environment and Sustainability,
- Ethics, Individual team work,
- Design/ Development of Solutions,
- Conduct investigations of complex problems,
- Communication, Project Management and Finance.


Programme Coordinator


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College Code : 35

DATE: 11-07-2022

CIRCULAR

All the students of **IV B Tech I SEM MECHANICAL ENGINEERING** are hereby informed to attend the "A two week Certificate Programme on ANSYS." The Programme scheduled from **18-07-2022 to 30-07-2022** and delivered by **D. RAMESH BABU**. He will deliver the valuable information on the respective program. All the students must participate and make your career enlightened.

Head of the Department

Mechanical Engineering
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam Dist.

Principal

PRINCIPAL
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MARKAPUR-523 316, Prakasam Dist.

ABOUT THE COLLEGE

Samuel George Institute of Engineering & Technology was established in 1997 at Markapur sharpen, shape and meets the global trends by imparting the values, ethics and true culture in technical education. It is first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also has 100Mbps Internet (Airtel) leased line. The institute has well-qualified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state-of-the-art equipment. It has monumental blocks - Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswararao, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG&PG programs Mechanical Engineering and Thermal Engineering.

The UG-MECH intake is 60 and PG-Thermal Engineering intake is 24. The Department of MECH established state-of-the-art labs viz.,

Fluid Mechanics and Hydraulics Machines lab, Metrology & instrumentation lab, Thermal Engineering lab, Machine tools lab, MOS & Metallurgy lab, Heat Transfer lab, Theory of Machines lab, Production Technology labs etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like CAD-CAM, CATIA, ANSYS etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. Eswara Rao
Principal

PATRON

Prof. Ch. Raja Babu
Vice Principal

CONVENOR

Dr. M. Mastanaiah
Head of the Department
Mechanical Engineering

VENUE

Seminar Hall
Dept of Mechanical Engineering



Dr. SGIT



A Two week Certificate Programme On

"ANSYS"

18-07-2022 to 30-07-2022

CO-ORDINATOR

D. Ramesh Babu
Department of
Mechanical Engineering

ORGANIZED BY

Department of
Mechanical Engineering

PRINCIPAL
Dr. SAMUEL GEORGE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist
Samuel George Institute of
Engineering & Technology, Affiliated to
JNTUK,
Markapur-523316.

TARGET AREAS

- Academia
- Aerospace & Defense
- Automotive
- Energy
- Healthcare
- Oil & Gas etc.

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the IV B Tech I Sem MECH students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "ANSYS"

18-07-2022 to 30-07-2022

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:
(G-Mail Preferably)

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/institution and is here by permitted to attend the "A two week certificate programme on ANSYS" at Dept of Mechanical Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:
Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:
Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate programme on ANSYS"

Dept of Mechanical Engineering,

Dr Samuel George Institute of Engineering

and Technology

Mail ID: assis.s08@gmail.com

Phone No: 9949725636

sgm
PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam



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drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Programme on ANSYS

Year: IV B Tech I Sem

Faculty Name: **D. Ramesh Babu**

Academic Year: **2022-2023**

18-07-2022	Introduction to FEM/FEA concepts, Introduction to Ansys, Creating geometry, Generation of key points, lines.
19-07-2022	Areas & volumes, Extruding areas, lines & key points, Work plane management, coordinate systems.
20-07-2022	Editing geometry, Performing Boolean operations(Add, subtract, intersect), Boolean operation-(divide, glue, partition, overlap)
21-07-2022	Move/modify, Copy & reflect geometries, Check geometric properties, Import geometry from other CAD software,
22-07-2022	Material Definition, Explaining about nodes & elements, Meshing, Types of mesh – Free & mapped meshing
23-07-2022	Explaining about mesh attributes. Size controls, Meshing key points, lines, areas & volumes. Mapped meshing, Mesh concatenation,
25-07-2022	Mesh extrusion, Mesh sweeping, Hexa – tetra conversion, Define loading & boundary conditions, Different types of loads, Different types of constraints.
26-07-2022	Introduction to State Structural Analysis, Beam analysis, Truss analysis, Stresses in bars, Stresses in composite bars,
27-07-2022	Strain energy calculation, Finding out reaction solutions, Model analysis, Transient Dynamic analysis
28-07-2022	Over view on Non-linear analysis, Thermal analysis, Coupled field analysis, APDL Concepts
29-07-2022	Advanced post processing, Report generation, Model Analysis, Impulse Loading, Sinusoidal Loading, Harmonic Loading
30-07-2022	Transient Heat Analysis, Fluid Dynamics, Test & Review.

Programme Coordinator

HOD OF ME

Head of the Department
Mechanical Engineering
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, PRAKASAM DISTRICT

Dr. Samuel George Institute of Engineering & Technology

Approved By AICTE, New Delhi & Affiliated to JNTUK, KAKINADA.

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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Name of the Program: A two week Certificate Programme on ANSYS

List of students Enrolled/Completed: 43

SNO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	19351A0301	SK. ABDUL KHADAR	Sk. Abdul Khadar.
2	19351A0302	SK. ABDUL RAHIM	Sk. Abdul Rahim.
3	19351A0303	Y. ANIL KUMAR	Y. Anil Kumar.
4	19351A0304	V. BABU	V. Babu
5	19351A0305	B. BHARGAV PRASAD RAO	B. Bhargav Prasad RAO
6	19351A0306	P. BRAMHAI AH	P. Bramhasah
7	19351A0307	Y. CHENNAIAH	Y. Chennaiah
8	19351A0308	K. DURGACHARI	K. Durgachari
9	19351A0309	Y. GADILINGAPPA	Y. Gadilingappa
10	19351A0310	M. GEETHA	M. Geetha
11	19351A0311	B. GOPI	B. Gopi
12	19351A0313	K. KHASIM SAB	K. Khasim sab.
13	19351A0315	Chandaluri. MAHESH	Ch. Mahesh
14	19351A0316	P. MAHESH	P. Mahesh
15	19351A0317	R. MAHESH BABU	R. Mahesh Babu
16	19351A0318	B. MANJU	B. Manju
17	19351A0319	P. NAGA MANEEDRA	P. Nagamaneeser.
18	19351A0320	V. NARESH	V. Naresh
19	19351A0321	J. NITHIN	J. Nithin
20	19351A0322	M. PRASHANTH	M. Prashanth.
21	19351A0323	K. PRATAP REDDY	K. Pratap Reddy
22	19351A0325	D. RAJESH	D. Rajesh
23	19351A0327	G. RANGANAYAKULU	G. Ranganayakulu
24	19351A0328	G. RATNAKAR	G. Ratnakar
25	19351A0329	D. SAMSON GRACE LIVINGSTAN	D. Samson Grace Livingston
26	19351A0330	CH. SIVA	Ch. Shiva
27	19351A0331	A. SIVA KOTESWARA RAO	A. Siva Koteswara Rao
28	19351A0332	P. SIVA REDDY	P. Siva Reddy
29	19351A0333	P. SUDARSAN	P. Sudarshan.
30	19351A0334	K. SUJAN PRIYANKA	K. Sujan Priyanka




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College Code : 35

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
31	19351A0335	V. VANDAN KUMAR	v.vandhan kumar
32	19351A0336	V. VEERESH	V. VEERESH.
33	19351A0337	G. VENKATESH	G. venkatesh
34	19351A0338	Kurukundu. VENKATESWARLU	K. venkateswarlu.
35	19351A0339	R. VICTOR BABU	R. Victor Babu.
36	19351A0341	S. YEDUKONDALA VENKATA AKHIL	S.Y.V. Akhil
37	19MC1A0336	N. MAHESWAR REDDY	N. Maheswar Reddy
38	20355A0301	D. JANARDHAN	D. Janardhan
39	20355A0302	SK. MOHAMMED NOORULLA	SK. Mohammed Noorulla.
40	20355A0303	B. NEELADHAR	B. NeelaDhar
41	20355A0304	K. PRAKASH RAO	K. Prakash Rao
42	20355A0305	A. RATNA KUMAR	A. Ratna Kumar.
43	20355A0306	B. SIVA MADHAVA NAIDU	B. Siva Madhava Naidu


Programme Coordinator


HOD OF ME
Mechanical Engineering
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316 Prakasam



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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Programme on
"ANSYS"
Schedule of program : 18-07-2022 to 30-07-2022
Venue : Seminar Hall
Organized by : Dept of MECHANICAL
Faculty : Mr D. Ramesh Babu
Designation : Associate Professor
Number of Participants : 43

Objective of this Course are:

- General understanding of the user interface
- Procedure for creating sketches and assigning dimensions
- Procedure for creating and modifying 3D geometry
- Working with imported CAD geometries and using 3D operations to extract fluid regions from solid parts
- Parametric modeling

Topics Covered:

- Structural: Static, Dynamic
- Thermal: Steady state, Transient state
- CFD: Laminar, Turbulent

Outcomes of the Course:

- Effectively manage design-simulation iterative process Enable and automobile best practices
- Improved collaboration between mechanical design, electronics design and simulation
- Support digital driven product development Improve engineering work efficiency
- Ensure interoperability between tools
- Synchronized data sharing, keep up with design changes Ensure engineers are working on correct version of data.
- Traceability: Requirements-Design-Simulation-Results
- Full traceability; Requirements to designs and simulations
- Provide visibility into overall project schedules and progress Easily to use and configure reporting dashboards.

Programme Coordinator

HOD OF MECHANICAL ENGINEERING
Dr. Samuel George Institute of
Engineering & Technology

Dr. Samuel George Institute of Engineering & Technology

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College Code : 35

CIRCULAR

DATE: 13-04-2023

All the students of **II B Tech II SEM ECE** are hereby informed to attend A two week Certificate Program on PCB designing and Its Applications and the Programming scheduled from **16-04-2023 to 24-04-2023** and is delivered by **Mr. Y V A Satyanarayana**. He will deliver the valuable information on Respective program. All the students must participate and make your career enlighten.

Program Coordinator

HOD OF ECE
Head of the Department
Dept. of E C E
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam(Dt)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of ICCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of Discipline, Hard Work and Value of Time” and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 100 Mbps Internet (Airtel) leased line. The institute has well ratified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks – Dr. B.R. Ambedkar, Sir. C. V. Raman, Sir. Visweswaraya, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG programs Electronics & Communications Engineering and Digital Electronics and Communications Engineering.

The UG-ECE intake is 120 and PG-DECE intake is 36. The Department of ECE established state-of-the-art labs viz.,

Electronic Devices and Circuits, Pulse and Digital Circuits, Analog and Digital Communications, Microprocessors and Controllers, Microwave Engineering, VLSI and Digital Signal Processing etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like MATLAB, CCStudio, Multisim, XILLINX, Mentor Graphics, etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. Eswara Rao
Principal

PATRON

Prof. Ch. Raja Babu
Vice Principal

CONVENOR

Y. V. Adi Satyanarayana
Head of the Department
Electronics & Communications
Engineering

VENUE
Offline Platform.

PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316 Prakasam Dist.



Dr.SGIT



A Two week Certificate Programme

On

“PCB Designing & Its Applications”

16-04-2023 to 28 -04-2023

CO-ORDINATOR

Y.V.Adi Satyanarayana

Department of
Electronics & Communications
Engineering

ORGANIZED BY

Department of
Electronics & Communications
Engineering

**Dr.Samuel George Institute of
Engineering & Technology,**

Affiliated to JNTUK,
Markapur – 523 320.

TARGET AREAS

- Introduction about the PCB
- Understanding the steps and processes of PCB
- The type of PCB such as single sided
- Project1:- Design and develop 5 volts regulated power supply
- Project2:- Design and develop a simple 555 Ic base Astable multi vibrator
- Project3:-temperature controlled fan using 1 M 393 Comparator
- Explanation about the designing of PCB
- Developing the schematics of circuit
- Demonstrate of the process of printing
- File master operation
- Plan sheet cutting
- Remove the oxidation layer

REGISTRATION DETAILS


- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the II B Tech ECE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "PCB Designing & Its Applications"

16-04-2023 to 28-04-2023

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:
(G-Mail Preferably)


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the A two week certificate program on PCB Designing and Manufacturing at Dept of Electronics and communication Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate program on PCB Designing and Its Applications"
Dept of Electronics and communication Engineering,

Dr Samuel George Institute of Engineering and Technology

Mail ID: yvasnlp@gmail.com

Phone. No: 9182383446

Dr. Samuel George Institute of Engineering & Technology

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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Program on PCB designing and Its Applications **Year: II**
Faculty Name: Mr. Y V A Satyanarayana **Academic Year: 2022-2023**

16-04-2023	<ul style="list-style-type: none">• Introduction about the PCB• Explain about the terms like copper foil, art work silk screen, solder mask etc., related to PCB
17-04-2023	<ul style="list-style-type: none">• Understanding the steps and processes of PCB• making PCB the processes are namely tinning drilling and etching
18-04-2023	<ul style="list-style-type: none">• The type of PCB such as single sided PCB printed through hole and multilayer• Introduction about PCB and proceeds to the software part three projects and their related circuits Project1:- Design and develop 5 volts regulated power supply
19-04-2023	<ul style="list-style-type: none">• Project2:- Design and develop a simple 555 Ic base Astable multi vibrator• Project3:-temperature controlled fan using 1 M 393 Comparator
20-04-2023	<ul style="list-style-type: none">• Explanation about the designing of PCB circuit in PCB wizard software• The process of designing the circuit
21-04-2023	<ul style="list-style-type: none">• Developing the schematics of circuit design using industrial standard editor• Auto routing of circuit design in PCB software practically
22-04-2023	<ul style="list-style-type: none">• Illustration about the printing of circuit on the PCB.• Demonstrate of the process of printing the circuit an PCB's.
23-04-2023	<ul style="list-style-type: none">• PCB manufacturing process : Preparing art work,• Circuit printing, chemical etching, soldering mask and legend printing, tinning and placement of components.
24-04-2023	File master operation: <ul style="list-style-type: none">• Observe precautions for lith film.• Carry out processes for developing and fixing of lith films.• Carry out processes for making negative and positive films.
25-04-2023	<ul style="list-style-type: none">• Plan sheet cutting.• Cut sheets by using shearing machines.• Make mounting holes/slots by using punching machines.
26-04-2023	<ul style="list-style-type: none">• After completion of theoretical session, two projects namely Astable multi vibrator and temperature controlled fan have to be done by the students.• Finally soldering and testing of sample projects.
27-04-2023	<ul style="list-style-type: none">• Carry out final cutting by using angular cutting machines.• Remove the oxidation layer from copper surface by manual cleaning, chemical process

Program Coordinator

HOD OF ECE

Head of the Department
Dept. of ECE

Dr. Samuel George Institute of
Engineering & Technology
Markapur (M), Prakasam (Dist), A.P.

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drsgit_35@yahoo.co.in

College Code : 35

Department: ECE

Academic Year: 2022-2023

Name of the Program: A two week Certificate Program on PCB designing and Its Applications

List of students Enrolled/Completed: 92

YEAR: II B.TECH

S NO	ROLL NUMBER	STUDENT NAME	SIGNATURES
1.	21351A0401	K. AADI	K. Aadi
2.	21351A0402	SK. ABDUL JABER	SK. Abdul Jaber
3.	21351A0403	Palle. ABHISHEK	P. Abhishek
4.	21351A0404	Papabathuni. ABHISHEK	P. Abhishek
5.	21351A0405	D. AKHIL KUMAR	D. Akhil Kumar
6.	21351A0406	V. AMRUTHA	V. Amrutha
7.	21351A0407	D. ANITHA	D. Anitha
8.	21351A0408	G. ASHOK YADAV	G. Ashok yadav
9.	21351A0409	G. ASWINI	G. ASWINI
10.	21351A0410	Y. AVINASH	Y. Avinash
11.	21351A0411	SK. AYESHA	SK. Ayesha
12.	21351A0412	M. BHARATH	M. Bharath
13.	21351A0413	CH. CHAITANYA KUMAR	CH. chaitanya kumar
14.	21351A0414	K. CHINNARAYUDU	K. Chinnarayudu
15.	21351A0415	P. DEVI	P. Devi
16.	21351A0416	P. DHANALAKSHMI	P. Dhanalakshmi
17.	21351A0417	C.N. DILEEP KUMAR	C.N. Dileep kumar
18.	21351A0418	P. DIVAKAR	P. Divakar
19.	21351A0419	D. DURGA BHAVANI	D. Durga bhavani
20.	21351A0420	P. ESTHERI	P. Estheri
21.	21351A0421	B. GAYITHRI	B. Gayathri
22.	21351A0422	K. GOWTHAMI	K. Gowthami
23.	21351A0423	M. HEMALAKSHMI	M. Hema Lakshmi
24.	21351A0424	G. HEMALATHA	G. Hemalatha
25.	21351A0425	T. JASMIN	T. Jasmin
26.	21351A0426	G. JAYAKISHOR	G. Jayakishor
27.	21351A0427	D. JEEVITHA	D. Jeevitha
28.	21351A0428	M. JHANSI	M. Jhansi
29.	21351A0429	K. JOHNVESLY	K. Johnvesly

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College Code : 35

30.	21351A0430	M. JYOSHNA	M. Jyoshaa
31.	21351A0431	L. KALPANA	L. Kalpana
32.	21351A0432	A. KALYANI	A. KALYANI
33.	21351A0433	B. KALYANI	B. Kalyani
34.	21351A0434	K. KEERTHAN KUMAR	K. Keerthan Kumar
35.	21351A0435	B. KEERTHI	B. Keerthi
36.	21351A0436	CH. KEERTHI	CH. Keerthi
37.	21351A0437	R. LAKSHMI BAI	R. Lakshmi Bai
38.	21351A0438	A. LAKSHMI NARASIMHA	A. Lakshmi narasimha
39.	21351A0439	M. LAVANYA	M. Lavanya
40.	21351A0440	M. MAHALAKSHMI	M. Mahalakshmi
41.	21351A0441	D.M. MALLISWARI	D.M. Malliswari
42.	21351A0442	CH. MANASA	Ch. Manasa
43.	21351A0443	K. MARY	K. Mary
44.	21351A0444	A.R. MOUNIKA	A.R. Mounika
45.	21351A0445	A. NAGARJUNA	A. Nagarjuna
46.	21351A0446	V. NAGESH	V. Nagesh
47.	21351A0447	P. NANDINI	P. Nandini
48.	21351A0448	P. NARAMMA	P. Naramma
49.	21351A0449	K. NARENDRA	K. Narendra
50.	21351A0450	P. NARENDRA REDDY	P. Narendra Reddy
51.	21351A0451	M. NARESH	M. Nareesh
52.	21351A0452	D. NITHIN	D. Nithin
53.	21351A0453	M. PAVITHRA	M. Pavithra
54.	21351A0454	P. PRATHYUSHA	P. Prathyusha
55.	21351A0455	Y. PRAVEEN	Y. Praveen
56.	21351A0456	S. PRAVEEN KUMAR	S. Praveen Kumar
57.	21351A0457	B. PREMCHAND	B. Premchand
58.	21351A0458	M. PULLAIAH	M. Pullaiah
59.	21351A0459	M. RAHUL	M. Rahul
60.	21351A0460	C. RAJABABESWARACHARI	C. Raja Babeswarachari

Program Coordinator

HOD OF EGT
Head of the Dept.
Dept. of
Dr. Samuel George Institute of
Engineering & Technology
Prakasam (Dist), A.P.

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College Code : 35

61	21351A0461	CH. RAMALAKSHMI	CH. Ramalakshmi
62	21351A0462	K. RAMESH	K. Ramesh.
63	21351A0463	L. RAVINDRA KUMAR	L. Ravindra Kumar
64	21351A0464	G. REKHA	G. Rekha
65	21351A0465	E. SAI PAVAN KUMAR	E. Sai pavan kumar
66	21351A0466	A. SANTHOSH KUMAR	A. SANTHOSH KUMAR
67	21351A0467	B. SHOBHA	B. Shobha
68	21351A0468	H. SIREESHA	H. Sireesha
69	21351A0469	G. SIVA	G. Shiva
70	21351A0470	G. SIVA GOVINDU	G. Siva Govindu
71	21351A0471	R. SIVA KASAI AH	R. Siva Kasai ah.
72	21351A0472	B. SRI LAKSHMI	B. Sri Lakshmi
73	21351A0473	E. SUCHITHRA	E. Suchithra
74	21351A0474	A. SUVARNA	A. suvarna
75	21351A0475	V. SWAPNA	V. Swapna.
76	21351A0476	S. SWAROOPA	S. Swaroopa
77	21351A0477	M. SWATHI	M. Swathi
78	21351A0478	B. SWETHA	B. Swetha
79	21351A0479	CH. TARUN	CH. Tarun .
80	21351A0480	M. VAMSI	M. Vamsi
81	21351A0481	M. VANAJAKSHI	M. Vanajakshmi
82	21351A0482	G. VENKATA LOKESH KUMAR	G. Venkata Lokesh kumar
83	21351A0483	K. VENKATA SIVA KRISHNA	K. Venkata Siva Krishna
84	21351A0484	K. VENKAT REDDY	K. Venkat reddy.
85	21351A0485	G. VINAY KUMAR	G. Vinay kumar.
86	21351A0486	Y. VITAL	Y. Vital.
87	21351A0487	C. YEJRA	C. yejra -
88	21351A0488	M.D. OBULESH	M.D. Obulesh
89	21351A0489	G. RAKESH	G. Rakesh
90	22351A0401	O ANANAD BABU	O. Anand Babu
91	22351A0402	V SUJATHA	V. Sujatha .
92	22351A0403	V USHA RANI	V usha Rani

Program Coordinator

HOD of ECE
Head of the Department
Dept. of ECE

SGIT, B.O. - 523 320, George Town, Darimadugu (Vi), Markapur (M), Prakasam (Dist) A.P.

Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523316, Prakasam(Di)

Dr. Samuel George Institute of Engineering & Technology



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drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Program
on PCB designing and Its
Applications
Schedule of program : 16-04-2023 TO 28-04-2023
Venue : Seminar Hall
Organized by : Dept of ECE
Faculty : Mr. Y V A Satyanarayana
Designation : Associate Professor
Number of Participants : 92

Objectives of this Course are:

This is a basic course for designing of PCB using software. PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade...

Topics Covered:

1. Introduction to PCB designing concepts
2. Component introduction and their categories
3. Introduction to Development Tools
4. Detailed description and practical of PCB designing
5. Lab practice and designing concepts.
6. Soldering and testing
7. Circuit printing, chemical etching

Outcomes of the Course:

The students will be able to

1. Understand a single layer and multilayer PCB
2. Create and fabricate a PCB
3. Evaluate and test a PCB
4. Make a Industrial projects with PCB

Program Coordinator

HOD OF ECE

Head of the Dept.

SGIT B.O - 523 320, George Town, Darimadugu (Vi), Markapur (M), Prakasam (Dist), A.P.

Dept. of ECE
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam(Dist)

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College Code : 35

CIRCULAR

DATE: 13-03-2023

All the students of III B Tech II SEM ECE are hereby informed to attend the A two week Certificate Program on "CHIP DESIGN AND ITS USES" and the Programming scheduled from **15-03-2023 TO 27-03-2023 and is delivered** by Mr. P KHADAR KHAN. He will deliver the valuable information on ~~topic~~ the program. All the students must participate and make your career enlighten.


Program Coordinator


HOD OF ECE
Head of the Department
Dept. of E C E
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MARKAPUR-523 316, Prakasam(Dt.)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of ICCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of Discipline, Hard Work and Value of Time” and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

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The UG-ECE intake is 120 and PG-DECE intake is 36. The Department of ECE established state-of-the-art labs viz.,

Electronic Devices and Circuits, Pulse and Digital Circuits, Analog and Digital Communications, Microprocessors and Controllers, Microwave Engineering, VLSI and Digital Signal Processing etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like MATLAB, CCStudio, Multisim, XILLINX, Mentor Graphics, etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. Eswara Rao
Principal

PATRON

Prof. Ch. Raja Babu
Vice Principal

CONVENOR

Y.V. Adi Satyanarayana
Head of the Department
**Electronics & Communications
Engineering**

VENUE

Offline Platform.



Dr.SGIT



A Two week Certificate Programme On

“CHIP DESIGN AND ITS USES”
15-03-2023 TO 27-03-2023

CO-ORDINATOR
Mr.P. Khadar Khan

Department of
**Electronics & Communications
Engineering**

ORGANIZED BY

Department of
**Electronics & Communications
Engineering**

**Dr.Samuel George Institute of
Engineering & Technology,**
Affiliated to JNTUK,
Markapur – 523 320.

PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist

TARGET AREAS

- To understand the concepts of System on Chip
- Design Methodology for Logic and Analog Cores.
- To understand the concepts of System on Chip
- Chip Design Validation.
- To understand the concepts of SOC Testing.
- Upon successful completion of this course student should be able to:
- Understand about SoC Design Methodology.

REGISTRATION DETAILS


- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the III B Tech ECE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "CHIP DESIGN AND ITS USES"

15-03-2023 TO 27-03-2023

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:
(G-Mail Preferably)


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the a two week certificate program on **CHIP DESIGN AND ITS USES** at Dept of Electronics and communication Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:
Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:
Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate program on **CHIP DESIGN AND ITS USES**"
Dept of Electronics and communication Engineering,
Dr Samuel George Institute Of Engineering and Technology
Mail ID: khadarkhan453@gmail.com
Phone. No: 8142089453

Dr. Samuel George Institute of Engineering & Technology

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An ISO 9000 : 2001 Certified Institution



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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Program on “CHIP DESIGN AND ITS USES”


Year: III

Faculty Name: Mr. P KHADAR KHAN

Academic Year: 2022-2023

15-03-2023	Introduction- System tradeoffs and evolution of ASIC Technology
16-03-2023	System on chip concepts and methodology – SoC design issues -SoC challenges and components.
17-03-2023	Design Methodological For Logic Cores- SoC Design Flow – On-chip buses
18-03-2023	Design process for hard cores Soft and firm cores – Core and SoC design examples
19-03-2023	Design Methodology for Memory and Analog Cores- Embedded memories
20-03-2023	Simulation modes Specification of analog circuits – A to D converter –Phase locked loops –High I/O.
21-03-2023	Design Validation- Core level validation –Test benches –SoC design validation
22-03-2023	Co simulation – hardware/ Software co-verification.
23-03-2023	Case Study: Validation and test of systems on chip
24-03-2023	SoC Testing- SoC Test Issues –Cores with boundary scan
25-03-2023	Testing of microprocessor cores – Built in self-method.
26-03-2023	Testing of embedded memories.
26-03-2023	Test methodology for design reuse


Program Coordinator


HOD OF ECE
Head of the Department
Dept. of E C E
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam(Dt.)

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drsgit_35@yahoo.co.in

College Code : 35

Department: ECE

Academic Year: 2022-2023

Name of the Program: A two week Certificate Program on "CHIP DESIGN AND ITS USES"

List of students Enrolled/Completed: 34

YEAR : III B.TECH

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	20351A0401	K. ANUSHA	K. Anusha
2	20351A0402	K. ASWINI	K. Aswini
3	20351A0403	M. BHASKAR	M. Bha
4	20351A0405	D. DINESH	D. Dinesh
5	20351A0406	M. GNANESH KUMAR	M. Gnanesh
6	20351A0407	G. GURAI AH	G. Gurai Ah
7	20351A0408	Y. HEMALATHA	Y. Hemalatha
8	20351A0409	A. HEM KUMAR	A. Hemank
9	20351A0410	P. JAGADEESH	P. Jagadeesh
10	20351A0411	M. JAYALAKSHMI	M. Jayalakshmi
11	20351A0412	Y. KIRAN	Y. Kiran
12	20351A0413	M. LAKSHMANA SWAMY	M. Lakshmana
13	20351A0415	K. NAGA MOUNIKA	K. Naga
14	20351A0416	D. NAGANJANEYULU	D. Naganjaneyulu
15	20351A0417	P. NAGARAJU	P. Nagaraju
16	20351A0418	C. PADMAVATHI	C. Padmavathi
17	20351A0419	D. PRASANNA LAKSHMI	D. Prasanna
18	20351A0420	K. PREETHI	K. Preethi
19	20351A0421	K. RAJESWARI	K. Rajeswari
20	20351A0422	D. RAMA KRISHNA	D. Rama Krishna
21	20351A0423	C. RAVANAMMA	C. Ravanamma
22	20351A0424	SK. SALMAN BASHA	SK. Salman
23	20351A0425	K. SAMEERA	K. Sameera
24	20351A0426	SK. SHAHEENA	SK. Shaheena
25	20351A0427	N. SUMITHRA	N. Sumithra
26	20351A0428	G. SUNIL	G. Sunil
27	20351A0429	G. SWATHI	G. Swathi
28	20351A0430	B. SWETHA	B. Swetha
29	20351A0431	M. VARDHAN	M. Vardhan
30	20351A0432	B. VIJAY KUMAR	B. Vijay
31	21355A0401	U. GAJENDRA	U. Gajendra
32	21355A0402	SK. NEELOUFAR	SK. Neeloufar
33	21355A0403	D. SIVA MARUTHI REDDY	D. SMR
34	21355A0404	T. SWATHI	T. Swathi

Program Coordinator

HOD OFFICE
Head of the Department
Dept of ECE
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam (Dist), A.P.

Dr. Samuel George Institute of Engineering & Technology

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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Program on “CHIP DESIGN AND ITS USES”
Schedule of program : 15-03-2023 TO 27-03-2023
Venue : Seminar Hall
Organized by : Dept of ECE
Faculty : Mr. P KHADAR KHAN
Designation : Associate Professor
Number of Participants : 34

Objectives of this Course are:


The student will be able to

- To understand the concepts of System on Chip Design methodology for Logic and Analog Cores.
- To understand the concepts of System on Chip Design Validation.
- To understand the concepts of SOC Testing.

Outcomes of the Course:

- Upon successful completion of this course student should be able to: understand about SoC Design Methodology.
- Ability to understand the design of different embedded memories.
- Validation and Testing Concepts can be understood.
- Investigate new techniques for future systems.


Program Coordinator


HOD OF ECE
Head of the Department
Dept. of E C E
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam(DC)

Dr. Samuel George Institute of Engineering & Technology



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drsgit_35@yahoo.co.in

College Code : 35

CIRCULAR

DATE: 18-02-2023

All the students of **IV B Tech II SEM ECE** are hereby informed to attend the A two week Certificate Program on **DIGITAL IMAGE PROCESSING** and the Programming scheduled from **22-02-2023 TO 04-03-2023** and is delivered by **Dr. P Sreenivasulu**. He will deliver the valuable information on respective program. All the students must participate and make your career enlighten.

Program Coordinator

HOD OF ECE
Head of the Department
Dept. of E C E
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam(Dist)

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of ICCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of Discipline, Hard Work and Value of Time” and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also have 100 Mbps Internet (Airtel) leased line. The institute has well ratified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state of art equipment. It has monumental blocks – Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswaraya, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG programs Electronics & Communications Engineering and Digital Electronics and Communications Engineering.

The UG-ECE intake is 120 and PG-DECE intake is 36. The Department of ECE established state-of-the-art labs viz.,

Electronic Devices and Circuits, Pulse and Digital Circuits, Analog and Digital Communications, Microprocessors and Controllers, Microwave Engineering, VLSI and Digital Signal Processing etc. to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's like MATLAB, CCStudio, Multisim, XILLINX, Mentor Graphics, etc..

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. Eswara Rao
Principal

PATRON

Prof. Ch. Raja Babu
Vice Principal

CONVENOR

Y.V. Adi Satyanarayana
Head of the Department
**Electronics & Communications
Engineering**

VENUE

Offline Platform.

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OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.



Dr.SGIT



A Two week Certificate Programme On

“DIGITAL IMAGE PROCESSING”

22-02-2023 TO 04-03-2023

CO-ORDINATOR

Dr.P. Sreenivasulu

Department of
**Electronics & Communications
Engineering**

ORGANIZED BY

Department of
**Electronics & Communications
Engineering**

**Dr.Samuel George Institute of
Engineering & Technology,**
Affiliated to JNTUK,
Markapur – 523 320.

TARGET AREAS

- Enhanced Image Quality – One of the primary advantages of digital image processing is the ability to enhance the quality of images
- Improved Medical Diagnosis – Digital image processing is also used in the field of medicine to improve the accuracy of diagnosis
- Image Retouching
- Image Masking
- Color Correction
- Hair Masking

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the IV B Tech ECE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme On "DIGITAL IMAGE PROCESSING"

22-02-2023 TO 04-03-2023

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:

- Email ID:
(G-Mail Preferably)

WOW
PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the a two week certificate program on Embedded System in Automobile Engineering at Dept of Electronics and communication Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:
Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:
Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

"A two week certificate program on DIGITAL IMAGE PROCESSING"
Dept of Electronics and communication Engineering,
Dr Samuel George Institute Of Engineering and Technology
Mail ID: psrinivas.vlsi@gmail.com
Phone. No: 9676136356



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Mobile : 9618257287, 9849332122
Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

SCHEDULE

Title of the Certification: A two week Certificate Program on **DIGITAL IMAGE PROCESSING**


Year: IV

Faculty Name: Dr. P. Sreenivasulu

Academic Year: 2022-2023

22-02-2023	Introduction to DIGITAL IMAGE PROCESSING
23-02-2023	Preprocessing
24-02-2023	Image Enhancement
25-02-2023	Image Transformation.
26-02-2023	Image Classification and Analysis.
27-02-2023	Low-level, intermediate-level and high-level processing.
28-02-2023	Raster images. Vector images.
01-03-2023	(i) Acquisition, (ii) storage, (iii) processing, (iv) communication and (v) display.
02-03-2023	8-bit color graphics
03-03-2023	Mini projects
04-03-2023	Mini projects

Program Coordinator


HOD of ECE
Dept. of E C E
Dr. Samuel George Institute of
Engineering & Technology
MARKAPUR-523 316, Prakasam(Dt)

Dr. Samuel George Institute of Engineering & Technology

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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Department: ECE

Academic Year: 2022-2023

Name of the Program: A two week Certificate Program on DIGITAL IMAGE PROCESSING

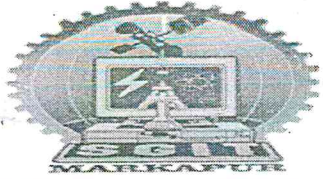
List of students Enrolled/Completed: 93

YEAR : IV B.TECH

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	19351A0401	D. AJAY KUMAR	D. Ajay Kumar
2	19351A0402	M. ASHOK KUMAR	M. Ashok Kumar
3	19351A0403	A. ATCHUTH	A. Atchuth
4	19351A0404	P. ATHREYA REDDY	P. Athreya
5	19351A0405	D. BHAVYA	D. Bhavya
6	19351A0406	B. CHINNA VASTRAM NAIK	B. Chinna Vastram Naik
7	19351A0407	D. DASTAGIRI BABU	D. Dastagiri Babu
8	19351A0408	V. DEDEEPYA	V. Deedepya
9	19351A0409	G. DEVAKUMARI	G. Deva Kumari
10	19351A0410	R. GAYATHRI	R. Gayathri
11	19351A0412	D. GOPI	D. Gopi
12	19351A0413	SK. GOUSE BASHA	SK. Gouse Basha
13	19351A0415	SK. HAZLIYANA	SK. Hazliyana
14	19351A0417	B. JHANSI	B. Jhansi
15	19351A0418	K. KALYAN	K. Kalyan
16	19351A0419	M. KONDAIAH	M. Kondiah
17	19351A0421	A. LAKSHMI NARASIMHA NAIDU	A. Lakshmi Narasimha Naidu
18	19351A0422	D. LAKSHMI NARAYANA	D. Lakshmi Narayana
19	19351A0423	P. LAKSHMI PRASAD	P. Lakshmi Prasad
20	19351A0424	B. LALITH KUMAR	B. Lalitha Kumar
21	19351A0425	Y. LEENA	Y. Leena
22	19351A0426	SK. MAHABOUB BASHA	SK. Mahaboub Basha
23	19351A0427	SK. MAHAMMAD ALTHAF	SK. Althaf
24	19351A0428	A. MAHESH	A. Mahesh
25	19351A0429	H. MAHESWARI	H. Maheswari
26	19351A0430	SK. MALIK BASHA	SK. Malik Basha
27	19351A0431	K. MANJULA	K. Manjula
28	19351A0432	K. MARIYAMMA	K. Mariyamma
29	19351A0433	B. MARY VARJEENIYA	B. Mary Varjeeniya
30	19351A0434	K. NAGARJUNA	K. Nagarajuna
31	19351A0435	J. NARASIMHA REDDY	J. Narasimha Reddy
32	19351A0436	P.H. NARESH	P.H. Nareesh
33	19351A0437	B. NAVEEN	B. Naveen
34	19351A0438	B. NIRMALA	B. Nirmala
35	19351A0439	D. PAVAN KUMAR REDDY	D. Pavan Kumar Reddy
36	19351A0441	S. PRADEEP	S. Pradeep
37	19351A0442	P. PREM KUMAR	P. Prem Kumar
38	19351A0443	J. PRIYANKA	J. Priyanka
39	19351A0444	M. RADHIKA	M. Radhika
40	19351A0445	P. RAJA KUMAR	P. Raja Kumar
41	19351A0446	G. RAJA REDDY	G. Raja Reddy
42	19351A0447	A. RAJASEKHAR REDDY	A. Rajasekhar Reddy
43	19351A0448	P. RAJESWARI	P. Rajeswari
44	19351A0449	G. RAJYA LAKSHMI	G. Rajya Lakshmi
45	19351A0450	P. RAMESH	P. Ramesh

Dr. Samuel George Institute of Engineering & Technology

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Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

S.No.	ROLL No.	NAME OF THE STUDENT	SIGNATURES
46	19351A0451	D. RASOOL BASHA	D. Rasool
47	19351A0452	SK. RAWOOF	SK. Rawoof
48	19351A0453	CH. SAILAJA	Ch. Sailaja
49	19351A0455	D. SAINADH REDDY	D. Sainadh Reddy
50	19351A0456	E. SAISA	E. Saisa
51	19351A0457	SK. SARFARAJ	E. Saisa
52	19351A0458	P. SASIDHAR REDDY	P. Sasidhar Reddy
53	19351A0459	K. SATHISH KUMAR REDDY	K. Sathish
54	19351A0460	SK. SHAHID BASHA	SK. Bhasha
55	19351A0461	P. SHYAM	P. Shyam
56	19351A0462	G. SIVA RAJU	G. Siva Raju
57	19351A0463	M. SPANDANA	M. Spandana
58	19351A0464	Rajarapu. SRAVANI	R. Sravani
59	19351A0465	Repalle. SRAVANI	R. Sravani
60	19351A0466	D. SREEHARI	D. Sreehari
61	19351A0467	E. SRIKANTH	D. Sreehari
62	19351A0469	M. SRINIVASULU	M. Srinivasulu
63	19351A0470	S. SUMANTH	S. Sumanth
64	19351A0471	M. SUNIL KUMAR	M. Sunilk
65	19351A0472	P. SUREKHA	P. Surekha
66	19351A0473	P. SURYAPRAKASH REDDY	P. S. Prasad Reddy
67	19351A0474	M. SWETHA	M. Swetha
68	19351A0475	M. SYAMALA	M. Syamala
69	19351A0476	K. TEJASWI	K. Tejaswi
70	19351A0477	B. UDAY KUMAR	B. Uday Kumar
71	19351A0478	G. UMA	G. Uma
72	19351A0480	I. USHASRI	I. Ushasri
73	19351A0481	M. VENKATA KRISHNA RAO	M. Venk
74	19351A0482	S. VENKATA LAKSHMI	S. Venkata Lakshmi
75	19351A0483	P. VENKATA LAKSHMI SOWMIKA	P. Venkata Lakshmi Sowmiika
76	19351A0484	M. VENKATA NAGA LAKSHMI	HOD S. S. S. S. M. Venkata Naga Lakshmi
77	19351A0485	K. VENKATA NAGA RAJU	K. Venkata Naga Raju
78	19351A0486	K. VENKATA NAGA SAI KUMAR	K. Kumar
79	19351A0487	D. VENKATA PRATHAP	D. Venkata Prathap
80	19351A0488	T. VENKATA SAI	T. Venkata Sai
81	19351A0489	K. VIJAY KUMAR	K. Vijay Kumar
82	20355A0401	K. BHASKAR	K. Bhaskar
83	20355A0402	G. PANDU RANGA SWAMI	G. Pandu
84	20355A0403	P. VAMSI	P. Vamsi

705 -

Head of the Department
Dr. Samuel George Institute of
Engineering & Technology
APUR-523 315, Prakasam(Dt)



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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

PROGRAM REPORT

Name of the Program : A two week Certificate Program on
DIGITAL IMAGE PROCESSING

Schedule of program : **22-02-2023 TO 04-03-2023**

Venue : Seminar Hall

Organized by : Dept of ECE

Faculty : Dr. P Sreenivasulu

Designation : Professor

Number of Participants : 84

Objectives of this Course are:

The objective of the course is to provide understanding of the techniques essential to the design and implementation of embedded systems using suitable hardware and software tools for Automotive Application. This course offers a range of topics of immediate relevance to industry and makes the participants exactly suitable for Automotive Industry.

Topics Covered:

1. Introduction to DIGITAL IMAGE PROCESSING
2. Preprocessing
3. Image Enhancement
4. Image Transformation.
5. Image Classification and Analysis.
6. Low-level, intermediate-level and high-level processing.
7. Raster images. Vector images.
8. (i) Acquisition, (ii) storage, (iii) processing, (iv) communication and (v) display.
9. 8-bit color graphics

Outcomes of the Course:

1. Proficiency required to design any embedded system (H/w or S/w or both) based on different families and architectures of Embedded System tools such as Microcontrollers, ARM Processors for Automotive Application.
2. Get strong familiarity with Serial & Automotive Protocols and its debugging skill.
3. Identify the problems in vehicle by reading DTC using OBD Tools & Equipment and take corrective action

Program Coordinator

HOD OF ECE

Head of the Department
Dept. of ECE

SGIT, B.O. - 523 320, George Town, Darimadugu (Vi), Markapur (M), Prakasam (Dist), A.P.

Dr. P. Sreenivasulu
Engineering & Technology
MARKAPUR-523 316, Prakasam (Dist), A.P.

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Fax : +918596-223127

Website : www.drsgiet.ac.in
e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

CIRCULAR

DATE: 13-08-2022

All the students of II – B.Tech I – Semester CSE are hereby informed to attend the **A TWO WEEK CERTIFICATE PROGRAMME ON PYTHON PROGRAMMING** and the programme Scheduled from **22-08-2022** to **03 -09-2022** and is delivered by **Mr.D.KUMAR**. He will deliver the valuable information on the respective programme. All the students must participate and make your career enlighten.


PROGRAMME COORDINATOR


HOD-CSE
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIET, Markapur, Prakasam(Dt), A.P.

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

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Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswarayya, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG programs Computer Science and Engineering.

The UG-CSE intake is 120 and PG-CSE intake is 36. The Department of CSE established state-of-the-art labs viz., PPSUC lab, Python Programming lab, C++ Lab, DBMS lab, Java programming lab, Data Structures lab, Compiler Design Lab, UML Lab, Artificial Intelligence lab.

and to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's.

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. ESWARA RAO

Principal

PATRON

Dr. CH. RAJA BABU

Vice Principal

CONVENOR

Dr. P.P.S. Naik

Head of the Department

Computer Science and Engineering

VENUE

Offline Platform.


PRINCIPAL

Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.



Dr. SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

PYTHON PROGRAMMING

22-08-2022 TO 03-09-2022

CO-ORDINATOR

D. KUMAR

Department of
Computer Science and
Engineering

ORGANIZED BY

Department of
Computer Science and
Engineering

Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK, KAKINADA

Markapur – 523 320.

TARGET AREAS

- Develop essential programming skills in computer programming concepts like data types, containers
- Apply the basics of programming in the Python language
- Solve coding tasks related conditional execution, loops Solve coding tasks related to the fundamental notions and techniques used in object-oriented programming

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the II B Tech CSE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme

On

Python Programming

22-08-2022 TO 03 -09-2022

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:

(G-Mail Preferably)



PRINCIPAL

Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the two week certificate programme on **Python Programming** at Dept of Computer Science and Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of in ability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

A Two week certificate programme on "**Python Programming**"

Dept of Computer Science and Engineering.,

DR SAMUEL GEORGE INSTITUTE OF
ENGINEERING AND TECHNOLOGY

MAIL ID: kumar.mtech1@gmail.com

PHONE: 970480909

Dr. Samuel George Institute of Engineering & Technology

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drsgit_35@yahoo.co.in

College Code : 35

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON PYTHON PROGRAMMING.

Faculty Name: Mr.D.KUMAR

Year: II-B.Tech

Academic Year: 2022-2023

Day	Topic Covered
Day 1	Introduction: Introduction to Python, Program Development Cycle, Input, Processing, and Output, Displaying Output with the Print Function, Comments, Variables, Reading Input from the Keyboard, Performing Calculations, Operators. Type conversions, Expressions, More about Data Output.
Day 2	Data Types, and Expression: Strings Assignment, and Comment, Numeric Data Types and Character Sets, Using functions and Modules.
Day 3	Decision Structures and Boolean Logic: if, if-else, if-elif-else Statements, Nested Decision Structures, Comparing Strings, Logical Operators, Boolean Variables.
Day 4	Repetition Structures: Introduction, while loop, for loop, Calculating a Running Total, Input Validation Loops, Nested Loops.
Day 5	Control Statement: Definite iteration for Loop Formatting Text for output, Selection if and if else Statement Conditional Iteration The While Loop Strings and Text Files: Accessing Character and Substring in Strings, Data Encryption, Strings and Number Systems, String Methods Text Files.
Day 6	List and Dictionaries: Lists, Defining Simple Functions, Dictionaries Design with Function: Functions as Abstraction Mechanisms, Problem Solving with Top Down Design, Design with Recursive Functions,
Day 7	Case Study Gathering Information from a File System, Managing a Program's Namespace, Higher Order Function. Modules: Modules, Standard Modules, Packages.
Day 8	File Operations: Reading config files in python, Writing log files in python, Understanding read functions, read(), readline() and readlines(), Understanding write functions, write() and writelines(), Manipulating file pointer using seek, Programming using file operations
Day 9	Object Oriented Programming: Concept of class, object and instances, Constructor, class attributes and destructors, Real time use of class in live projects, Inheritance , overlapping and overloading operators, Adding and retrieving dynamic attributes of classes, Programming using Oops support
Day 10	Design with Classes: Objects and Classes, Data modeling Examples, Case Study An ATM, Structuring Classes with Inheritance and Polymorphism
Day 11	Errors and Exceptions: Syntax Errors, Exceptions, Handling Exceptions, Raising Exceptions, User-defined Exceptions, Defining Clean-up Actions, Redefined Clean-up Actions.
Day 12	Graphical User Interfaces: The Behavior of Terminal Based Programs and GUI -Based, Programs, Coding Simple GUI-Based Programs, Other Useful GUI Resources. Programming: Introduction to Programming Concepts with Scratch


PROGRAMME COORDINATOR


HOD-CSE

HEAD OF THE DEPARTMENT
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College Code : 35

Department of Computer Science and Engineering

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON PYTHON PROGRAMMING

List of Students Enrolled/Completed: 104

Year: II-B.Tech

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	SIGNATURE
1	21351A0501	Y. ADARSH	y. Adarsh
2	21351A0502	K. ADITHI	k. Adithi
3	21351A0503	P. AGNES	P. Agnes
4	21351A0504	B. AKASH	B. Akash
5	21351A0506	M. ANKITHA	M. Ankitha
6	21351A0507	R. ANUSHA	R. Anusha
7	21351A0508	K. ARJUN SINGH	K. Arjun Kumar
8	21351A0509	B. ARUN KUMAR	B. Arun Kumar
9	21351A0510	N. ARUN KUMAR	N. Arun Kumar
10	21351A0511	P. ARUN KUMAR	P. Arun Kumar
11	21351A0512	A. ASHA PAVANI	S. Ashok
12	21351A0513	S. ASHOK	S. Ashok
13	21351A0514	C. BHUVANESWARI	C. Bhuvaneshwari
14	21351A0515	B. DEEPTHI	B. Deepthi
15	21351A0516	J. DHATRI	J. Dhatri
16	21351A0517	K. DINAKAR BABU	K. Dinakar Babu
17	21351A0518	V. DIVYA	V. Divya
18	21351A0519	E. ELISA	E. Elisha
19	21351A0520	M. GOWRISANKAR	M. Gowrisankar
20	21351A0521	M. GRAHIKA	M. grahika
21	21351A0522	SK. HADIYA MANSOOR	Sk. Hadiya Mansoor
22	21351A0523	R. RANGA SWAMI REDDY	R. Ranga Swami Reddy
23	21351A0524	M. INDU	M. Indu
24	21351A0525	M. ISHWARYA	M. Ishwarya
25	21351A0526	CH. JAGADEESH	Ch. Jagadeesh
26	21351A0527	K. JHANSI RANI	K. Jhansi Rani
27	21351A0528	G. JOSHNA	G. Joshna
28	21351A0529	P. KATAM RAJU	P. Katam Raju
29	21351A0530	K. KAVYA	M. kavya
30	21351A0531	M. KESAVA	M. Kesava
31	21351A0532	Y. KEZIYA	Y. Keziya
32	21351A0533	Y. MAHESH	Y. Mahesh
33	21351A0534	S. MALLESWAR REDDY	S. Malleswar Reddy

34	21351A0535	D. MANEESHA	D. Maneesha
35	21351A0536	B. MANOHAR	B. Manohar
36	21351A0537	P. MOHAN	P. Mohan
37	21351A0538	D. MOUNIKA	D. mounika.
38	21351A0539	K. MOUNIKA	k. mouni ka.
39	21351A0540	G. NAGA DEVI TANUJA	G. Nagadevi tanuja
40	21351A0541	T. NAGARAJU	T. Nagaraju
41	21351A0542	V. NAGESWARI	v. Nageswari
42	21351A0543	M. NAGULU	M. Nagulu
43	21351A0544	K. NANDINI	k. Nandini
44	21351A0545	KOSIKA NANDINI	Kosika Nandini
45	21351A0546	M. NANDINI	M. Nandini
46	21351A0547	K. NAVYA SREE	k. Navya sree
47	21351A0548	V. NISHI ROJA RANI	v. Nishi Roja Rani
48	21351A0549	Y. NITHIN	Y. Nithin
49	21351A0551	S. OBULESU	S. Obulesh.
50	21351A0552	T. PALLAVI	T. Pallavi
51	21351A0553	K. PAVANI	k. Pavani
52	21351A0554	M. PAVANKUMAR	M. Pavankumar
53	21351A0555	J. PAVAN SAGAR	j. Pavan sagar.
54	21351A0556	K. PEDDAKKA	k. Peddokka
55	21351A0557	S. PRAVALLIKA	s. Pravallika.
56	21351A0558	P. PRAVEEN KUMAR	P. Praveen kumar
57	21351A0559	B. RAHUL	B. Rahul
58	21351A0560	K. RAJA PRASAD	k. Raja Prasad
59	21351A0561	U. RAMESH	U. Ramesh.
60	21351A0562	K. ROSI	k. Rosi
61	21351A0563	N. SAGAR BABU	N. Sagar Babu
62	21351A0565	P. SAI TEJA	P. Sai Teja.
63	21351A0566	K. SANGITHA	k. Sangitha
64	21351A0567	M. SASIREKHA	M. Sasirekha
65	21351A0568	M. SSHA BHARATHI	M. Ssha bharithi
66	21351A0569	B. SIRESHA	B. siresha
67	21351A0570	M. SNEHA	M. sneha.
68	21351A0571	S. SONI BAI	S. Sonibai
69	21351A0572	B. SREEDHAR SINGH	B. Sreedhar Singh
70	21351A0573	U. SREEKANTH	U. Sree kanth.
71	21351A0574	CH. SREENU	Ch. sreenu
72	21351A0575	R. SREE VALLIKA	R. Sree Vallika
73	21351A0576	D. SRINIVASA REDDY	D. Srinivasa Reddy.
74	21351A0577	K. SUDEEP KUMAR	k. Sudeep kumar
75	21351A0578	G. SUGUNAVARMA	G. Sugunavarma
76	21351A0579	CH. SUKHI	Ch. Sukhi
77	21351A0580	G. SURENDRA	Ch. Sukhi
78	21351A0581	M. SRAVANTHI	M. Sravanthi
79	21351A0582	P. SURESH	P. Suresh
80	21351A0583	R. SUSHMA	R. sushma

81	21351A0584	M. SUSRUTH	M. Susruth
82	21351A0585	S. SWARNA LATHA	S. Swarna latha
83	21351A0586	S. SWATHI	S. Swathi
84	21351A0587	M. TABITHA	M. Tabitha
85	21351A0588	CH. TEJA	CH. Teja
86	21351A0589	K. D P THEJASWINI	K. DP Thejaswini
87	21351A0590	M. THRIVENI	M. Thriveni
88	21351A0591	D. KOTESWARA RAO	D. Koteswararao
89	21351A0592	A. USHA RANI	A. Usha rani
90	21351A0593	T. USHA RANI	T. Usha rani
91	21351A0594	G. VAMSI	G. Vamsi
92	21351A0596	B. VANITHA	B. vanitha
93	21351A0597	G. VARALAKSHMI	G. Varalakshmi
94	21351A0598	R. VARALU	R. Varalu
95	21351A0599	G. VENKATA KALYANI	G. Venkatakalyani
96	21351A05A0	P. V SATHISH KUMAR YADAV	P.V. Sathish Kumar yadav.
97	21351A05A1	M. VENNELA	M. vennela
98	21351A05A2	V. VIJAYA KRISHNA	V. Vijaya krishna.
99	21351A05A3	T. VINNU	T. vinnu
100	21351A05A4	K. YACOB RAJU	K. yacob raju
101	21351A05A5	G. YOSWITHA	G. yoswitha.
102	22355A0501	P. MALIK BASHA	P. Malik basha
103	22355A0502	K. PRAVEEN KUMAR	K. praveen kumar
104	22355A0503	S. VENKATESH	S. venkatesh.


PROGRAMME COORDINATOR


HOD-CSE

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIET, Markapur, Prakasam(Dt), A.P.

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College Code : 35

Programme Report

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON PYTHON PROGRAMMING

Duration: 22-08-2022 TO 03-09-2022

Resource Person details: Mr. D. Kumar, Assoc. Professor, SGIT, Markapur.

Number of Students attended: 104

Dr. Samuel George Institute of Engineering And Technology organized "A TWO WEEK CERTIFICATE PROGRAMME ON PYTHON PROGRAMMING" for II Year B.Tech students by the resource person Mr. D.KUMAR from 22-08-2022 TO 03-09-2022. This training was conducted to train students for upcoming campus recruitment drives. All the students participated energetically and they were able to know the following objectives and learning outcomes.

Program Objectives:

- ❖ To learn about Python programming language syntax, semantics, and the runtime environment
- ❖ To be familiarized with universal computer programming concepts like data types, containers
- ❖ To be familiarized with general computer programming concepts like conditional execution, loops & functions
- ❖ To be familiarized with general coding techniques and object-oriented programming

Program Outcomes:

- Develop essential programming skills in computer programming concepts like data types, containers
- Apply the basics of programming in the Python language
- Solve coding tasks related conditional execution, loops
- Solve coding tasks related to the fundamental notions and techniques used in object-oriented programming

PROGRAMME COORDINATOR

HOD-CSE

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGJET, Markapur, Prakasam(Dt), A.P.

Dr. Samuel George Institute of Engineering & Technology



MARKAPUR - 523 316, Prakasam (Dt.), A.P.
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Website : www.drsgiet.ac.in
e-mail : drsgit_35@yahoo.co.in
College Code : 35

CIRCULAR

DATE: 20-03-2023

All the students of III – B.Tech II – Semester CSE are here by informed to attend the **A TWO WEEK CERTIFICATE PROGRAMME ON BIG DATA WITH HADOOP TECHNOLOGY** and the programming Scheduled from **27-03-2023** to **09-04-2023** and is delivered by **Dr.PPSNAIK**. He will deliver the valuable information on the respective programme. All the students must participate and make your career enlighten.


PROGRAMME COORDINATOR


HOD-CSE

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIET, Markapur, Prakasam(Dt), A.P.

ABOUT THE COLLEGE

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Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswarayya, Dr. APJ Abdul Kalam and Radha Krishnan.

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and to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's.

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

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Principal

PATRON

Dr. CH. RAJA BABU

Vice Principal

CONVENOR


Dr. P.P.S. Naik

Head of the Department

Computer Science and Engineering

VENUE

Offline Platform.


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Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.



Dr.SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

**BIG DATA WITH HADOOP
TECHNOLOGY**

27-03-2023 TO 09-04-2023

CO-ORDINATOR

Dr. P.P.S. NAIK

Department of

**Computer Science and
Engineering**

ORGANIZED BY

Department of

**Computer Science and
Engineering**

**Dr. Samuel George Institute
of Engineering & Technology,
Affiliated to JNTUK, KAKINADA.**

Markapur – 523 320.

TARGET AREAS

- ❖ To learn about Big Data with Hadoop Technology language syntax, semantics, and the runtime environment
- ❖ To be familiarized with universal computer programming concepts like data types, containers
- ❖ To be familiarized with general computer programming concepts like conditional execution, loops & functions
- ❖ To be familiarized with general coding techniques and object-oriented programming

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
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- All the II B Tech CSE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme

On

BIG DATA WITH HADOOP TECHNOLOGY

27-03-2023 TO 09-04-2023

- Student Name:
 - Father Name:
 - Roll No:
 - Mobile No:
 - Course:
 - Department:
 - Organization:
 - Address for communication:
 - Email ID:
- (G-Mail Preferably)


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the two week certificate programme on **BIG DATA WITH HADOOP TECHNOLOGY** at Dept of Computer Science and Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

A Two week certificate programme on **“BIG DATA WITH HADOOP TECHNOLOGY”**

Dept of Computer Science and Engineering.,

DR SAMUEL GEORGE INSTITUTE OF
ENGINEERING AND TECHNOLOGY

MAIL ID: ppsnaik@gmail.com

PHONE: 9885926825

Dr. Samuel George Institute of Engineering & Technology

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College Code : 35

Department of Computer Science and Engineering

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON

BIG DATA WITH HADOOP TECHNOLOGY

Faculty Name: Dr.P.P.S.NAIK

Year: III-B.Tech

Academic Year: 2022-2023

Day	Topic Covered
Day 1	<p>Introduction to Bigdata and Hadoop</p> <p>Introduction to Big Data and Hadoop Introduction to Big Data, Big Data Analytics What is Big Data? Four vs of Big Data, Case Study Royal Bank of Scotland Challenges of Traditional System Distributed Systems Introduction to Hadoop, Components of Hadoop Ecosystem Part One, Components of Hadoop , Ecosystem Part Two Components of Hadoop ,Ecosystem Part Three Commercial Hadoop Distributions, Demo: Walkthrough of Simplilearn Cloudlab Key Takeaways,Knowledge Check</p>
Day 2	<p>Hadoop Architecture Distributed Storage (HDFS) and YARN</p> <p>Hadoop Architecture Distributed Storage (HDFS) and YARN What is HDFS Need for HDFS, Regular File System vs HDFS Characteristics of HDFS, HDFS Architecture and Components High Availability Cluster Implementations,HDFS Component File System Namespace Data Block Split, Data Replication Topology HDFS Command Line, Demo: Common HDFS Commands Practice Project: HDFS Command Line Yarn Introduction, Yarn Use Case, Yarn and its Architecture Resource Manager</p>
Day 3	<p>Data Ingestion into Big Data Systems and ETL</p> <p>Data Ingestion Into Big Data Systemsand Etl, Data Ingestion Overview Part One Data Ingestion Overview Part Two Apache Sqoop, Sqoop and Its Uses, Sqoop Processing, Sqoop Import Process, Sqoop Connectors.</p> <p>Demo: Importing and Exporting Data from MySQL to HDFS Practice Project: Apache Sqoop, Apache Flume Flume Model Scalability in Flume, Components in Flume's Architecture Configuring Flume Components .</p>
Day 4	<p>Distributed Processing MapReduce Framework and Pig:</p> <p>Distributed Processing Mapreduce Framework and Pig Distributed Processing in Mapreduce, Word Count Example Map Execution Phases, Map Execution Distributed Two Node Environment Mapreduce Jobs.</p>

Day 5	<p>Apache Hive:</p> <p>Apache Hive, Hive SQL over Hadoop , Mapreduce Hive Architecture, Interfaces to Run Hive, Queries Running Beeline from Command Line Hive Metastore, Hive DDL and DML Creating New Table Data Types Validation of Data File Format Types Data Serialization, Hive Table and Avro Schema.</p>
Day 6	<p>NoSQL Databases HBase:</p> <p>NoSQL Databases HBase, NoSQL Introduction Demo: Yarn Tuning Hbase Overview, Hbase Architecture Data Model Connecting to HBase, Practice Project: HBase Shell Key Takeaways, Knowledge Check, Practice Project: NoSQL Databases - HBase</p>
Day 7	<p>Basics of Functional Programming and Scala:</p> <p>Basics of Functional Programming and Scala Introduction to Scala, Demo: Scala Installation Functional Programming Programming With Scala, Demo: Basic Literals and Arithmetic Programming Demo: Logical Operators, Type Inference Classes Objects and Functions in Scala,</p>
Day 8	<p>Apache Spark Next-Generation Big Data Framework:</p> <p>Apache Spark Next-Generation Big Data Framework History of Spark, Limitations of Mapreduce in Hadoop, Introduction to Apache Spark Components of Spark,</p>
Day 9	<p>Spark Core Processing RDD:</p> <p>Introduction to Spark RDD, RDD in Spark, Creating Spark RDD, Pair RDD, RDD Operations, Demo: Spark Transformation Detailed Exploration Using Scala Examples Demo: Spark Action Detailed Exploration Using Scala,</p>
Day 10	<p>Spark SQL Processing Data Frames:</p> <p>Spark SQL Processing, Data Frames, Spark SQL Introduction, Spark SQL Architecture Data frames, Interoperating With RDDs</p>
Day 11	<p>Spark MLib Modelling BigData with Spark:</p> <p>Spark Mlib Modeling Big Data With Spark, Role of Data Scientist and Data Analyst in Big Data, Analytics in Spark, Machine Learning, Supervised Learning. Demo: Classification of Linear SVM,</p>
Day 12	<p>Spark GraphX:</p> <p>Spark GraphX, Introduction to Graph GraphX in Spark, GraphX Operators, Join Operators, GraphX Parallel System Algorithms in Spark Pregel API, Use Case of GraphX</p>


PROGRAMME COORDINATOR


HOD - CSE
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIET, Markapur, Prakasam(Dt), A.P.

Dr. Samuel George Institute of Engineering & Technology

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drsgit_35@yahoo.co.in

College Code : 35

Department of Computer Science and Engineering

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON

BIG DATA WITH HADOOP TECHNOLOGY

List of Students Enrolled/Completed: 77

Year: III-B.Tech

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	SIGNATURE
1	20351A0502	M.AFREEN	M. Afreen
2	20351A0503	SK.AFSHA ZAREEN BANU	Sk. Afsha zareena banu
3	20351A0504	D.AJAYDATTA	D. Ajaydatta
4	20351A0506	A.ANJALI	A. Anjali
5	20351A0507	M.ARCHANA	M. Archana
6	20351A0508	R.ARUNA	R. Aruna
7	20351A0509	N.S.ASHRIFA	N.s. Ashrifa
8	20351A0510	A.ASWANI	A. Aswani
9	20351A0511	D.AZEEM	D. Azeem
10	20351A0512	K.BAYI GADDAPPA	K. Bayi Gaddappa
11	20351A0513	B.BHANU	B. Bhanu
12	20351A0514	R.DANAIAH	R. Danaiah
13	20351A0518	P.EZRA	P. Ezra
14	20351A0519	B.GANESH	B. Ganesh
15	20351A0520	M.GANESH	M. Ganesh
16	20351A0521	B.GANGOTHRI	B. Gangothri
17	20351A0522	M.GAYATHRI	M. Gayathri
18	20351A0525	J.HARIPRASAD	J. hariprasad
19	20351A0526	D.HARSHITHA REDDY	D. Harshithareddy
20	20351A0527	N.JAGADEESH	N. Jagadeesh
21	20351A0528	G.JAYADEEP REDDY	G. Jayadeep reddy
22	20351A0529	G.JAYA KOMALA	G. Jaya komala
23	20351A0531	P.KIRAN BABU	P. Kiran babu
24	20351A0532	D.LAKSHMI PRASANNA	D. lakshmi prasanna
25	20351A0533	A.LOKA PAVANI	A. loka pavani
26	20351A0534	P.MADHURI	P. Madhuri
27	20351A0535	K.MAHADEVA	K. Mahadeva
28	20351A0536	G.MALLIKARJUNA	G. mallikarjuna
29	20351A0537	B.MANO HAR	B. mano har
30	20351A0538	SK.MASOOD AHAMMAD	Sk. masood a hammad
31	20351A0539	M.MOUNIKA	M. Monika
32	20351A0540	B.NAGENDRACHARI	B. Nagendrachari
33	20351A0541	S.NANDEESH	S. Nandeesh

35	20351A0543	G.NARENDRA REDDY	G. narendra reddy
36	20351A0544	C.NAVEEN KUMAR	C. naveen kumar
37	20351A0545	V.NAVYA	V. Navya
38	20351A0547	M.NITHIN	M. Nithin
39	20351A0548	V.OMPRAASAD REDDY	V. Omprasad
40	20351A0549	SK.PARVEEN	Sk. Praveen
41	20351A0550	M.PAVANI	M. Pavani
42	20351A0551	P.PAVAN KALYAN	P. pavan kalyan
43	20351A0552	K.PRATHIBA	K. Prathiba
44	20351A0554	K.PULLAIAH	K. Pullaiah
45	20351A0555	N.RAJA SEKHAR	N. Raja Sekhar
46	20351A0556	G.RAJ KUMAR	G. Raj Kumar
47	20351A0557	G.RAMANAI AH	G. Ramanaiah
48	20351A0558	D.RAVI	D. Ravi
49	20351A0559	K.RAVEENDRA	K. Raveendra
50	20351A0560	T.RAVI	T. Ravi
51	20351A0561	T.RAVITEJA	T. Raviteja
52	20351A0562	P.RENUKA	P. Renuka
53	20351A0563	K.ROHIT	K. Rohit
54	20351A0564	C.RUDRESH	C. Rudresh
55	20351A0565	N.SAHITHYA	N. Sahithya
56	20351A0566	B.SAITEJA REDDY	B. Saiteja reddy
57	20351A0567	M.SAMEERA	M. Sameera
58	20351A0568	B.SANDHYA	B. sandhya
59	20351A0569	M.SHAHUL HAMEED	M. Shahul hameed
60	20351A0571	T.SIVA PRIYANKA	T. Siva priyanka
61	20351A0572	M.SONIA	M. Sonia
62	20351A0573	K.SRIKANTH	K. Srikanth
63	20351A0574	Y.SUBHASITHA	Y. Subhasitha
64	20351A0575	U.SUJITH KUMAR	U. Sujith kumar
65	20351A0576	P.SUMANTH	P. Sumanth
66	20351A0577	N.SUNDARA RAO	N. Sundara rao
67	20351A0578	K.SWATHI	K. Swathi
68	20351A0579	J.TEJASH KUMAR	J. Tejash kumar
69	20351A0580	SK.TOUSEEF HUSSAIN	Sk. Touseeff hussain
70	20351A0581	K.VANITHA	K. vanitha
71	20351A0582	K.VENKATA ARCHANA	K. Venkata archana
72	20351A0583	C.VENKATESH	C. venkatesh
73	20351A0584	C.D.VENNELA	C. D. vennela
74	20351A0586	B.VINDYA HIMAJA	B. vindya himaja
75	20351A0587	C.YUVASREE	C. yuva sree
76	21355A0501	Y.YESU RAJU	Y. yesu raju
77	21355A0502	K.PAVAN KALYAN	K. Pavan kalyan

PROGRAMME COORDINATOR

HOD-CSE

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIET, Markapur, Prakasam(Dt), A.P.

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College Code : 35

Programme Report

Name of the Programme: ATWO WEEK CERTIFICATE PROGRAMME ON BIG DATA WITH HADOOP TECHNOLOGY

Duration: 27-03-2023 to 09-04-2023

Resource Person details: Dr. P.P.S NAIK, Professor, SGIT, Markapur.

Number of Students attended: 77

Dr. Samuel George Institute of Engineering And Technology organized "A TWO WEEK CERTIFICATE PROGRAMME ON BIG DATA WITH HADOOP TECHNOLOGY" for III Year B.Tech students by the resource person **Dr. P.P.S NAIK**, Professor from 27-03-2023 to 09-04-2023. This training was conducted to train students for upcoming campus recruitment drives. All the students participated energetically and they were able to know the following objectives and learning outcomes.

Program Objectives:

- ❖ To learn about Big Data with Hadoop Technology language syntax, semantics, and the runtime environment
- ❖ To be familiarized with universal computer programming concepts like data types, containers
- ❖ To be familiarized with general computer programming concepts like conditional execution, loops & functions
- ❖ To be familiarized with general coding techniques and object-oriented programming

Program Outcomes:

- Learn how to navigate the Hadoop ecosystem and understand how to optimize its use Ingest data using Sqoop, Flume, and Kafka.
- Implement partitioning, bucketing, and indexing in Hive Work with RDD in Apache Spark Process real-time streaming data
- Perform DataFrame operations in Spark using SQL queries
- Implement User-Defined Functions (UDF) and User-Defined Attribute Functions (UDAF) in Spark


PROGRAMME COORDINATOR


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College Code : 35

CIRCULAR

DATE: 05-09-2022

All the students of IV – B.Tech I – Semester CSE are hereby informed to attend the **A TWO WEEK CERTIFICATE PROGRAMME ON PRINCIPLES OF CYBER SECURITY** and the programming Scheduled from **12-09-2022 to 24 -09-2022** and is delivered by **Miss.O.BHULAKSHMI**. She will deliver the valuable information on the respective programme. All the students must participate and make your career enlighten.


PROGRAMME COORDINATOR


HOD-CSE
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIST, Markapur, Prakasam(Dt), A.P.

ABOUT THE COLLEGE

Dr. Samuel George Institute of Engineering & Technology was established in 1997 at Markapur to sharpen, shape and meet the global trends by imparting the values, ethics and true culture in technical education. It is the first Engineering College in Prakasam District under the aegis of NCCSAI. The college is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The college was started with a Vision & Motto of "Discipline, Hard Work and Value of Time" and imparts quality technical education to the rural areas to produce quality engineers with outstanding technical skills.

The college campus is sprawling in 54 Acres of land with a serene surrounding at Markapur town. The institute has JKC star status and Infosys campus connect programs. The institute also has 100 Mbps internet (Airtel) leased line. The institute has well-qualified and dedicated faculty to give quality education. The institute also has all the infrastructural facilities and laboratories with state-of-art equipment. It has monumental blocks –
Dr. B.R. Ambedkar, Sir. C.V. Raman, Sir. Visweswarayya, Dr. APJ Abdul Kalam and Radha Krishnan.

ABOUT THE DEPARTMENT

The Department currently runs UG & PG programs Computer Science and Engineering.

The UG-CSE intake is 120 and PG-CSE intake is 36. The Department of CSE established state-of-the-art labs viz., PPSUC lab, Python Programming lab, C++ Lab, DBMS lab, Java programming lab, Data Structures lab, Compiler Design Lab, UML Lab, Artificial Intelligence lab.

and to suit the needs of the Students and the Faculty. The Labs are provided with Licensed Software's.

A large number of activities are conducted regularly under these student forums. Guest lectures, Workshops, Hands on Sessions on latest tools are regularly held to help students to acquire new knowledge, deeper and clear understanding of major concepts and build the ability to apply in the relevant fields.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. Y. ESWARA RAO

Principal

PATRON

Dr. CH. RAJA BABU

Vice Principal

CONVENOR

Dr. P.P.S. Naik

Head of the Department

Computer Science and Engineering

VENUE

Offline Platform.


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316, Prakasam Dist.



Dr.SGIT



A TWO WEEK CERTIFICATE PROGRAMME ON

PRINCIPLES OF CYBER SECURITY

12-09-2022 TO 24-09-2022

CO-ORDINATOR

O. BHULAKSHMI

Department of
Computer Science and
Engineering

ORGANIZED BY

Department of
Computer Science and
Engineering

Dr. Samuel George Institute of
Engineering & Technology,
Affiliated to JNTUK, KAKINADA.

Markapur – 523 320.

TARGET AREAS

- Develop essential programming skills in computer programming concepts like data types, containers
- Apply the basics of programming in the Python language
- Solve coding tasks related conditional execution, loops Solve coding tasks related to the fundamental notions and techniques used in object-oriented programming

REGISTRATION DETAILS

- There is **no Registration fee** for the Program.
- Registration for the Program can be done using the **registration form**.
- All the IV B Tech CSE students are requested to register the Certification program before two days by using Registration form.
- Participants will get the Participation Certificate after completion of program.

REGISTRATION FORM

A Two week Certificate Programme


On

PRINCIPLES OF CYBER SECURITY

12-09-2022 TO 24 -09-2022

- Student Name:
- Father Name:
- Roll No:
- Mobile No:
- Course:
- Department:
- Organization:
- Address for communication:
- Email ID:

(G-Mail Preferably)


PRINCIPAL
Dr. SAMUEL GEORGE INSTITUTE
OF ENGINEERING & TECHNOLOGY
MARKAPUR-523 316,Prakasam Dist.

AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. _____
is an student of our college/ institution and is hereby permitted to attend the two week certificaee programme on **PRINCIPLES OF CYBER SECURITY** at Dept of Computer Science and Engineering, Dr Samuel George Institute Of Engineering and Technology

Date:

Place:

Signature & Seal of the Authorizing Authority

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the program I shall attend the program for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

CONTACT US

The Co-ordinator

A Two week certificate programme on **Principles of Cyber Security**"

Dept of Computer Science and Engineering.,

DR SAMUEL GEORGE INSTITUTE OF
ENGINEERING AND TECHNOLOGY

MAIL ID: bhulakshmi.ouku@gmail.com

PHONE: 9347583220

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e-mail : sgit.principal@gmail.com
drsgit_35@yahoo.co.in

College Code : 35

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON PRINCIPLES OF CYBER SECURITY

Faculty Name: O.BHULAKSHMI

**Year: II-B.Tech
Academic Year: 2022-2023**

Day	Topic Covered
Day 1	Introduction to Cyber Security: Introduction, Computer Security, Threats, Harm, Vulnerabilities, Controls, Authentication, Access Control and Cryptography. Web attack: Browser Attacks, Web Attacks Targeting Users, Obtaining User or Website Data, Email Attacks
Day 2	Network Vulnerabilities: Overview of vulnerability scanning, Open Port / Service Identification, Banner /Version Check, Traffic Probe, Vulnerability Probe, Vulnerability Examples, OpenVAS, Metasploit
Day 3	Networks Vulnerability Scanning (Ncat, Socat), Network Sniffers and Injection tools.
Day 4	Network Defense tools : Firewalls and Packet Filters: Firewall Basics, Packet Filter Vs Firewall, How a Firewall Protects a Network, Packet Characteristic to Filter, Stateless Vs Stateful Firewalls, Network Address Translation (NAT) and Port Forwarding.
Day 5	VPN: the basic of Virtual Private Networks. Firewall: Introduction, Linux Firewall, Windows Firewall
Day 6	Windows Firewall Snort: Introduction Detection System.
Day 7	Web Application Tools: Scanning for web vulnerabilities tools: Nikto, W3af, HTTP utilities - Curl, OpenSSL and Stunnel.
Day 8	Application Inspection tools – Zed Attack Proxy, Sqlmap, DVWA, Webgoat
Day 9	Password Cracking and Brute-Force Tools: John the Ripper, L0htcrack, Pwdump, HTC-Hydra.
Day 10	Introduction to Cyber Crime, law and Investigation: Cyber Crimes, Types of Cybercrime, Hacking, Attack vectors, Cyberspace and Criminal Behavior, Clarification of Terms, Traditional Problems Associated with Computer Crime, Introduction to Incident Response, Digital Forensics, Computer Language, Network Language, Realms of the Cyber world.
Day 11	Internet crime and Act: A Brief History of the Internet, Recognizing and Defining Computer Crime, Contemporary Crimes, Computers as Targets, Contaminants and Destruction of Data, Indian IT ACT
Day 12	Firewalls and Packet Filters, password Cracking, Keyloggers and Spyware, Virus and Worms, Trojan and backdoors, Steganography, DOS and DDOS attack, SQL injection, Buffer Overflow, Attack on wireless Networks.


PROGRAMME COORDINATOR


HOD-CSE
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
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drsgit_35@yahoo.co.in

College Code : 35

Department of Computer Science and Engineering

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON PRINCIPLES OF CYBER SECURITY

List of Students Enrolled/Completed: 81

Year: IV-B.Tech

S.NO	ROLL NUMBER	STUDENT NAME	SIGNATURE
1	19351A0501	R. AKHILA	R. Akhila
2	19351A0502	B. AKHILA BAI	B. Akhila Bai
3	19351A0503	R. AKHILA REDDY	R. Akhila Reddy
4	19351A0505	J. ANJI REDDY	J. Anji Reddy
5	19351A0506	S. ARUNA JYOTHI	S. Aruna Jyothi
6	19351A0507	BHARGAV P	Bhargav P
7	19351A0508	K. BHAVANI SANKAR	K. Bhavani Sankar
8	19351A0509	M. CHANDANA	M. Chandana
9	19351A0510	Y. CHANDRAKALAVATHI	Y. Chandrakalavathi
10	19351A0511	S. CHINNAIAH	S. Chinnaiah
11	19351A0514	V. GOWTHAMI	V. Gowthami
12	19351A0515	N. G NAGENDRA PRATHAP	N. G. Nagendra Prathap
13	19351A0516	K. HARINDRA REDDY	K. Harindra Reddy
14	19351A0517	N. JAYA DEEPTHI	N. Jaya Deepthi
15	19351A0518	D. JITHENDRA	D. Jithendra
16	19351A0519	CH.I JYOTHI	Ch. Jyothi
17	19351A0521	SK. KAREEMULLA	Sk. Kareemulla
18	19351A0522	E. KARTHIK	E. Karthik
19	19351A0523	Y. KEERTHI REDDY	Y. Keerthi Reddy
20	19351A0524	D. KHASIM SAHEB	D. Khasim Saheb
21	19351A0525	M. LAKSHMIKANTHA REDDY	M. LakshmiKantha Reddy
22	19351A0527	G. LOKESH	G. Lokesh
23	19351A0528	G. LOKESH REDDY	G. Lokesh Reddy
24	19351A0529	D. MADHAVILATHA	D. Madhavilatha
25	19351A0530	S. MANISHA	S. Manisha
26	19351A0531	S. MANJULA	S. Manjula
27	19351A0532	SK. MOHAMMAD AKIB	Sk. Mohammad Akib
28	19351A0535	J. NAGAMANI	J. Nagamani
29	19351A0537	M. NAGAVENI	M. Nagaveni
30	19351A0538	G. NANDHINI	G. Nandhini
31	19351A0539	M. GARI NAVYA	M. Gari Navya
32	19351A0540	SK. NISSAR AHAMAD	Sk. Nissar Ahamad
33	19351A0542	B. OUJA LAKSHMI	B. Ouja Lakshmi
34	19351A0543	V. PRASANNA KUMAR	V. PrasanNA Kumar
35	19351A0544	E. PRASANTHI	E. Prasanthi

36	19351A0545	G. PRATHYUSHA	G. Prathyusha
37	19351A0546	P. PRATHYUSHA	
38	19351A0547	T. PRATHYUSHA	T. Prathyusha
39	19351A0548	N. PRAVALLIKA	N. Pravallika
40	19351A0549	K. PRAVEEN KUMAR	K. Praveen Kumar
41	19351A0550	A. PRIYA	A. Priya
42	19351A0551	K. RAASI	K. Raasi
43	19351A0552	V. RAJA SEKHARA REDDY	V. Raja Sekhara Reddy
44	19351A0553	P. RAJESH KUMAR	P. Rajesh Kumar
45	19351A0554	Y. RAKESH	Y. Rakesh
46	19351A0555	M. RAMAKRISHNA	M. Ramakrishna
47	19351A0556	D. RANGA RAJU	D. Ranga Raju
48	19351A0557	CH. RANGAVANI	Ch. Rangavani
49	19351A0558	P. R K VENKATA LOKESH	P.R.K Venkata Lokesh
50	19351A0559	U. RITHWIK REDDY	U. Rithwik Reddy
51	19351A0560	SK. RUFIYA BANU	SK. Rufiya Banu
52	19351A0561	M. SAI KALPANA	M. Sai Kalpana
53	19351A0562	M. SAI KUMAR	M. Sai Kumar
54	19351A0563	K. SAINADH REDDY	K. Sainadh Reddy
55	19351A0564	N. SAINATH	N. Sainath
56	19351A0565	SK. SAMIYA	SK. Samiya
57	19351A0566	A. SANDEEPA	A. Sandeepa
58	19351A0567	S. SANDHYA	S. Sandhya
59	19351A0568	M. SARASWATHI	M. Saraswathi
60	19351A0570	R. SIRISHA	R. Sirisha
61	19351A0571	A. SIVA KRISHNA	A. Sivakrishna
62	19351A0572	CH. SREEVALLI	CH. Sreevalli
63	19351A0573	T. SRINIVASA RAO	T. Srinivasa Rao
64	19351A0574	G. SRINU	G. Srinu
65	19351A0575	U. SUBBAREDDY	U. Subbareddy
66	19351A0576	I. SUBHASHINI	I. Subhashini
67	19351A0577	T. SUDEEPTHI	T. Sudeepthi
68	19351A0578	U. SUMANTH	U. Sumanth
69	19351A0579	B. SUPRIYA	B. Supriya
70	19351A0581	S. VAMSI KRISHNA	S. Vamsi Krishna
71	19351A0582	J. VARSHITHA	J. Varshitha
72	19351A0583	G. VEERANJINEYULU	G. Veeranjineyulu
73	19351A0584	P. VENKATA AVINASH	P. Venkata Avinash
74	19351A0585	A. V BHASKAR REDDY	A. V Bhaskar Reddy
75	19351A0586	G. V LAKSHMI TANUJA	G. V Lakshmi Tanuja
76	19351A0587	V. V SAI KIRAN REDDY	V. V Sai Kiran Reddy
77	19351A0588	K. V SAI TEJESWAR REDDY	K. V Sai Tejeswar Reddy
78	19351A0590	D. VENKATA SIREESHA	D. Venkata Sireesha
79	19351A0591	G. VIJAYA KUMARI	G. Vijaya Kumari
80	19351A0592	CH. VIKAS	Ch. Vikas
81	19351A0593	A. VINAY	A. Vinay

O. B. S.
PROGRAMME COORDINATOR

HEAD HOD - CSE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
Dr. SGIET, Markapur, Prakasam(Dt), A.P.



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drsgit_35@yahoo.co.in

College Code : 35

Programme Report

Name of the Programme: A TWO WEEK CERTIFICATE PROGRAMME ON PRINCIPLES OF CYBER SECURITY.

Duration: 12-09-2022 to 24 -09-2022

Resource Person details: O.BHU LAKSHMI

Number of Students attended: 81

Dr. Samuel George Institute of Engineering And Technology organized “ A TWO WEEK CERTIFICATE PROGRAMME ON PRINCIPLES OF CYBER SECURITY” for IV Year B.Tech students by the resource person Miss. O.BHU LAKSHMI, Assistant Professor from 12-09-2022 to 24 -09-2022. This training was conducted to train students for upcoming campus recruitment drives. All the students participated energetically and they were able to know the following objectives and learning outcomes.


Program Objectives:

- ❖ To prepare students with the technical knowledge and skills needed to protect and defend computer systems and networks.
- ❖ To develop graduates that can plan, implement, and monitor cyber security mechanisms to help ensure the protection of information technology assets.
- ❖ To develop graduates that can identify, analyze, and remediate computer security breaches.

Program Outcomes:

- Analyze and evaluate the cyber security needs of an organization.
- Conduct a cyber security risk assessment.
- Measure the performance and troubleshoot cyber security systems.
- Implement cyber security solutions.
- Be able to use cyber security, information assurance, and cyber/computer forensics software/tools.
- Identify the key cyber security vendors in the marketplace.
- Design and develop security architecture for an organization.
- Design operational and strategic cyber security strategies and policies.


PROGRAMME COORDINATOR


HOD-CSE
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
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