

# 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: 2019-2020

S. No	Name of the Program	Duration of course	No. of Participants
1	A Two week Certificate program on Bridge Construction Procedure	16.08.2019 to 29.08.2019	54
2	A Two week Certificate program on Harbers and Dock Yard	28.08.2019 to 10.09.2019	49
3	A Two week Certificate program on Pile Foundations	19.08.2019 to 31.08.2019	47
4	A Two Week Certificate Programme ON Non Conventional Energy	16-08-2019 to 28-08-2019	35
5	A Two Week Certificate Programme ON Enrgy Conservation	16-08-2019 to 28-08-2019	46
6	A Two Week Certificate Programme ON 3-PHASE TRANSFORMERS	16-08-2019 to 28-08-2019	39
7	A two week certificate program on CATIA	03-02-2020 to 15-02-2020	48
8	A two week certificate program on Recent Advances in Composite Materials in Engineering	16-09-2019 to 28-09-2019	54
9	A two week certificate program on Concept Design to Manufacturing	19-08-2019 to 31-08-2019	41
10	A Two Week certificate Programme on Embedded Systems in Automobile Engineering	16-09-2019 to 30-09-2019	56
11	A Two Week certificate Programme on Advancement in Antenna design	16-08-2019 to 31-08-2019	63
12	A Two Week certificate Programme on Hands on work On Communications.	15-02-2020 to 29-02-2020	103
13	A Two Week certificate Programme on ADVANCED PYTHON PROGRAMMING	08-07-2019 to 20-07-2019	85
14	A Two Week certificate Programme on DATA SCIENCE USING PYTHON	22-07-2019 to 03-08-2019	78
15	A Two Week certificate Programme on BLOCK CHAIN AND IOT	19-08-2019 to 31-08-2019	80

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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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE : 09-08-2019

All the students of II B.Tech I-Sem Civil are hereby informed to attend the A two week Certificate program on **Bridge Construction Procedure**. The Programme is scheduled from **16-08-2019 to 29-08-2019** and is delivered by **Mr. N. RUDRA SEKHAR REDDY**. He will deliver the valuable information on the respective program. All the Students must participate and make your career enlightened.

  
Program Co-coordinator

  
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. K.V.S NARAYANA**

**Principal**

**PATRON**

**PROF. CH. RAJABABU**

**Vice Principal**

**CONVENOR**

**DR. CH. RAJABABU**

**Head of the Department**

**CIVIL ENGINEERING**

### VENUE

**Offline Zoom**

**Platform**

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



# DR. SGIT



## A TWO WEEK CERTIFICATE PROGRAMME ON

**BRIDGE CONSTRUCTION**

28-08-2019 TO 10-09-2019

### CO-ORDINATOR

R. RAMA KRISHNA RAO

Department of  
CIVIL ENGINEERING

### ORGANIZED BY

Department of  
CIVIL ENGINEERING

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

Markapur-523316.

## TARGET AREAS

- ◆ Bridge Construction Procedure
- ◆ Based on Soil Classification
- ◆ Test Procedures
- ◆ Type of Loading
- ◆ Type of Bridge
- ◆ Strength Parameters, Super and Sub Structure, Protection Works, Retaining Walls, Approaches.
- ◆ Methods of using equipment and machinery

## 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 “**BRIDGE CONSTRUCTION**”

16-08-2019 TO 29-08-2019

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 **BRIDGE CONSTRUCTION** 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 “**BRIDGE CONSTRUCTION**” Department of Civil Engineering.

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

Mail ID: sgitcivil@gmail.com

Phone. No: 8125617265

  
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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

**Title of the Programme:** A Two Week Certification on Bridge Construction Procedure

**Faculty Name:** Mr.N.Rudra Sekhar Reddy.

**Academic Year:** 2019-20

16-08-2019	Introduction - Selection of Bridge
17-08-2019	Hallow Circular Well Foundation
19-08-2019	Fixation of High Flood Level -H.F.L & Afflux , Slab Cover etc
20-08-2019	Water Levels Marking on Piers
21-08-2019	Girders Fixation
22-08-2019	Slab laying above girders
23-08-2019	Details about sub -structure and super structure of bridge with railing, footpath, lane marking with escape ladder.
24-08-2019	Tests on slab strength at edges and middle portions as per design
26-08-2019	Approach roads - Both sides 15m minimum and with skew alignment
27-08-2019	Cost ,Abstract, Demarcation on topo map
28-08-2019	Safety Precautions-sign Board's
29-08-2019	Signaling System

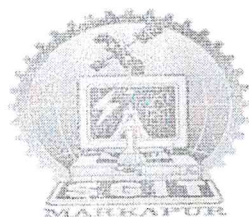
  
**Program Coordinator**

  
**HOD OF CIVIL**

Head of the Department  
Dept. of CIVIL ENGINEERING  
Dr. Samuel George Institute of  
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College Code : 35

Department: CIVIL ENGINEERING

Academic Year: 2019-2020

Course Name: A Two weeks Certificate program on Bridge Construction Procedure Schedule: 16.08.2019 to 29.08.2019

Year: II B.Tech

List of students Enrolled/Completed: 54/48

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	18351A0101	P. ANKAMMARAO	P. Ankamma Rao
2	18351A0102	P. BHANU TEJA	P. Bhanu Teja
3	18351A0103	V. DIVYA	V. Divya
4	18351A0104	G. GANGARAJU	G. Gangaraju
5	18351A0105	K. GIRI BABU	K. Gribi babu
6	18351A0106	H. HARINATH	H. Harinath
7	18351A0107	K. KARUNAKAR	K. Karunakar
8	18351A0108	M. KASIAH	M. Kasiah
9	18351A0109	M. KASI VISWANADH	M. Kasi Viswanadh.
10	18351A0110	P. KHAJA	P. Khaja
11	18351A0111	N. KOUSALYA	N. Kousalya
12	18351A0112	Y. LAKSHMAIAH	Y. Lakshmaiah
13	18351A0113	B. LINGA MURTHI	B. Linga murthi
14	18351A0114	M. NAGESH	M. Nagesh
15	18351A0115	R. NARESH	R. Nagesh
16	18351A0116	K. PRABHU DAS	K. Prabhu Das.
17	18351A0117	U. PRAVEENKUMAR	U. Praveenkumar
18	18351A0118	M. RAGHAVENDRA	M. Raghavendra
19	18351A0119	V. RAMESH	V. Ramesh
20	18351A0120	CH. RANGALAKSHMI	Ch. Ranga Lakshmi
21	18351A0121	B. RANGANAYAKULU	B. Ranganayakulu.
22	18351A0122	S. ROHITKUMAR RAJU	S. Rohitkumar Raju
23	18351A0123	M. SAGAR RAVI KIRAN REDDY	M. Sagar Ravi Kiran Reddy.
24	18351A0124	P. SAI SRINIVASA REDDY	P. Sai Srinivasa Reddy.
25	18351A0125	E. SATHISH GOUD	E. Sathish goud
26	18351A0126	P. SATYANARAYANA	P. SATYANARAYANA
27	18351A0127	S. SIVAREDDY	S. Siva Reddy
28	18351A0128	CH. SOUMYA	Ch. Soumya
29	18351A0129	M. SOWNDARIYA	M. Sowndariya
30	18351A0130	CH. SREEKANTH	Ch. Sreekanth
31	18351A0131	P. SREENIVASULU	P. Sreenivasulu.
32	18351A0132	R. SRINU	R. SRINU
33	18351A0133	K. SUBBA REDDY	K. Subba Reddy
34	18351A0134	T. SURENDRA BABU	T. Surendra Babu.
35	18351A0135	P. THIRUMALESWARA REDDY	P. Thirumaleswara Reddy
36	18351A0136	G. THIRUPATHAMMA	G. Thirupathamma
37	18351A0137	P. THREEVENI	P. Threeveni
38	18351A0138	K. TIRUPATHI RAO	K. Tirupathi Rao
39	18351A0139	K. UMESH CHANDRA	K. Umesh Chandra.
40	18351A0140	P. UMESWARI	P. Umeswari
41	18351A0141	B. VAMSI	B. Vamsi



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College Code : 35

42	18351A0142	R. VAMSI	R. Vamsi
43	18351A0143	V. VAMSI PRASAD	V. Vamsi PRASAD
44	18351A0144	B. VENKATA SIVA RAMI REDDY	B. Venkata Siva Rami Reddy
45	18351A0145	Y. VICTOR IMMANIYEL	Y. VICTOR IMMANIYEL
46	18351A0146	D. VIDYULLATHA	D. Vidyullatha
47	18351A0147	T. VISHNU	T. Vishnu
48	18351A0148	SK. YASIN BASHA	SK. Yasin Basha
49	19355A0101	M. BHAVANI	M. Bhavani
50	19355A0102	P. MANASA	P. Manasa
51	19355A0103	M. SAI KUMAR	
52	19355A0104	P. SIVA NARAYANA	P. Siva Narayana
53	19355A0105	T. SURYA	T. Surya
54	19355A0106	P. THARAKA ANISH KUMAR	P. Tharaka Anish Kumar

Programme Coordinator

HOD OF CIVIL

Hod of the Department  
Dept. of CIVIL ENGINEERING  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523 320, Prakasam (Dist)

PRINCIPAL

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Dr. SAMUEL GEORGE INSTITUTE  
OF ENGINEERING & TECHNOLOGY  
MARKAPUR-523 320, Prakasam Dist.

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College Code : 35

## PROGRAM REPORT

Name of the Program : A two week Certificate  
program on **Bridge Construction Procedure**  
Schedule of Program : 16-08-2019 to 29-08-2019.  
Venue : Seminar Hall  
Organized by : Dept. of Civil  
Faculty : N. Rudra Sekhar Reddy  
Designation : Industrial Expert  
Number of Participants : 54

### **Objectives of The Course are:**

- Cost, Economical.
- Purpose.
- Selection of Bridge and Type of Bridge-Alignment.
- Soil Classification and Test Results.
- Depths of Foundations, Afflux, Water Levels, Free Board, R.L's
- Markings, Type of Sub-Structure and Super Structure Design.
- Protection Works.
- Markings, Signs, Signals.

### **Topic Covered:**

Introduction - Terminology, Selection of Bridge, Type of Bridge, Alignment, Water Flow Characteristics fixation of afflux, Free board, Economical Span, Depth of Foundations.

Types of Foundations, Design Methods, Sub Structure and Super Structure Design and laying, Placing of the Girder, Parapet walls, Railings.

### **Out Comes of the Course:**

- Bridge Construction Procedure.
- Based on Soil Classification.
- Test Procedures.
- Type of Loading.
- Type of Bridge.
- Strength Parameters, super and sub-structure, protection works, retaining walls Approaches.
- Method of Using equipment and Machinery.

**Program Coordinator**

**HOD OF CIVIL**

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



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

**DATE : 21-08-2019**

All the students of III B.Tech I-Sem Civil are hereby informed to attend A two week Certificate Program on **Harbours and Dock Yard**. The Programm is scheduled from **28-08-2019 to 10-09-2019** and is delivered by **Mr. R. RAMA KRISHNA RAO**, Assoc. Professor of Civil Engineering. He will deliver the valuable information on respective program. All the Students must participate and make your career enlightened.

  
**Program Co-ordinator**

  
**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

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

## ABOUT THE DEPARTMENT

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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. K.V.S NARAYANA**

**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

**HARBOURS AND DOCK YARD**

28-08-2019 TO 10-09-2019

## CO-ORDINATOR

**R. RAMA KRISHNA RAO**

Department of  
**CIVIL ENGINEERING**

## ORGANIZED BY

Department of  
**CIVIL ENGINEERING**

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

**Markapur-523316.**



## TARGET AREAS

- ◆ Bridge Construction Procedure
- ◆ Based on Soil Classification
- ◆ Test Procedures
- ◆ Type of Loading
- ◆ Type of Bridge
- ◆ Strength Parameters, Super and Sub Structure, Protection Works, Retaining Walls, Approaches.
- ◆ Methods of using equipment and machinery

## 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 “BRIDGE CONSTRUCTION”

16-08-2019 TO 29-08-2019

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.

**The Co-ordinator**  
“A Two Week Certificate Program on “**BRIDGE CONSTRUCTION**” Department of Civil Engineering.  
**Dr. Samuel George Institute of Engineering and Technology**  
Mail ID: sgitecivil@gmail.com  
Phone. No: 8125617265

## AUTHORIZATION CERTIFICATE

Ms/Mr/Dr.....  
is an student of our college/institution and is hereby permitted to attend A Two Week Certificate Program on **BRIDGE CONSTRUCTION** 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

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College Code : 35

## SCHEDULE

Title of the Certification : A Two Week Certification Programme on Harbours and Dock yard

Faculty Name: Mr. R. RAMA KRISHNA RAO.

Academic Year: 2019-20

28-08-2019	INTRODUCTION
29-08-2019	Classification of Harbours-Natural, Artificial
30-08-2019	Shape of the Harbours
31-08-2019	Harbour Planning
01-09-2023	Defects of Harbours
02-08-2019	Natural Phenomena- Tides, Wind and Wave, Littoral Drift, spring tides, Neap Tides, Wave Movement.
03-09-2019	Height and length of the waves
04-09-2019	Wave action and dynamic effect of wave action
05-09-2019	Shore Protection Works
06-09-2019	Break Waters-Alignment, Design-Tetrapod, Mound Foundation
07-09-2019	Method of Construction – Barge. Staging, Low Level Method.
08-09-2019	Wall Break Waters-Forces, Method of Construction, failures
09-09-2019	Docks-construction of Dock wall, Classification, Repairs
10-09-2019	Entrance of the Docks-locks, Quays, Rock mole, aprons, Transit Sheds, Ware houses

  
Program Co-ordinator

  
HOD OF CIVIL

Head of the Department  
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drsgit\_35@yahoo.co.in

College Code : 35

Department: CIVIL ENGINEERING

Academic Year: 2019-2020

Course Name: A Two weeks Certificate program on Harbors and Dock Yard

Schedule: 28.08.2019 to 10.09.2019

Year: III B.Tech

List of students Enrolled/Completed: 49/47

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	17351A0101	G. AMARNADHA REDDY	G. Amarnadha Reddy
2	17351A0102	D. ANIL	D. Anil
3	17351A0103	M. ANJALI	M. Anjali
4	17351A0104	P. ANUSHA	P. Anusha
5	17351A0105	J. BALU NAIK	J. Balu Naik
6	17351A0106	G. CHAKRAVARTHI	G. Chakravarthi
7	17351A0107	P. CHAKRAVARTHI	P. Chakravarthi
8	17351A0108	M. CHANDRA SEKHAR NAIK	M. Chandra. Sekhar Naik
9	17351A0109	Y. CHELSIYA SHINEY	y. chelsiya shiney
10	17351A0110	K. CHINNA GOPI	K. Chenna Gopi
11	17351A0111	B. CHINNA VENKATA CHENNAIAH	B. Chenna Venkata Chennaiah
12	17351A0113	V. DILEEF KUMAR	V. Dileef Kumar
13	17351A0114	K. DINESH	K. Dinesh
14	17351A0115	M. EMMANIYELU	M. Emmaniyelu
15	17351A0117	D. HARINI	D. Harini
16	17351A0118	P. JYOTHI	P. Jyothi
17	17351A0119	A. KAMALAKAR	A. Kamalakara
18	17351A0120	A. KRUPARAO	A. Kruparao
19	17351A0121	U. MAHESH BABU	U. Mahesh Babu
20	17351A0123	S. NANI	S. Nani
21	17351A0124	D. NAVEEN	D. NAVEEN
22	17351A0125	V. PEDDA VEERAAH	V. Pedda Veeriah
23	17351A0126	M. PRAVEEN KUMAR NAIK	M. PRAVEEN Kumar Naik
24	17351A0127	M. RAJESH KUMAR	M. Rajesh Kumar
25	17351A0128	A. RAMANJI REDDY	A. Ramaji Reddy
26	17351A0129	K. RAMBABU	K. Rambabu
27	17351A0130	P. RAVI KUMAR	P. Ravi Kumar
28	17351A0132	V. SATYA SAI LOKESWARA REDDY	V. Satya Sai Lokeshwara Reddy
29	17351A0133	S. SHIVA NAGESWARA RAO	S. Shiva Nageswara Rao
30	17351A0135	S. SIVA RAMAKRISHNA	S. Siva Ramakrishna
31	17351A0137	T. SNEHALATHA	T. Snehalatha
32	17351A0138	G. SOWMYA LIKHITHA	G. Sowmya Likhitha
33	17351A0139	B. SRAVANI	B. Sravani
34	17351A0140	J.M. SREEDEVI	J.M. Sreedevi
35	17351A0141	V. SUBBA RAO	V. Subba Rao
36	17351A0145	N. VENKATA KRISHNA SAI REDDY	N. Venkata Krishna Sai Reddy
37	17351A0146	B. VENKATA RAJAMMA	B. Venkata Rajamma
38	17351A0147	V. VENKATA SIVA	V. Venkata Siva
39	17351A0148	P. VIJAY KUMAR	P. Vijay Kumar
40	17351A0149	M. YEHOSHUVA	M. Yehoshuva
41	18355A0103	CH. MADHU BABU	CH. Madhu Babu

# 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

42	18355A0104	CH. MAHESH	Ch. Mahesh
43	18355A0105	A. NAVEEN KUMAR	A. Naveen Kumar
44	18355A0106	G. PRASHANTH GOUD	G. Prashanth Goud
45	18355A0107	B. PRAVALLIKA	B. Pravallika
46	18355A0108	M. RAMESH	M. Ramesh
47	18355A0109	K. SAROJINI BAI	K. Sarojini Bai
48	18355A0110	M. SHANTHI VARDHAN	M. Shanthi Vardhan
49	18355A0112	B. VINOD KUMAR	B. Vinod Kumar

Programme Coordinator

HOD OF CIVIL

PRINCIPAL

PRINCIPAL  
Dr. SAMUEL GEORGE INSTITU  
OF ENGINEERING & TECHNOLO  
MARKAPUR-523 316,Prakasam D



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAM REPORT

Name of the Program : A two week Certificate Program  
on **Harbours and DockYard**  
Schedule of Program : 28-08-2019 to 10-09-2019  
Venue : Seminar Hall  
Organized by : Dept. of Civil  
Faculty : Mr. R. RAMA KRISHNA RAO  
Designation : Assc. Professor of Civil Engineering  
Number of Participants : 49

### **Objectives of the Course are:**

- ◆ Purpose of Constructing Harbour.
- ◆ Materials used.
- ◆ Components of Harbours.
- ◆ Construction Methods.
- ◆ Facilities Provided in Harbours and Dock Yard.
- ◆ Ships, Vessels movement.
- ◆ Loading, Unloading, Storage, Transporting.
- ◆ Protections works for Harbours.

### **Topic Covered:**

Introduction - Classification, Shape, Planning, Defects, Natural Phenomena-Tidal Nature.

Height and Length, Wave actions, Shore Protection-Break Waters, Method of Construction-Barge, Staging, Low level Method.

Wall Break Waters, Dock Construction-Wall and Repairs, Entrance of Dock-Locks, Quays, Rock Mole, Aprons, Transit Sheds, Warehouses.

### **Out Comes of the Course:**

- ◆ Shape, Planing, Turning Movement.
- ◆ Construction Methods.
- ◆ Protection Works.
- ◆ Loading , unloading , Storage.
- ◆ Entry and Exit of vessels.
- ◆ Transporting facilities connecting to surface road network system.

  
Programme Co-Ordinator

  
HOD of Civil

# Dr. Samuel George Institute of Engineering & Technology



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

**Date:** 12-08-2019

All the students of IV B.Tech I-Sem Civil are hereby to attend a two week Certificate programme on **PILE FOUNDATIONS**. The Programme is scheduled from **19-08-2019 TO 31-08-2019** and is delivered by **Dr.Y. ESWARA RAO**, Professor of Civil Engineering. He will deliver the valuable ~~info~~ information on the respective program. All the Students must participate and make your career enlightened.

  
**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)



## 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. K.V.S NARAYANA**

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

### PILE FOUNDATION

19-08-2019 TO 31-08-2019

### CO-ORDINATOR

Dr. Y. ESWARA RAO

Department of  
CIVIL ENGINEERING

---

### ORGANIZED BY

Department of  
CIVIL ENGINEERING

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

Markapur-523316.

## TARGET AREAS

- ◆ Shape, Planning, Design
- ◆ Selection of Piles
- ◆ Construction Procedure
- ◆ Tool and Equipment machinery used
- ◆ Test Results
- ◆ Bearing Test Procedures and Results.

## 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.

Student Name:

Father Name:

Roll No:

Mobile No:

Course:

Department:

Organization:

Address for Communication:

Email ID:  
(G-Mail Preferably)

## REGISTRATION FORM A TWO WEEK CERTIFICATE PROGRAMME ON “PILE FOUNDATIONS” 19-08-2019 TO 31-08-2019

## AUTHORIZATION CERTIFICATE

Ms/Mr/Dr.....  
is an student of our college/institution and is hereby permitted to attend A Two Week Certificate Program on **PILE FOUNDATIONS** 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 **“PILE FOUNDATIONS”** Department of Civil Engineering.

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

Mail ID: sgitcivil@gmail.com

Phone. No: 8125617265

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



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Website : [www.drsgiet.ac.in](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

Title of the Programme : A Two Week Certificate Programme on PILE FOUNDATIONS  
Faculty Name: Dr.Y. Eswara Rao  
Academic Year : 2019-2020

19-08-2019	Introduction
20-08-2019	Classification of Piles, Classification of Concrete Piles
21-08-2019	Pre Caste Piles, Cast in – SITU Piles
22-08-2019	Load Carrying Capacity of Soils
24-08-2019	Axial Load- Carrying Capacity of Single Piles
23-08-2023	Critical Depth of Piles
26-08-2019	Critical Depth of Piles
27-08-2019	Pile Capacity from Field Tests
28-08-2019	Axial Load-Carrying Capacity of Group of Piles
29-08-2019	Spacing, Settlement of the Pile Group
30-08-2019	Under-reamed Piles
31-08-2019	Tests on piles-pile load test, Vertical load Test on Piles.

  
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)

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Website : www.drsgiet.ac.in  
e-mail : sgit.principal@gmail.com  
drsgit\_35@yahoo.co.in

College Code : 35

Department: CIVIL ENGINEERING

Academic Year: 2019-2020

Course Name: A Two weeks Certificate program on Pile Foundations

Schedule: 19.08.2019 to 31.08.2019

Year: IV B.Tech

List of students Enrolled/Completed: 47/44

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	16351A0101	M. ANITHA	M. Anitha
2	16351A0103	V. BRAMHESH	V. Bramhesh
3	16351A0105	B. CHINNA NAGESH	B. Chinna nagesh.
4	16351A0106	P. DEVA DASU	P. Deva Dasu
5	16351A0107	D. DHANALAKSHMI	D. dhanalakshmi
6	16351A0108	K. DILIP KUMAR	K. Dilip kumar
7	16351A0109	P. GANGASEKHAR	P. gangasekhara
8	16351A0110	N. GAYATHRI	N. Gayathri
9	16351A0111	B. GOPIRAJU	B. Gopiraju
10	16351A0112	K. IMMANIYELU	K. Immaniyelu
11	16351A0113	K. INDIRA PRIYADARSHINI	K. priyadarshini
12	16351A0114	V. JHONSON	V. Jhonson.
13	16351A0115	B. JYOTHIBAI	B. Jyothi Bai
14	16351A0116	K. KAROLIN	K. KAROLIN
15	16351A0118	G. KRISHNA	G. Krishna
16	16351A0119	R. LAKSHMAIAH	R. Lakshmaiah
17	16351A0121	K. MAHESH BABU	K. mahesh Babu.
18	16351A0122	D. MANTHRU NAIK	D. Manthru Naik
19	16351A0123	K. MARIYADASU	K. mariya Dasu.
20	16351A0124	M. MASTAN	M. Mastan
21	16351A0125	A. PRAVEEN	A. Praveen
22	16351A0127	K. RANGASWAMY	K. Rangaswami
23	16351A0129	V. SAMUEL	V. Samuel.
24	16351A0130	CH. SHALEM RAJU	CH. Shalem Raju
25	16351A0131	M. SHARATH TEJA	M. Sharath Teja.
26	16351A0132	K. SIROMANI	K. Siromani
27	16351A0133	G. SIVA REDDY	G. Siva Reddy
28	16351A0134	B. SRINIVASA REDDY	B. Sriniva Reddy
29	16351A0135	Y. SUDHEER	Y. sudheer
30	16351A0136	G. SULOCHANA	G. Sulochana
31	16351A0137	Y. SUNIL KUMAR	Y. sunil kumar.
32	16351A0138	K. SURESH	K. Suresh
33	16351A0139	P. SURESH KUMAR	P. Suresh kumar.
34	16351A0140	M. SYAMASUNDARAM	M. SYAMASUNDARAM
35	16351A0142	D. USSAINBASHA	D. Ussain basha
36	16351A0143	G. VENKATA BHARGAVI	G. venkata Bhargavi
37	16351A0144	G. VENKATA SAI KUMAR	G. Venkata Sai Kumar.
38	16351A0145	M. VENKATA VARALAKSHMI	M. Venkata Varalakshmi
39	16351A0146	S. VIJAYALAKSHMI	S. Vijayalakshmi
40	17355A0101	M. ALLURIAIAH	M. Alluriah.
41	17355A0102	P. BAJI BABU	P. Baji Babu



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Website : www.drsgiet.ac.in  
e-mail : sgit.principal@gmail.com  
drsgit\_35@yahoo.co.in

College Code : 35

42	17355A0103	T. ISAK	T. ISAK
43	17355A0104	T. KALPANA	T. kalpana
44	17355A0105	K. MARIYA BABU	K. Mariya Babu
45	17355A0107	P.N. PRAMEELA	P.N. prameela
46	17355A0109	K. RAMESH	K. Ramesh.
47	16355A0109	I. NARAIHA	I. Naraiha

  
Programme Coordinator

  
**HOD OF CIVIL**  
Head of the Department  
Dept. of CIVIL ENGINEERING  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523320 Prakasam Dist.

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

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drsgit\_35@yahoo.co.in

College Code : 35

## PROGRAM REPORT

Name of the Program : A two week Certificate  
programme on **PILE FOUNDATIONS**  
Schedule of Program : 19-08-2019 to 31-08-2019  
Venue : Seminar Hall  
Organized by : Dept. of Civil  
Faculty : Dr.Y. Eswara Rao  
Designation : Professor of Civil Engineering  
Number of Participants : 47

### **Objectives of The Course are:**

- ♦ Cost, Economical, Materials available.
- ♦ Soil Classification.
- ♦ Test on Soils.
- ♦ Purpose, Requirement of Strength.
- ♦ Type of Structure
- ♦ Load carrying Capacity.
- ♦ Selection of piles.
- ♦ Design of piles.
- ♦ Test Conducting on piles.
- ♦ Life period fixation for design mix.

### **Topic Covered:**

Introduction - Classification of piles, Types of piles, Soil Classification and Test Method of Construction, Strength Parameters, Load Applications-Test Results. Selection of Structure, Design Load, Bearing Capacity of Soil, Test Procedures-Different types.

### **Out Comes of the Course:**

- ♦ Shape, Planning, Design.
- ♦ Selection of Piles.
- ♦ Construction Procedure.
- ♦ Tools and Equipment machinery used.
- ♦ Test results.
- ♦ Bearing Test Procedures and Results.

  
**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)**



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)


College Code : 35

## CIRCULAR

DATE: 09-08-2019

All the students of **II B Tech EEE** are hereby informed to attend "a two week Certificate Program on three phase transforms". And the Programming scheduled during from **16-08-2019 to 28-08-2019** 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 & Electronic Engineering  
Dr. SAMUEL GEORGE INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
MARKAPUR-523 316, Prakasam Dt., (A.P.)

## ABOUT THE COLLEGE

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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 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. K.V.S.NARAYANA

Principal

#### PATRON

PROF. CH. RAJABABU

Vice Principal

#### CONVENOR

M.VENKATESWARLU

Head of the Department

### Electrical & Electronics Engineering

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

## A TWO WEEK CERTIFICATE PROGRAMME ON

"THREE PHASE TRANSFORMERS"

16-08-2019 to 28-08-2019

#### CO-ORDINATOR

K.SURESH KUMAR

Department of

Electrical & Electronics  
Engineering

ORGANIZED BY

Department of

Electrical & Electronics  
Engineering

ORGANIZED BY

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

Markapur - 523 320.



## TARGET AREAS

Water power equation.

Classify the H.E.P based on heads.

Explain the layout dig.

High head.

Medium head.

Low head.

Explain the need of surge tank.

Explain the need of fore bay and spill gates.

Explain the main control sat of head works.

Explain the control of turbine and alternators.

Advantages and dis advantages of H.P.P

## 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 “HREE PHASE TRANSFORMES”

16-08-2019 to 28-09-2019

- 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 **HREE PHASE TRANSFORMES** 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 “3- $\phi$  T/F” 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

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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

**Title of the Certification:** a two week Certificate Program on three phase transforms


**Year:** II

**Faculty Name:** Mr. K.SURESH KUMAR

**Academic Year:** 2019-2020

16-08-2019	The methods of cooling system.
17-08-2019	List the special transformers.
19-08-2019	The procedure for tap changing .
20-08-2019	Different types of three phase transformers.
21-08-2019	Advantages of three phase transformers over single phase transformers.
22-08-2019	Function of each part in a power transformers.
23-08-2019	Applications of connections t.e star to delta and delta to star.
24-08-2019	Need for the parallel operation.
26-08-2019	Expression for saving of copper in auto transformers .
27-08-2019	Three phase auto transforms.
28-08-2019	Main parts of power transformers.

  
Programme Coordinator

  
HOD OF EEE  
HEAD OF THE DEPARTMENT  
Electrical & Electronic Engineering  
Dr. SAMUEL GEORGE INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
MARKAPUR-523316, 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



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: 2019-2020

Name of the Program: a two week Certificate Program on three phase transforms

List of students Enrolled/Completed: 39

S.NO	H.T. NUMBER	NAME OF THE CANDIDATE	SIGNATURES
1.	17351A0227	R SOMAR NAIK	R. Somar Naik
2.	18351A0203	B CHATHANYA KUMAR	B. Chathanya Kumar
3.	18351A0204	SK DADAPEER	SK. Dadapeer
4.	18351A0205	S KANNI	S. KANNI
5.	18351A0206	M LAKSHMI PARAVATHI	M. Lakshmi Paravathi
6.	18351A0207	A MAHESH	A. Mahesh
7.	18351A0208	M MAHESH	M. Mahesh
8.	18351A0210	B MANI KIRAN	B. Mani Kiran
9.	18351A0211	R MOUNIKA BAI	R. Mounika bai
10.	18351A0212	B NAGAMMA	B. Nagamma
11.	18351A0213	M NAGAMUNI	M. Nagamuni
12.	18351A0214	K NAGENDRA	K. Nagendra
13.	18351A0217	Y OBULAMMA	Y. Obulamma
14.	18351A0218	J PRIYANKA	J. Priyanka
15.	18351A0219	D PUSPA	D. PUSPA
16.	18351A0220	K RAJA MANOHAR	K. Raja manohar
17.	18351A0221	U RAJESH	U. Rajesh
18.	18351A0222	M RAJESWARI	M. Rajeswari
19.	18351A0223	T RAMANJANEYULU	T. Ramananeyulu
20.	18351A0224	T RAMESH	T. Ramesh
21.	18351A0225	M RANGA SWAMY	M. Ranga Swamy
22.	18351A0226	S RAVI KUMAR	S. Ravi Kumar
23.	18351A0227	G SAI KUMAR	G. Sai Kumar
24.	18351A0229	M SHOBA RANI	M. Shoba Rani
25.	18351A0230	V SOURI RAJULU	V. Souzi Rajulu
26.	18351A0232	J SUBBAIAH	J. Subbaiah
27.	19355A0201	K ANJANEYULU	K. Anjaneyulu
28.	19355A0202	V ARUN KUMAR	V. Arun Kumar
29.	19355A0203	G JAYA NIRMALA	G. Jaya Nirmala
30.	19355A0204	P MAHESH	P. Mahesh
31.	19355A0205	T NABEE RASOOL	T. Nabee Rasool
32.	19355A0206	E PAWAN KALYAN	E. Pawan kalyan
33.	19355A0207	V PRAVALLIKA	V. pravallika
34.	19355A0208	V RAJESWARA REDDY	V. Rajeswara Reddy
35.	19355A0209	M RAKWESH	M. Rakwesh
36.	19355A0210	Y SANDYA	Y. SANDYA
37.	19355A0211	B THIRUPATHAMMA	B. Thirupathamma

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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

38.	19355A0212	T VENKATASWAMY	T. Venkateswamy.
39.	19355A0213	G VINOD	G. Vinod.

  
Programme Coordinator

  
HOD OF EEE

HEAD OF DEPARTMENT  
Electrical & Electronics 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](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAM REPORT

Name of the Program : a two week Certificate Program on three phase transforms  
Schedule of program : 16-08-2019 to 28-08-2019  
Venue : Seminar Hall  
Organized by : Dept of EEE  
Faculty : Mr.k.suresh kumar

☐ Designation: associate professor

Number of Participants : 39

### Objectives of this Course are:

The participants will be introduced to Necessity

1. Need for the parallel operation.
2. List the special transformers.
3. The methods of cooling system.

### Learning Outcomes

After going through this course the student will be able to

1. Expression for saving of copper in auto transformers .
2. The procedure for tap changing .
3. Different types of three phase transformers.
4. Advantages and disadvantages of auto transformers.

Programme Coordinator

HOD OF EEE

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

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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE: 09-08-2019

All the students of **III B Tech EEE** are hereby informed to attend "a two week Certificate Program on energy conservation". And the Programming scheduled during from **16-08-2019 to 28-08-2019** 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  
Electronics Engineering  
Dr. SAMUEL GEORGE INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
MARKAPUR-523 316, Prakasam D.L., (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 equipped 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. K.V.S.NARAYANA

Principal

#### PATRON

PROF. CH. RAJABABU

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.



# Dr.SGIT



## A TWO WEEK CERTIFICATE PROGRAMME ON

"non-conventional energy"

16-08-2019 to 28-08-2019

#### CO-ORDINATOR

Y.YEDUKONDALU

### 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

Working Of solar power plant.

Difference between non-conventional and conventional

Working Of tidal power plant.

Working Of wind power plant.

Working Of biomass power plant.

Advantages of non-conventional energy.

Need for energy conservation.

Benefits of energy conservation.

Methods energy conservation.

Necessity of developing non-conventional method of p

## 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

” non-conventional energy”

16-08-2019 to 28-08-2019

• 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 the A two week certificate programme on non-conventional energy 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 “ non-conventional energy ” Dept of Electronics and communication Engineering,

DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY

MAIL ID: YEDUKONDALU@GMAIL.COM

PHONE. NO: 9866521498

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



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

**Title of the Certification:** A Two week Certificate Program on Energy Conservation

**Year:** III EEE

**Faculty Name:** Mr. M.VENKATESWARLU

**Academic Year:** 2019-2020

16-08-2019	Introduction to Energy Conservation
17-08-2019	Need for energy conservation.
19-08-2019	Benefits of energy conservation.
20-08-2019	Methods of energy conservation.
21-08-2019	Applications of new technologies.
22-08-2019	Saving of energy for future.
23-08-2019	Saving of fuel reduction.
24-08-2019	Formulation of energy conservation.
26-08-2019	Need for energy conservation.
27-08-2019	Benefits of energy conservation.
28-08-2019	Methods of energy conservation.

  
Programme Coordinator

  
HOD OF EEE

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

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e-mail : sgiet.principal@gmail.com  
drsgiet\_35@yahoo.co.in

College Code : 35

Department: EEE

Academic Year: 2019-2020

Name of the Program: a two week Certificate Program on energy conservation

List of students Enrolled/Completed: 46

S.NO	H.T. NUMBER	NAME OF THE CANDIDATE	SIGNATURES
1.	17351A0201	DANDABOYENA AASI	D. Aasi
2.	17351A0202	YENIBERA CHENNAKESAVULU	Y.Chennakesavulu
3.	17351A0203	KOTA CHINNA LINGAIAH	K.Chinna Lingiah
4.	17351A0204	VALERU CHINNA NAGAIHA	V. chinna nagaiha
5.	17351A0205	POTLA DHARMARAJU	P. DHARMARAJU
6.	17351A0206	BONALA GANGAMAHENDRA	B.Gangamahendra
7.	17351A0207	MOTAPOTHULA JOSEPH	M. Joseph
8.	17351A0208	BEJAWADA KIRAN	B. Kiran
9.	17351A0209	MUNDLA KIRANKUMAR	M. Kiran Kumar
10.	17351A0210	BADVEETI LOKESHWAR	B. Lokeshwar
11.	17351A0211	BODICHERLA MARY JOY	B. Mary Joy
12.	17351A0212	MALA MUDDUKRISHNA	M. Muddukrishna
13.	17351A0213	KORIGEM NAVEEN	K. Naveen
14.	17351A0214	VEERADASU NAVEENKUMAR	V. Veeradasu Naveenkumar
15.	17351A0215	YALLAMANTI PAVANKUMAR	Y. Pawan Kumar
16.	17351A0216	BONDALAPATI PRABHAKAR	B. prabhakar
17.	17351A0217	RAYALLA PRASANTHI	P. prasanthi
18.	17351A0218	BESTHA PRAVEENKUMAR	B. praveen kumar
19.	17351A0219	TELUGU RAJESH	T. Rajesh
20.	17351A0220	KATE RAJKUMAR	K. Rajkumar
21.	17351A0221	BOINI RAKESH	B. Rakesh
22.	17351A0222	KONGALETI RAVI KUMAR	K. Ravikumar
23.	17351A0223	YENDLURI RUBEN	Y. Ruben
24.	17351A0224	TALARI SANDEEP	T. sandeep
25.	17351A0225	JALLI SATISH	J. satish
26.	17351A0226	SHAIK SHAJITH	S. shajith
27.	17351A0227	R. SOMASEKHAR NAIK	R. Somasekhar Naik
28.	17351A0229	VENNAM SREENU	V. Sreenu
29.	17351A0231	YARRAMPALLI SURESH	Y. Suresh
30.	17351A0232	A. VENKATANARAYANA	A. Venkatanarayana
31.	17351A0233	BOYALAPALLI VIJAYKUMAR	B. vijay kumar
32.	17351A0234	PALLEPOGU VINAY KUMAR	P. vinay kumar
33.	17351A0235	THIRUPATI VISHNU	T. vishnu
34.	18355A0201	K. ABHINAV	K. Abhinav
35.	18355A0202	N.GIDYONU	N. Gidyonu
36.	18355A0203	A.KAVYA	A. kavya
37.	18355A0204	B.MANJUNATH	B. manjunath
38.	18355A0205	V.MANOJ KUMAR	V. manoj kumar
39.	18355A0206	K.NAGA BABU	K. NAGA BABU
40.	18355A0207	S.NAGUR BASHA	S. Nagur basha
41.	18355A0208	M.PRASANNA	M. prasnna
42.	18355A0209	CH.PRUDHVIRAJ	CH. Prudhviraj
43.	18355A0210	B.SHYAM SUDHAKAR	B. Shyam sudhakar



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

44.	18355A0211	K.SRINIVARA REDDY	K. Srinivasa Reddy
45.	18355A0212	CH.VANEESH	CH. Vaneesh
46.	18355A0213	SK.MAHAMMAD ANWAR	SK. Mohammad Anwar

  
Programme Coordinator

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

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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 energy conservation  
Schedule of program : 16-08-2019 to 28-08-2019  
Venue : Seminar Hall  
Organized by : Dept of EEE  
Faculty : Mr.M.Venkateswarlu  
Designation: associate professor  
Number of Participants : 46

### Objectives of this Course are:

The participants will be introduced to Necessity

1. Energy Conservation and Management.
2. Advanced in PS in HVDC/SCADA/FACTS.
3. Recent Trends on PE & Drives.

### Learning Outcomes

After going through this course the student will be able to

- 1 industrial Drive & Automation using PLC..
- 2 .Improvement of power Quality .
3. Modeling and Simulation.

  
Programme Coordinator

  
HOD OF EEE

HEAD OF THE DEPARTMENT  
Electrical & Electronics Engineering  
Dr. Samuel George Institute of Engineering & Technology  
ENGG-35, Prakasham Rd, (A.P)  
MARKAPUR-523 316, Prakasham Rd, (A.P)



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE: 09-08-2019

All the students of **III B Tech EEE** are hereby informed to attend "a two week Certificate Program on non-conventional energy". And the Programming scheduled during from **16-08-2019 to 29-08-2019** by **Mr.Y.YEDUKONDALU**. He will deliver the valuable information on Respective program. All the students must participate and make your career enlighten.

*Y. Yedukondalu*  
Programme Coordinator

*[Signature]*  
HEAD OF THE DEPARTMENT  
Electronics Engineering  
HOD OF EEE  
Dr. SAMUEL GEORGE INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
MARKAPUR-523 316, Prakasam DL., (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.

## 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, etc. 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. K.V.S.NARAYANA

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.



**Dr.SGIT**



## A TWO WEEK CERTIFICATE PROGRAMME ON

"ENERGY CONSERVATION"

14-08-2020 TO 27-08-2020

### 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

Introduction

Classifications of resistances.

Measurement of low resistance.

Measurement of medium resistance.

Measurement of high resistance.

Ohmmeter

Series ohmmeter.

Shunt ohmmeter.

Difference between Series ohmmeter and Shunt ohmmeter.

Wheatstone bridge

Measurement of earth resistance.

Methods of Measurement of earth resistance.

## 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 "ENERGY CONSERVATION"

14-08-2020 TO 27-08-2020

- 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 measurement of resistance at Dept of Electrical and Electronics 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 " measurement of resistance" in Electronics and communication Engineering,  
DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
MAIL ID: [EEEHOD@GMAIL.COM](mailto: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 non-conventional energy .

**Year:**IV

**Faculty Name:** Mr.Y.YEDUKONDALU

**Academic Year:** 2019-2020

16-08-2019	Introduction.
17-08-2019	Working Of solar power plant.
19-08-2019	Difference between non-conventional and conventional energy.
20-08-2019	Working Of tidal power plant.
21-08-2019	Working Of wind power plant.
22-08-2019	Working Of biomass power plant.
23-08-2019	Advantages of non-conventional energy.
24-08-2019	Need for energy conservation.
26-08-2019	Benefits of energy conservation.
27-08-2019	Methods energy conservation.
28-08-2019	Necessity of developing non-conventional method of power generation.

  
Programme Coordinator

  
HEAD OF THE DEPARTMENT  
Electronics Engg.  
Dr. Samuel George Institute of Engineering & Technology  
MARKAPUR-523 315, Prakasam District, 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

Department: EEE

Academic Year: 2019-20

Name of the Program: a two weeks Certificate Program on non-conventional energy

List of students Enrolled/Completed: 35

S.NO	H.T. NUMBER	NAME OF THE CANDIDATE	SIGNATURES
1.	16351A0201	N.AMULAYA	N. Amulaya
2.	16351A0202	M.ANAND BABU	M. Anand Babu
3.	16351A0203	T.ANUSHA	T. Anusha
4.	16351A0204	Y.ANUSHA	Y. Anusha
5.	16351A0205	G.DIVYA	G. Divya
6.	16351A0206	M.IVANGILIN SONY	M. Ivangilin Sony
7.	16351A0207	O.JESSYBULA	O. Jessybula
8.	16351A0208	M.KAVERY BAI	M. Kaveri Bai
9.	16351A0209	G.K.MURTHY	G. K. Murthy
10.	16351A0210	E.MALLESWARI	E. Malleswari
11.	16351A0211	V.MASTHAN	V. Masthan
12.	16351A0212	M.MOHAN BABU	M. Mohan Babu
13.	16351A0213	B.MOUNIKA	B. Mounika
14.	16351A0214	M.MUNEENDRAMMA	M. Muneendramma
15.	16351A0216	S.NAGENDRA	S. Nagendra
16.	16351A0217	S.NARENDRA	S. Narendra
17.	16351A0218	H.PAVAN KUMAR	H. Pavan Kumar
18.	16351A0219	N.PURUSHOTHAM	N. Purushotham
19.	16351A0220	K.RAJA SEKHAR	K. Raja Sekhar
20.	16351A0221	S.RAJU	S. Raju
21.	16351A0222	A.RAJESH	A. Rajesh
22.	16351A0224	M.ROJA	M. Roja
23.	16351A0225	CH SAIDA RAO	Ch. Saida Rao
24.	16351A0226	V SAI RANGA	V. Sai Ranga
25.	16351A0227	K.SHAHINI	K. Shahini
26.	16351A0228	M.SONIYA	M. Soniya
27.	16351A0229	M.SRIRAM TEJA	M. Sriram Teja
28.	16351A0230	G.SUJATHA	G. Sujatha
29.	16351A0231	T.SUPRIYA	T. Supriya
30.	16351A0232	I.VENAKTESWARLU	I. Venakteswarlu
31.	17351A0203	K MAHESH	K. Mahesh
32.	17351A0204	D MOJES	D. Mojes
33.	17351A0207	K SARATH	K. Sarath
34.	17351A0208	R SRINIVASULU	R. Srinivasulu
35.	17351A0209	K.V.SURESH BABU	K. V. Suresh Babu

R. yedukondalur  
Programme Coordinator

HOD OF EEE  
Dr. Samuel George Institute of Engineering & Technology  
MARKAPUR-523 316, Prakasam D.D. Road

# Dr. Samuel George Institute of Engineering & Technology



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAM REPORT

Name of the Program : a two weeks Certificate Program on non-conventional energy  
Schedule of program : 16-08-2019 to 29-08-2019  
Venue : Seminar Hall  
Organized by : Dept of EEE  
Faculty : Mr.Y.YEDUKONDALU  
Designation: associate professor  
Number of Participants : 35

### Objectives of this Course are:

1. Difference between non-conventional and conventional energy.
2. Working Of tidal power plant.
3. working Of wind power plant.

### Learning Outcomes

After going through this course the student will be able to

- 1 .Disadvantages of biomass power plant.
2. Classifications of non-conventional energy sources.
3. Necessity of developing non-conventional method of power generation.

*Y. Yedukondalu*  
Programme Coordinator

*[Signature]*  
HEAD OF THE DEPARTMENT  
HOD OF EEE  
ENGINEERING & TECHNOLOGY  
MARKAPUR-523 316, Prakasam DL. (A.P.)





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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

DATE: 27-01-2020

## CIRCULAR

All the students of **II B Tech II SEM MECHANICAL ENGINEERING** are hereby informed to attend the "A two week Certificate Programme on **CATIA**". The Programme scheduled from **03-02-2020 to 15-02-2020** 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**  
**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. The college has sharpened, shaped 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 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 has 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-the-art equipment. It has monumental blocks – Dr. 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 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.K.V.S. Narayana**  
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

**"CATIA"**

**03-02-2020 to 15-02-2020**

### CO-ORDINATOR

**D. RAMESH BABU**  
Department of  
Mechanical Engineering

### ORGANIZED BY

Department of  
Mechanical Engineering

**Dr. Samuel George Institute of  
Engineering & Technology, Affiliated to  
JNTUK,  
Markapur-523316.**

*Handwritten signature in green ink.*  
**PRINCIPAL**  
**Dr. Samuel George Institute of Engineering & Technology**  
**MARKAPUR-523316, Prakasam Dist.**



## TARGET AREAS

- Disciplined system, rendering technology, and sketching, multi-platform development, active collaboration, market compliance, and engineering insights.
- CATIA is most widely used in many industries such as automotive, defense, aerospace, and industrial equipment.

## 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 II Sem ME 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 "CATIA"

03-02-2020 to 15-02-2020

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

*Handwritten signature*  
**PRINCIPAL**  
Dr. SAMUEL GEORGE INSTITUTE  
OF ENGINEERING & TECHNOLOGY  
MARKAPUR-523 315,Prakasam Dist

## 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 CATIA" 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  
CATIA"

Dept of Mechanical Engineering,

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

Mail ID: assis.s08@gmail.com

Phone No: 9949725636





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

Website : [www.drsgiet.ac.in](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

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

Year: II B Tech II Sem

Faculty Name: D. Ramesh Babu

Academic Year: 2019-2020

03-02-2020	<b>CATIA as a CAD software</b> - Concept of Parametric Modeling, Feature Based Modeling, User Interface, Mouse operations, File types and Management,
04-02-2020	<b>Sketcher</b> : Profile toolbar, operation(corner, chamfer,relimitations, transformations, project 3D element), constraints, types of constraints, workbench, sketch tools.
05-02-2020	<b>Modeling of Machined component</b> , Material Addition and Removal (Pad, Pocket, Shaft, Groove), Sketch and Positioned Sketch, Types of Fillets, Types of Chamfer, Types of Hole, Pattern (Rectangular, Circular, User) , Thread/Tap.
06-02-2020	<b>Advance Design features</b> : Axis System, Types of draft, Shell, Stiffener, rib slot, Multisession solid, Removed multisession solid, Apply Material, Measure, Render, Introduction To Multibody
07-02-2020	<b>Multibody concept</b> : Standered example , Negative body concept (Boolean Operations), <b>Advance Features</b> : Parameters, Formula, Relations, Design Table.
08-02-2020	Introduction To <b>Drafting &amp; Detailing Theory</b> :- (types Generative – Interactive), Initial Drafting setting, Sheet Background, Views (Ortho, ISO), Dimensions (Types Generate Dimension & Create Dimension)
10-02-2020	<b>Views</b> : (Aux, Section, Details, Clipping, Broken), View properties, DATUMS & Tolerance, <b>Annotations</b> - GD & T, Symbols, Note, Leaders, Table, Symbols (Machining, Roughness, Welding, Custom), Dress-up Toolbar
11-02-2020	<b>Surfacing Modeling based Plastic Component</b> : Environment, Tool bars, Surface Creation (Extrude, Revolve, Sphere, Cylinder), Surface Modification, Surface Editing ( Trim, Split, Shape Fillet, Close Surface, Thickness).
12-02-2020	<b>Surfacing</b> : Offset(All 3 types), Fill, Blend, Join, healing, Project-Combine, <b>Advanced Surfacing</b> : Adaptive Sweep, Sweep(ALL), Multisession Surface.
13-02-2020	<b>Wire-frame Modeling</b> :- Point, Line, Planes, Curves, Circle-Conic, STANDARD EXAMPLES. Use of wire frame modeling,
14-02-2020	<b>BIW Templates</b> :- What is BIW, Junction, Diabolo, Hole, Mating Flange, Bead, Blend Corner
15-02-2020	<b>A TOP DOWN Approach</b> :- Part, Product, Component, Space Analysis, Reuse Pattern, Save management, <b>Assembly Drafting</b> - Bill of material, Ballon creation, Graph Tree Reordering.

Programme Coordinator

HOD OF ME  
Mechanical Engineering  
Dr. Samuel George Institute of Engineering & Technology  
MARKAPUR-523 320, Markapur (M), Prakasam Dist. 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

**Name of the Program:** A two week Certificate Programme on CATIA

**List of students Enrolled/Completed: 48**

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	18351A0301	K. ADINARAYANA	K. Adi Narayana
2	18351A0302	M. BALAIAH	M. Balaiah
3	18351A0303	M. BALA KRISHNA	M. Bala Krishna
4	18351A0304	V. BASAVA RAJU	V. Basava Raju.
5	18351A0305	K. BETTESEY DAYANA	K.B. Dayana
6	18351A0306	S. BHAVANI	S. Bhavani
7	18351A0307	N. CHANDRA KIRAN REDDY	N. Chandra kiran Reddy
8	18351A0308	S. CHANDRA SHEKAR	S. Chandra Shekhar
9	18351A0309	S. CHENNAKESAVA	S. Chennakesava
10	18351A0310	M. DIWAKAR NAIK	M. Diwakar Naik
11	18351A0311	B. HEMAVATHI	B. Hemavathi
12	18351A0312	Y. INDRAKESHA REDDY	Y. Indraksha Reddy
13	18351A0313	S. JAGADEESH	S. Jagadeesh
14	18351A0314	J. JAYA SIMHA REDDY	J. Jaya Simha Reddy.
15	18351A0315	D. KHASIMPEERA	D. Khasimpeera
16	18351A0316	D. KIRAN	D. Kiran
17	18351A0317	M. KISHORE	M. Kishore.
18	18351A0318	D. MADHU SUDHAN REDDY	D. Madhu Sudhan Reddy
19	18351A0320	O. MAHESH	O. Mahesh.
20	18351A0321	M. MANOJ	M. Manoj
21	18351A0322	E. NAGARAJU	E. Nagaraju
22	18351A0324	P. OBULESU	P. Obulesu
23	18351A0325	D. PRASHANTH	D. Prashanth
24	18351A0326	K. RENUKA BAI	K. Renuka bai.
25	18351A0327	M. SAI MANIKANTA	M. Sai manikanta
26	18351A0328	N. SAI NIRANJAN REDDY	N. S. N. Reddy
27	18351A0330	G. SREENIVASULU	G. Sreenivasulu
28	18351A0332	K. TEJA	K. Teja
29	18351A0333	SK. THANISHA	SK. Thanisha
30	18351A0334	D. VAMSI	D. Vamsi



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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	SIGNATURE OF THE STUDENT
31	18351A0335	D. VENKATESH NAIK	D. Venkatesh Naik
32	18351A0336	N. VENUGOPALA SWAMY	N. Venugopala Swamy
33	19355A0301	M. ABDULLA	M. Abdulla
34	19355A0302	SK. ABDUL MASOOD	SK. Abdula Masood
35	19355A0303	Y. AKHIL KUMAR	Y. Akhil Kumar
36	19355A0304	P. ARAVIND KUMAR	P. A. Kumar
37	19355A0305	K. GOVARDHAN	K. Govardhan
38	19355A0306	B. HARISH KUMAR	B. Harish Kumar
39	19355A0307	K. JAGADEESWARA REDDY	K. Jagadeeswara Reddy
40	19355A0308	SD. MUZAHID	SD. Muzahid
41	19355A0310	K. PAVAN	K. Pavan
42	19355A0311	M. PAVAN KUMAR	M. Pavan Kumar
43	19355A0312	M. PRASHANTH	M. Prashanth
44	19355A0313	CH. RAMESH	Ch. Ramesh
45	19355A0314	P. SIVA KUMAR	P. Siva Kumar
46	19355A0315	K. VENKATA SAI SIVA REDDY	K.V.S. Reddy
47	19355A0316	M. VENKATA SIVA RAMULU	M. Venkata Siva Ramulu
48	19355A0317	S. VENKATESWARLU	S. Venkateswarlu

*(Signature)*

Programme Coordinator

*(Signature)*  
HOD OF ME

Mechanical Engineering  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523 320, Prakasam Dist. A.P.



# Dr. Samuel George Institute of Engineering & Technology



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAM REPORT

Name of the Program : A two week Certificate Programme on

### CATIA

Schedule of program : 03-02-2020 to 15-02-2020

Venue : Seminar Hall

Organized by : Dept of MECHANICAL ENGINEERING

Faculty : Mr D. RAMESH BABU

Designation : Associate Professor

Number of Participants : 48

### Objectives of the Course:

- Computer Aided Three-dimensional Interactive Application (CATIA) is a computer-aided design software developed by Dassault Systèmes.
- It is primarily used to design, simulate and analyse complex engineering systems, such as aircraft, ships, cars, industrial machinery, and consumer goods.

### Topics Covered:

- The modules in CATIA are Mechanical design, Analysis and Simulation, Shape Design, Digital Mockup, Machining, Assembly, etc

### Outcomes of the Course:

- CATIA is a gigantic application that anyone interested in product designing, 3D design.
- 3D digital mockup and users passionate about developing and creating new products can learn.
- The software incorporates various approaches in designing,
- Developing products that allow users to use updates and advanced tools.

Programme Coordinator

HOD of ME  
Mechanical Engineering  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523 320, Prakasam Dist.

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drsgit\_35@yahoo.co.in

College Code : 35

DATE: 09-09-2019

## CIRCULAR

All the students of **III B Tech I SEM MECHANICAL ENGINEERING** are hereby informed to attend the "A two week Certificate Programme on **RECENT ADVANCES IN COMPOSITE MATERIAL IN ENGINEERING APPLICATIONS.**" The Programme scheduled from **16-09-2019 to 28-08-2019** and delivered by **Mrs.M.V.SIRISHA**. She 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 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 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 has 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 the art equipment. It has monumental blocks – Dr.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-MEGH intake is 60 and PG-Thermal Engineering intake is 24. The Department of Mechanical Engineering 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.K.V.S. Narayana**  
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

**"RECENT ADVANCES IN  
COMPOSITE MATERIAL IN  
ENGINEERING APPLICATIONS"**

**16-09-2019 to 28-09-2019**

#### CO-ORDINATOR

**Mrs. M V Sirisha**  
Department of  
**Mechanical Engineering**

#### ORGANIZED BY Department of

**Mechanical Engineering**

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

**Dr. Samuel George Institute of  
Engineering & Technology, Affiliated to  
JNTUK,  
Markapur-523316.**



## TARGET AREAS

- The future of the advanced composite materials is extremely bright.
- Aerospace and defense are just two of the many market segments that will see a large increase in the use of these materials

## 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 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 "RECENT ADVANCES IN COMPOSITE MATERIAL IN ENGINEERING APPLICATIONS"

16-09-2019 to 28-09-2019

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

*teml*  
**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 here  
by permitted to attend the "A two week certificate  
programme on RECENT ADVANCES IN  
COMPOSITE MATERIAL IN ENGINEERING  
APPLICATIONS " 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 Recent  
Advances in Composite material in engineering  
applications"

Dept of Mechanical Engineering,

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

Mail ID:yadav.sirisha@gmail.com

Phone No: 9491508508





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

Website : [www.drsgiet.ac.in](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

Title of the Certification: A two week Certificate Programme on **RECENT ADVANCES IN COMPOSITE MATERIAL IN ENGINEERING APPLICATIONS**

Year: **III B Tech I Sem**

Faculty Name: **Mrs. M.V.Sirisha**

Academic Year: **2019-2020**

16-09-2019	Introduction: Definitions, Composites, Reinforcements and matrices, Types of reinforcements, Types of matrices, Types of composites.
17-09-2019	Carbon Fiber composites, Properties of composites in comparison with standard materials, Applications of metal, ceramic and polymer matrix composites.
18-09-2019	Manufacturing methods : Hand and spray lay - up, injection molding, resin injection, filament winding, pultrusion, Centrifugal casting & prepregs.
19-09-2019	Fiber/Matrix Interface, mechanical. Measurement of interface strength. Characterization of systems; carbon fibre/epoxy, glass fibre/polyester, etc.
20-09-2019	Mechanical Properties -Stiffness and Strength: Geometrical aspects – volume and weight fraction. Unidirectional continuous fiber,
21-09-2019	Discontinuous fibers, Short fiber systems, woven reinforcements –Mechanical Testing.
23-09-2019	Determination of stiffness and strengths of unidirectional composites; tension, compression, flexure and shear.
24-09-2019	Laminates : Plate Stiffness and Compliance, Assumptions, Strains, Stress Resultants, Plate Stiffness and Compliance.
25-09-2019	Computation of Stresses, Types of Laminates -, Symmetric Laminates, Antisymmetric Laminate, Balanced Laminate.
26-09-2019	Quasi-isotropic Laminates, Cross-ply Laminate, Angleply Laminate. Orthotropic Laminate, Laminate Moduli, Hygrothermal Stresses.
27-09-2019	Joining Methods and Failure Theories : Joining –Advantages and disadvantages of adhesive.
28-09-2019	Mechanically fastened joints. Typical bond strengths and test procedures.

*M.V. Sirisha*  
Programme Coordinator

*[Signature]*  
**HOD OF ME**  
Mechanical Engineering  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523 320, Prakasam Dist.



# 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

**Name of the Program:** A two week Certificate Programme on **RECENT ADVANCES IN COMPOSITE MATERIAL IN ENGINEERING APPLICATIONS**

**List of students Enrolled/Completed: 54**

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	17351A0301	G. ANIL KUMAR	G. Anil kumar
2	17351A0302	CH. BABAVALI	CH. Babavali
3	17351A0303	M. CHAITANYA	M. chaitanya
4	17351A0304	Y. DHARMENDRA	Y. Dharmendra
5	17351A0305	V. GALI REDDY	V. gali reddy
6	17351A0306	M. GANGADHAR	M. gangadhar
7	17351A0307	K. GURUMURTHY	K. Gurumurthy
8	17351A0308	M. GURUPRASAD	M. Guruprasad
9	17351A0309	Y. JAYAPPAUL	Y. Jayapaul
10	17351A0310	V. KARUNAKAR	V. Karunakar
11	17351A0311	U. KAVYA	U. Kavya
12	17351A0312	SK. KHALEEL BASHA	Sk. khalil Basha
13	17351A0313	J. KIRAN KUMAR	J. Kiran kumar.
14	17351A0315	SK. MAHAMMAD JABIVULLA	SK. mahammad jabirulla
15	17351A0316	CH. MAHAMMAD SHAREEF	CH. M. shareef
16	17351A0317	V.S. MAHENDRA REDDY	V.S. m. Reddy
17	17351A0318	A. MAHESH BABU	A. mahesh Babu
18	17351A0319	M. MANOJ KUMAR	M. Manoj kumar
19	17351A0320	SK. MANSOOR AHAMMAD	SK. Mansoor Ahamed
20	17351A0321	T. MUNIRANGADU	T. Munirangadu
21	17351A0322	A. MUTHU	A. Muthu
22	17351A0323	T. NAVEEN KUMAR	T. Naveen kumar.
23	17351A0324	G. OBULESU	G. Obulesu.
24	17351A0326	G. PREM CHAND	G. Prem Chand
25	17351A0327	N. PREM KUMAR	N. prem kumar
26	17351A0328	H. RAJESH	H. Rajesh.
27	17351A0329	K. RAJESH	K. Rajesh
28	17351A0330	V. RAJKUMAR NAIK	V. Rajkumar Naik.
29	17351A0331	V. SAI KRISHNA	V. Sai Krishna
30	17351A0332	G. SAI KUMAR	G. Sai Kumar





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e-mail : sgit.principal@gmail.com  
drsgit\_35@yahoo.co.in

College Code : 35

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
31	17351A0333	G. SIVA KRISHNA	G. Siva Krishna
32	17351A0334	P. SURESH	P. Suresh
33	17351A0335	D. SWAPNA	P. Swapna
34	17351A0336	P. VENKANNA	P. Venkanna
35	17351A0337	V. VENKATA RAO	V. V. Rao
36	17351A0339	K. VENKATESWARA RAO	K. Venkateswara Rao
37	17351A0340	P. VENUGOPAL	P. Venugopal
38	17351A0341	D. VIJAY KUMAR	D. Vijay Kumar
39	17351A0342	P. YESAIAH	P. Yesaiah
40	17351A0343	K. YESU BANGARAIH	K. Yesu Bangarai
41	18355A0301	SK. ALLANABI	Sk. Allanabi
42	18355A0302	B. BALA RAJU	B. Balaraju
43	18355A0303	G. CHARLESS	G. Charles
44	18355A0304	K. KIRAN KUMAR NAIK	K. K. Kumar Naik
45	18355A0305	K. MANISH	K. Manish
46	18355A0306	N. NARENDRA KUMAR	N. Narendra Kumar
47	18355A0307	P. PRASAD NAIK	P. Prasad Naik
48	18355A0308	Y. RAJINI	Y. Rajini
49	18355A0309	G. RATNA BABU	G. Ratna Babu
50	18355A0310	T. VENKATA MANIKANTHA REDDY	T. Venkata Manikanta Reddy
51	18355A0311	B. VENKATA SAI	B. Venkata Sai
52	18355A0312	R. PRAKASH	R. Prakash
53	18355A0313	A. BHUVANESWARI	A. Bhavaneshwari
54	16351A0302	P. BALUDU	P. Baludu

M. V. Saighe  
Programme Coordinator

HOD OF ME  
Mechanical Engineering  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523 320, Prakasam Dist.

# Dr. Samuel George Institute of Engineering & Technology

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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAM REPORT

Name of the Program : A two week Certificate Programme on  
RECENT ADVANCES IN COMPOSITE MATERIAL IN ENGINEERING APPLICATIONS  
Schedule of program : 08-02-2021 to 20-02-2021  
Venue : Seminar Hall  
Organized by : Dept of MECHANICAL ENGINEERING  
Faculty : Mrs. M.V.Sirisha  
Designation : Associate Professor  
Number of Participants : 54

### Objectives of the Course:

- To understand the manufacturing processes of reinforcement fibers & matrices for composites,
- To understand the concept of tailored design philosophy
- To extend a knowledge of applications & selection of different composites in consideration of the properties and characteristics.
- To improve communication skills in English about engineering and technology.

### Topics Covered:


The four primary categories of composites are

- Polymer matrix composites (PMCs),
- Metal matrix composites (MMCs),
- Ceramic matrix composites (CMCs), and
- Carbon matrix composites (CAMCs).

### Outcomes of the Course:

- Individual constituents in components,
- The role of interface between the components,
- The consequences of joining fiber and matrix to form a unit,
- The consequences of joining together these unit to form a macro composites
- Design procedure with composites.

  
Programme Coordinator

  
HOD OF ME  
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Markapur, Prakasam District, A.P.





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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

**DATE: 12-08-2019**

## **CIRCULAR**

All the students of **IV B Tech I Sem MECHANICAL ENGINEERING** are hereby informed to attend the "A two week Certificate Programme on **CONCEPT DESIGN TO MANUFACTURING.**" The Programme scheduled from **19-08-2019 to 31-08-2019** and delivered by **Mr. K. VIJAYA KUMAR.** 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 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 has 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-the-art equipment. It has monumental blocks – Dr. 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 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.K.V.S. Narayana**  
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

**"CONCEPT DESIGN TO  
MANUFACTURING"**

**08-02-2021 to 20-02-2021**

### CO-ORDINATOR

**Mr. K. Vijaya Kumar**  
Department of  
**Mechanical Engineering**

### ORGANIZED BY

Department of  
**Mechanical Engineering**

**PRINCIPAL**

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

**Dr. Samuel George Institute of  
Engineering & Technology, Affiliated to  
JNTUK,  
Markapur-523316.**



## TARGET AREAS

- The five basic concepts of interior design are Balance, Harmony,
- Rhythm, Proportion and Scale and
- Focal Point.

## 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 "CONCEPT DESIGN TO MANUFACTURING"

19-08-2019 to 31-08-2019

• 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 CONCEPT DESIGN TO  
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

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

The Co-ordinator

A two week certificate programme on  
CONCEPT DESIGN TO  
MANUFACTURING"

Dept of Mechanical Engineering,

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

Mail ID: vijay.asw@gmail.com

Phone No: 9704156545





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Mobile : 9618257287, 9849332122  
Fax : +918596-223127

Website : [www.drsgiet.ac.in](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

Title of the Certification: A two week Certificate Programme on **CONCEPT DESIGN TO MANUFACTURE**

Year: **IV B Tech I Sem**

Faculty Name: **K. Vijaya Kumar**

Academic Year: **2019-2020**

19-08-2019	Design philosophy steps in Design process - General Design rules for manufacturability - basic principles of design Ling for economical production - Creativity in design.
20-08-2019	Materials: Selection of Materials for design Developments in Material technology - criteria for material selection - Material selection interrelationship with process selection process selection charts.
21-08-2019	Machining Process: Overview of various machining processes - general design rules for machining - Dimensional tolerance and surface roughness - Design for machining
22-08-2019	Ease - Redesigning of components for machining ease with suitable examples. General design recommendations for machined parts. Metal Casting: Appraisal of various casting processes
24-08-2019	Selection of casting process, - general design considerations for casting - casting tolerances - use of solidification simulation in casting design - product design rules for sand casting
26-08-2019	Metal Joining: Appraisal of various welding processes, Factors in design of weldments - general design guidelines - pre and post treatment of welds - effects of thermal stresses in weld joints - design of brazed joints.
27-08-2019	Forging - Design factors for Forging - Closed dies forging design - parting lines of dies drop forging die design - general design recommendations. Extrusion & Sheet Metal Work: Design guidelines for extruded sections
28-08-2019	Design principles for Punching, Blanking, Bending, Deep Drawing - Keeler Goodman Forming Line Diagram - Component Design for Blanking. Plastics: Viscoelastic and Creep behavior in plastics - Design guidelines for Plastic components - Design considerations for Injection Moulding.
29-08-2019	Assemble Advantages: Development of the assemble process, choice of assemble method assemble advantages social effects of automation, Automatic Assembly Transfer Systems: Continuous transfer, intermittent transfer, indexing mechanisms, and operator - paced free - transfer machine
30-08-2019	Design of Manual Assembly: Design for assembly fits in the design process, general design guidelines for manual assembly, development of the systematic DFA methodology, assembly efficiency
31-08-2019	classification system for manual handling, classification system for manual insertion and fastening, effect of part symmetry on handling time, effect of part thickness and size on handling time.

*K. Vijaya Kumar*  
Programme Coordinator

*[Signature]*  
HOD OF ME  
Dr. Samuel George Institute of  
Engineering & Technology  
Markapur (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 **CONCEPT DESIGN TO MANUFACTURE**

**List of students Enrolled/Completed: 41**

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	16351A0301	A. ANIL KUMAR	A. anil kumar
2	16351A0304	M. CHINNA SUBBAIAH	M. Chinna Subbaiah
3	16351A0305	M. DASU	M. Dasu
4	16351A0306	K. EESWARAIAH	K. Eeswariah
5	16351A0308	D. KALYAN KUMAR	D. Kalyan Kumar
6	16351A0310	K. KONDALA RAO	K. kondala Rao
7	16351A0311	R. LOKESH	R. Lokesh
8	16351A0312	SK. MABU VALI	Sk. Mabu Vali
9	16351A0314	P. MARIYA KUMAR	P. Mariya Kumar
10	16351A0315	K. MASTAN	K. Mastan
11	16351A0317	A. PRASAD	A. Prasad
12	16351A0318	G. PRAVEEN KUMAR	G. praveen Kumar
13	16351A0319	P. PRAVEEN KUMAR	P. Praveen Kumar
14	16351A0320	A. RAGHAVENDRA	A. Raghavendra
15	16351A0321	M. RAMA MADDILETI	M. Rama maddileti
16	16351A0322	V. RAMSAI	V. Ramsai
17	16351A0325	A. RAVI KUMAR	A. Ravi Kumar
18	16351A0327	M. REVATHI	M. Revathi
19	16351A0328	M. SAI	M. Sai
20	16351A0329	P. SANDEEP NAIK	P. Sandeep Naik
21	16351A0330	G. SANDESH	G. Sandesh
22	16351A0331	M. SIVA KRISHNA	M. Siva Krishna
23	16351A0332	E. SIVA KUMAR	E. Sivakumar
24	16351A0334	R. SWAROOP CHAITHANYA	R. chaithanya
25	16351A0335	P. TEJESHWAR RAO	P. Tejeshwar Rao
26	16351A0336	P. THARUN SAI	P. Tharun Sai
27	16351A0337	M. UDAYA KIRAN	M. Udaya Kiran
28	16351A0339	B. VENKATA KRISHNA GOVINDU	B. Venkata Krishna Govid.
29	16351A0340	D. VENKATA MADHUSUDHAN REDDY	D. Venkata madhusudhan Reddy
30	16351A0341	M. VENKATESH	M. Venkatesh





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 e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

S NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
31	16351A0342	Y. VIDYASAGAR	Y. Vidyasagar
32	17355A0304	A. GANASAINATHA REDDY	A. Ganasainatha Reddy
33	17355A0305	K. GURAVAIAH	K. Guravaiah
34	17355A0307	CH. KAMALAKAR	ch. Kamalakara
35	17355A0308	G. NAVEEN	G. Naveen
36	17355A0309	Y. RAJA RAJESWARI	Y. Raja Rajeswari
37	17355A0310	M. RAMESH	M. Ramesh
38	17355A0312	R. SUBBAIAH	R. Subbaiah
39	17355A0313	K. SUNIL	K. Sunil
40	15351A0342	V. YESU BABU	V. Yesu Babu
41	16355A0312	L. UDAY KIRAN	L. Uday Kiran

K. Vijaya Kumar  
 Programme Coordinator

HOD OF ME  
 Head of the Department  
 Mechanical Engineering  
 Dr. Samuel George Institute of  
 Engineering & Technology  
 MARKAPUR-523 320, Prakasam Dist.



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drsgit\_35@yahoo.co.in

College Code : 35

## PROGRAM REPORT

Name of the Program : A two week Certificate Programme on  
**CONCEPT DESIGN TO MANUFACTURING**

Schedule of program : **19-08-2019 to 31-08-2019**

Venue : Seminar Hall

Organized by : Dept of MECHANICAL ENGINEERING

Faculty : Mr K. Vijaya Kumar

Designation : Associate Professor

Number of Participants : 41

### Objectives of the Course:

- The objective of course is identify the manufacturing constraints that influence the design of parts and part systems.
- Students will be introduced to the Design for Manufacturability (DFM) methodology, and will be motivated to understand infeasible or impractical designs.

### Topics Covered:

- Concept & Schematics
- Mechanical design
- Electrical design
- MFG Drawing
- CAM, Tools, Tech Docs & Inspection
- Production
- Distributed Data Management.

### Outcomes of the Course:

- Understand the quality aspects of design for manufacture and assembly
- Apply Boothroyd method of DFM for product design and assembly
- Apply the concept of DFM for casting, welding, forming and assembly
- Identify the design factors and processes as per customer specifications
- Apply the DFM method for a given product

*K. Vijaya Kumar*  
Programme Coordinator

*[Signature]*  
HOD OF ME  
Mechanical Engineering  
Dr. Samuel George Institute of  
Engineering & Technology  
Markapur, 523 320, George Town, Darimadugu (Vi), Markapur (M), Prakasam (Dist), A.P.



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE: 07-09-2019

All the students of **IV B.Tech I SEM ECE** are hereby informed to attend the "A two week Certificate Programme on **Embedded System in Automobile Engineering** " and the Programming scheduled from **16-09-2019 to 30-09-2019** and is delivered by **Mr. D. Pitchaiah**. He will deliver the valuable information on respective programme. All the students must participate and make your career enlighten.

Programme 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 has 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. K.V.S.Narayana**  
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

## “Embedded System in Automobile Engineering”

16-09-2019 to 30 -09-2019

CO-ORDINATOR  
**D. PITCHAIAH**

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

- Overview of present-day embedded products
- Introduction to C , Introduction to MISRA C
- Overview of Architecture Of Microcontroller
- Understanding Automotive Product Design Cycle
- Introduction to CAN Protocol ,Basics of CAN
- Introduction, Key features and properties of Flex Ray
- Real automotive sensors: inductive rpm sensor,
- How to read circuit and wiring diagrams
- Process of Automotive Fault Diagnostics
- Protocol, Basic of SPI Protocol
- Inter Integrated Circuit (I2C)

## 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 “Embedded System in Automobile Engineering”

**16-09-2019 to 30 - 09-2019**

• Student Name:

• Father Name:

• Roll No:

• Mobile No:

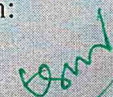
• Course:

• 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 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 programme on EmbeddedSystem in Automobile Engineering”  
Dept of Electronics and communication Engineering,

Dr Samuel George Institute Of Engineering and Technology

Mail ID: chinttuminttu@gmail.com

Phone. No: 9848619640



# 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 Programme on **Embedded System in Automobile Engineering**

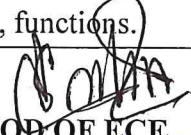
**Year:** IV B.Tech

**Faculty Name:** Mr. D. PITCHAIAH

**Academic Year:** 2019-2020

16-09-2019	<ul style="list-style-type: none"><li>Overview of present-day embedded products , Basic building blocks of embedded systems o Automotive Systems Overview, Embedded Technology in Automotive Industry</li></ul>
17-09-2019	<ul style="list-style-type: none"><li>Introduction to C , Introduction to MISRA C Automotive Standard , Loops and Control Flow o Functions ,Storage Class and Linkage</li></ul>
18-09-2019	Overview of Architecture Of Microcontroller , Introduction to Development Tools and Environment :Programmers, Debuggers, Emulators, Simulators, Development Board ,
19-09-2019	Understanding Automotive Product Design Cycle , Introduction to Software Development Life Cycle , Types of Software Development Life Cycle
20-09-2019	<ul style="list-style-type: none"><li>Introduction to CAN Protocol ,Basics of CAN Standard and Extended ,CAN communication , Basics of Implementation of CAN Protocols</li></ul>
21-09-2019	<ul style="list-style-type: none"><li>Introduction, Key features and properties of Flex Ray ,Overview of Flex Ray consortium ,Flex Ray Physical Layer ,Topologies , Cable , Connections , Electrical signal level , Communication structure , Clock synchronization</li></ul>
23-09-2019	<ul style="list-style-type: none"><li>Real automotive sensors: inductive rpm sensor, phase sensor, throttle-valve switch, MAP sensor, knock sensor, NTC and PTC temperature sensors that can be heated, operational model of an intake duct with throttle valve, fan,</li></ul>
24-09-2019	<ul style="list-style-type: none"><li>How to read circuit and wiring diagrams ,Establishing and testing sensor wiring connections , Sensor performance checks • Troubleshooting and fault finding</li></ul>
25-09-2019	Process of Automotive Fault Diagnostics, Fault Codes, Vehicle Systems On- and Off- Board Diagnostics. OBD-I, OBD-II, Engine Analyzers, Steps taken to diagnose a fault, Diagnostics Protocols & Standards
26-09-2019	INTRODUCTION TO SPI Protocol, Basic of SPI Protocol Standard, SPI Hardware & Interface: SPI Mode: Polarity and Clock Phase, S Bus 3-Wire and Multi-IO Configurations, MOSI AND MISO line
27-09-2019	Inter Integrated Circuit (I2C) , Introduction to the I2C Protocol , The basic concept of I2C.
28-09-2019	, How engine management sensors work , Where to find sensors on automobiles , Engine management functions.
30-09-2019	NTC and PTC temperature sensors that can be heated, operational model of an intake duct with throttle valve, fan, throttle-valve potentiometer and air-flow meter , functions.

  
Programme 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.)



# 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

Department: ECE

Academic Year: 2019-2020

Name of the Programme: A two week Certificate Programme on Embedded System in

Automobile Engineering

List of students Enrolled/Completed: 56

Year: IV B.Tech

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	16351A0401	M.ARUNA	M. Aruna
2	16351A0402	G.ASWINI	G. Aswini
3	16351A0403	Y.BHANU	Y. Bhanu
4	16351A0404	M.CHANDRIKA	M. Chandrika
5	16351A0405	G.GNANAKUMARI	G. Gnanakumari
6	16351A0406	K.C.JANARDHAN	K.C. Janardhan
7	16351A0407	V.JAYARAMACHANDRAN	V. Jayaram
8	16351A0408	N.JYOSHNA DEVI	N. Jyoshna Devi
9	16351A0409	V.JYOTHIRMAI	V. Jyothirmai
10	16351A0410	S.KARTHIK	S. Karthik
11	16351A0411	G.KAVITHA	G. Kavitha
12	16351A0412	G.KIRAN KUMAR	G. Kiran Kumar
13	16351A0413	T.KRUPA RAO	T. Krupa Rao
14	16351A0414	M.MADHURI	M. Madhuri
15	16351A0415	D.MAMATHA	D. Mamatha
16	16351A0416	N.MEGHAVATHI	N. Meghavathi
17	16351A0417	P.MOUNIKA	P. Mounika
18	16351A0418	M.NAGA LAKSHMI	M. Naga Lakshmi
19	16351A0419	K.NAGAMMA	K. Nagamma
20	16351A0420	K.NAGANNA	K. Nagananna
21	16351A0421	S.NAGARJUNA REDDY	S. Nagarjuna Reddy
22	16351A0422	B.NAGENDRA BABU	B. Nagendra Babu
23	16351A0423	K.NEERAJAKSHI	K. Neerajakshi
24	16351A0424	J.PAVAN KALYAN	J. Pavan Kalyan
25	16351A0425	K.PAVAN KALYAN	K. Pavan Kalyan
26	16351A0426	B.PAVAN KUMAR REDDY	B. Pavan Kumar Reddy
27	16351A0427	G.PRABHAKAR	G. Prabhakar
28	16351A0428	T.PREMA LATHA	T. Prema Latha
29	16351A0429	M.PULLAIAH	M. Pullaiah
30	16351A0430	G.RAHELA	G. Rahela
31	16351A0432	G.RAMESH	G. Ramesh
32	16351A0433	T.RAMKUMAR	T. Ramkumar
33	16351A0434	M.RAVEENDRA	M. Raveendra
34	16351A0435	G.RAVITEJA	G. Raviteja
35	16351A0436	T.REKHA	T. Rekha
36	16351A0437	R.SASHIDURGA	R. Sashidurga
37	16351A0438	N. SIVA SANKAR	N. Siva Sankar
38	16351A0439	B.SREENIVASULU NAIK	B. Sreenivasulu Naik
39	16351A0440	P.SUREKHA	P. Surekha
40	16351A0441	N.SUSHMA	N. Sushma
41	16351A0442	G.SUSHMA PRAVALLIKA	G. Sushma Pravalika
42	16351A0443	G.SUVARNA	G. Suvarna
43	16351A0444	N.SWAMI DEVI	N. Swami Devi
44	16351A0445	V.SWARNA LATHA	V. Swarna Latha



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e-mail : sgit.principal@gmail.com  
drsgit\_35@yahoo.co.in

College Code : 35

45	16351A0446	CH TEJAVATHI	Ch. Tejavathi
46	16351A0447	SD.VASEEM TABASSUM	SD. Vaseem
47	16351A0448	N. VENKATA LATHA	N. Venkata latha.
48	16351A0449	D.VENKATA NAIDU	D. Naidu
49	16351A0450	V.VENKATESH	V. Venkatesh
50	16351A0451	Y.VYSHNAVI	Y. Vyshnavi
51	17355A0401	D.CHINNA KASAIHA	D. Kasaiha
52	17355A0402	SK.SOFIYA	Sk. Sofiya
53	17355A0403	K.UMA SHANKAR	K. Uma
54	17355A0404	B.YVUARAJU	B. YVUARaju
55	17355A0405	P.ABBAS KHAN	P. Khan
56	17355A0406	K.RANI	K. Rani

Programme 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](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAMME REPORT

Name of the Programme : A two week Certificate Programme on  
Embedded System in Automobile Engineering  
Schedule of programme : 16-09-2019 to 30-09-2019  
Venue : Seminar Hall  
Organized by : Dept of ECE  
Faculty : Mr. D. PITCHAIAH  
Designation : Associate Professor  
Number of Participants : 56

### 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 Automotive Embedded Systems
2. Embedded C & Coding Standards for Automotive
3. Introduction to ARM Microcontrollers, Architecture, Peripherals, Interfacing
4. Automotive Embedded System Design & Software Development Cycle
5. Serial Embedded Protocols for Communicating with Peripheral & Sensors.
6. Local Interconnect Network (LIN)
7. Flex-Ray
8. Vehicle Network Diagnostics
9. Automotive Sensory System

### 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

  
Programme Coordinator

  
HOD ECE

Head of the Department  
Dept. of E C E  
Dr. Samuel George Institute of  
Engineering & Technology  
MARKAPUR-523 320, Prakasam(D.C.)



# Dr. Samuel George Institute of Engineering & Technology

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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)


College Code : 35

## CIRCULAR

DATE: 09-08-2019

All the students of **III B.Tech I SEM ECE** are hereby informed to attend the "A two week Certificate Programme on **Advancement in Antenna design**" and the Programming scheduled from **16-08-2019 to 31-08-2019** and is delivered by **Mr. Y.Devaraju**. He will deliver the valuable information on respective programme. All the students must participate and make your career enlighten.

  
Programme Coordinator

  
**HOD OF ECE**  
Head of Department  
Dept. of ECE  
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 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 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. K.V.S.NARAYANA

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

"ADVANCEMENT IN  
ANTENNA DESIGN"

16-08-2019 TO 31-08-2019

#### CO-ORDINATOR

Y.DEVARAJU

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

- Introduction to Antennas and advancements in biomedical antennas
- Circularly Polarized Antennas for Microwave and Millimeter wave Applications
- Introduction to 3D EM Solver
- Frequency Selective Surfaces
- Understanding of Isolation Improvement in MIMO Antenna System
- Microwave Measurements Hands on
- Optically Transparent Antennas
- Electrically Small Antennas for wireless devices

## 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

### “Advancement in Antenna design”

16-08-2019 TO 31-08-2019

- 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 **Advancement in Antenna design** 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 **Advancement in Antenna design**” Dept of Electronics and communication Engineering,

DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
MAIL ID: [DEVARAJUYENIBERA@GMAIL.COM](mailto:DEVARAJUYENIBERA@GMAIL.COM)  
PHONE. NO: 9849075271



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## SCHEDULE

**Title of the Certification:** A two week Certificate Programme on Advancement in Antenna design


**Year:** III B.Tech

**Faculty Name:** Mrs.Y.Devaraju

**Academic Year:** 2019-2020

16-08-2019	Introduction to Antennas and advancements in biomedical antennas
17-08-2019	Circularly Polarized Antennas for Microwave and Millimeter wave Applications
19-08-2019	Introduction to 3D EM Solver
20-08-2019	Frequency Selective Surfaces
21-08-2019	Electrically Small Antennas for wireless devices
22-08-2019	Antenna Modeling using 3D EM Solver
23-08-2019	Leaky Wave Antennas
24-08-2019	Understanding of Isolation Improvement in MIMO Antenna System
26-08-2019	Optically Transparent Antennas
27-08-2019	Reflectarray Antennas
28-08-2019	Multifunctional MIMO Antenna for Efficient Spectrum Utilization
29-08-2019	Microwave Measurements Handson
30-08-2019	Microwave Measurements Hands-on
31-08-2019	Valedictory

  
Programme 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)



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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: 2019-2020

Name of the Programme: A two week Certificate Programme on Advancement in Antenna design List of students Enrolled/Completed: 63

Year: III B.Tech

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	17351A0401	SHAIK AFREED HUSSAIN	S. AFREED HUSSAIN
2	17351A0402	BONTHALA AKHIL	B. Akhil
3	17351A0403	SIRDHALA ANITHA	S. Anitha
4	17351A0408	VIDUDALA BUELA	V. Buella
5	17351A0409	KODAVATIKANTI CHANDRA KALA	K. chandras kala
6	17351A0410	PALLEBOINA CHINNA LALIAH	P. Chinna lakshmi
7	17351A0411	CHINTHALA DEEVENA	Chinthala Deevena
8	17351A0412	PERIKALA DIVYA	P. Divya
9	17351A0413	UPPARA GANGADRI	U. -Gangadri
10	17351A0416	SAKE HARIKAA	S. Harikaa
11	17351A0417	RODDAM JAYANTHKUMAR	R. Jayanthi Kumar
12	17351A0418	VEERLA SRAVANTHI	V. Sravanthi
13	17351A0419	RAJARAPU JYOTHSNA	R. Jyothsna
14	17351A0420	N KALPANA	N. kalpana
15	17351A0421	DEVISETTY KANAKA LAKSHMI DURGAVATHI	D. kanaka lakshmi Durgavathi
16	17351A0422	GOLLA KANYA DHARANI	G. Kanya dharani
17	17351A0423	VARAGANI KEZIA	Varagani kezia
18	17351A0425	CHANDOLU KOTASIRICHANDANA	chandolu kotasirichandana
19	17351A0426	BATCHALAKURI KUMARI	Batchalakuri kumari
20	17351A0427	MALLEBOINA LAKSHMI NEELIMA	malleboina lakshmi neelima
21	17351A0428	DASARI LALINI	Dasari Lalini
22	17351A0429	VETTI LATHA	vetti latha
23	17351A0430	JALAJANKALA MADHAN KUMAR	Jalajankala madhan kumar
24	17351A0431	J MANJULA	J Manjula
25	17351A0433	KANDULA MARIYA BABU	kandula mariyababu
26	17351A0434	DUGGEM MOUNIKA	D. G. G. gem mounika
27	17351A0435	G N MURALI KRISHNA	G. n. murali krishna
28	17351A0436	BAREDDY NAGA JYOTHI	Bareddy naga jyothi
29	17351A0437	BAIREDDY NAGA LAKSHMI	Baireddy naga lakshmi
30	17351A0438	NAMBULA NAGENDRABABU	N. M. B. ula nagendra babu
31	17351A0440	BADDIGAM NASARAREDDY	B. Nasara reddy
32	17351A0442	C PAVITHRA	C. Pavithra
33	17351A0445	MALLEPULA PRIYANKA	M. Priyanka
34	17351A0446	SANKULA PRIYANKA	S. priyanka
35	17351A0447	PASUPULETI RAFI	P. Rafi
36	17351A0448	JANAPATI RAJASEKHAR	Janapati Rajeshwar
37	17351A0449	PEDDAPOGU RAJA SWETHA	P. Raja Swetha
38	17351A0452	PAIDIPOGU RINCIRANI	P. R. N. C. I. Rani
39	17351A0454	MUDAVATH SAI KIRAN NAIK	M. Sai kiran naik
40	17351A0456	KOTHACHERUVU SAINATH REDDY	K. Sainath Reddy
41	17351A0457	VALAPARLA SAMPATH KUMAR	V. Sampath kumar
42	17351A0458	MADURI SANDHYARANI	M. Sandhya Rani
43	17351A0459	GANNE SHANTHA	G. Shantha



# Dr. Samuel George Institute of Engineering & Technology

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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

44	17351A0460	VANGEPURAPU SHARMILA	V. Sharmila
45	17351A0461	MALE SHOBHARANI	M. Shobha Rani
46	17351A0463	PIDUGU SREEDHAR	D. Sreedhar
47	17351A0464	VUKKUSILA SREEMANVITHA	V. Sreemanvitha
48	17351A0465	NADIMPALLI SREENATH	N. Sreenath
49	17351A0466	MADURI SRILAKSHMI	M. Sri Lakshmi
50	17351A0467	CHALLA SURENDRA	C. Surendra
51	17351A0468	JANGAMNAGAPPAGARI SWETHA	JANGAMNAGAPPAGARI Swetha
52	17351A0469	KONDETI SYAMALA	Kondeti Syamala
53	17351A0470	SAKE VANI	Sake Vani
54	17351A0471	PEDDINENI VEERAVENKATARAMANA	Peddineni Veeravenkataramana
55	17351A0473	MANEPALLI VENKATA NAGENDRA PAVAN KUMAR	Manepalli Venkata Nagendra Pavan Kumar
56	17351A0475	BHODANAPU VENKATESWARA REDDY	Bhoda Napu Venkateswara Reddy
57	17351A0476	JAJA VENKATESWARLU	Jaja Venkateswarlu
58	17351A0477	M VIJAY KUMAR	M. Vijay Kumar
59	17351A0479	M YELAGONDAIAH	M. Yelagondaiah
60	18355A0401	J LAKSHMI SAILAJA	J. Lakshmi Sailaja
61	18355A0402	M SAI RADHIKA	M. Sai Radhika
62	18355A0403	CH SUDHAKAR	Ch. Sudhakar
63	18355A0404	K YARRAIAH	K. Yarraiah

*Y. Dora Dula*

Programme Coordinator

*[Signature]*

HOD OF ECE

Head of the Department  
Dept. of E C E  
Dr. Samuel George Institute of  
Engineering & Technology  
523 316, Prakasam (Dist), A.P.



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAMME REPORT

Name of the Programme : A two week Certificate Programme on Advancement in Antenna design  
Schedule of programme : 16-08-2019 to 31-08-2019  
Venue : Seminar Hall  
Organized by : Dept of ECE  
Faculty : Mr. Y Devaraju  
Designation : Associate Professor  
Number of Participants : 63

### Objectives of this Course are:

The participants will be introduced to

1. The recent advancements in the field of antennas and high impedance surfaces.
2. To introduce the concepts of electrically small antennas and millimetre wave antennas
3. To discuss the progress made in Intelligent Antenna design
4. To impart knowledge on working with the electromagnetic simulation package
5. To expose the real-time measurements using microwave analyzer and anechoic

Chamber

### Learning Outcomes

After going through this course the student will be able to

- Identify basic antenna parameters.
- Design and analyze wire antennas, loop antennas, reflector antennas, lens antennas, horn antennas and Micro strip antennas
- Quantify the fields radiated by various types of antennas
- Design and analyze antenna arrays
- Analyze antenna measurements to assess antenna's performance
- Identify the characteristics of radio wave propagation

  
Programme Coordinator

  
HOD OF ECE

Head of the Department  
Dept. of E C E  
Dr. Samuel George Institute of  
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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)


College Code : 35

## CIRCULAR

DATE: 10-02-2020

All the students of **II B.Tech II SEM ECE** are here by informed to attend the “A two week Certificate Programme on **Hands on work On Communications** “ and the Programming scheduled from **15-02-2020 to 29-02-2020** and is delivered by **Mr. U. GURAVA RAO**. He will deliver the valuable information on respective programme. All the students must participate and make your career enlighten.

  
Programme 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 town. It is a modern, 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.

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 equipped 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 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. K.V.S.NARAYANA

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

### "HANDS ON WORK ON COMMUNICATIONS"

15-02-2020 TO 29-02-2020

#### CO-ORDINATOR

U GURAVA RAO

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

- Amplitude Modulation DSBSC, Envelope Detectors and generations
- Frequency Division Multiplexing and their applications
- Angle Modulations
- DSB SC Modulation Using Mat Lab
- Analog Receivers and Transmitters
- Effects of Noise in communications, DSBSC
- Noises in Communications
- Detect the signals in FM

## 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

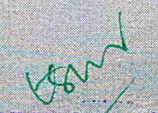
### A Two week Certificate Programme

On

### “Hands on work on Communications”

15-02-2020 TO 29-02-2020

- 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 **Hands on work on Communications** 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 **Hands on work on Communications**” Dept of Electronics and communication Engineering,

DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
MAIL ID: [USTELAGURU866@GMAIL.COM](mailto:USTELAGURU866@GMAIL.COM)  
PHONE. NO: 9052088309



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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 week Certificate Programme on Hands on work On Communications


**Year:** II B.Tech

**Faculty Name:** Mr. U Gurava Rao

**Academic Year:** 2019-2020

15-02-2020	Introduction to Modulation
17-02-2020	Amplitude Modulation DSBSC, Envelope Detectors and generations
18-02-2020	Frequency Division Multiplexing and their applications
19-02-2020	Angle Modulations
20-02-2020	Analog Receivers and Transmitters
22-02-2020	Noises in Communications
24-02-2020	Effects of Noise in communications, DSBSC
25-02-2020	Figure of Merits and Noise Figures
26-02-2020	Schemes of Modulations
27-02-2020	Detect the signals in FM
28-02-2020	Ranges of FM and AM
29-02-2020	DSB SC Modulation Using Mat Lab

  
Programme Coordinator

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



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e-mail : sgit.principal@gmail.com  
drsgit\_35@yahoo.co.in

College Code : 35

Department: ECE

Academic Year: 2019-2020

Name of the Programme: A two week Certificate Programme on Hands on work On

Communications

List of students Enrolled/Completed: 103

Year: II B.Tech

S.No.	ROLL. No.	NAME OF THE STUDENT	SIGNATURES
1	18351A0401	DOKKA AJAY KUMAR	Dokka Ajay Kumar.
2	18351A0402	KATAMREDDY ALEKYAREDDY	Katamreddy Alekyareddy
3	18351A0403	CHALLAGUNDLA AMULYA	Challagundla Amulya
4	18351A0404	DUGGEPOGU ASHOK KUMAR	D. Ashok Kumar
5	18351A0405	VADDE BHARATHI	V. Bharathi
6	18351A0406	KOTAPATI BHASKAR	K. Bhaskar
7	18351A0407	KAJAYAM CHARISHMA	K. Charishma
8	18351A0408	PERURI CHENNA RAYUDU	P. Chenna Rayudu
9	18351A0409	KUKATLAPALLI DANIEL	K. Daniel
10	18351A0410	YANDRAPATI DEDEEPIYA	Y. Dedeeepya
11	18351A0411	G DHANUNJAYA REDDY	G. dhanunijaya reddy.
12	18351A0412	KOTA DIVYA RANI	Kota divya rani
13	18351A0413	SHAIK FAYAZ	Shaik Fayaz
14	18351A0414	CHITTEM GANESH	Chittam Ganesh
15	18351A0415	ANNALAYYAGARI HARIKA	A. Harika
16	18351A0416	CHERUKUPALLI HARSHITHA	Chittrushtha
17	18351A0417	ERAKASANI INDU	E. INDU
18	18351A0418	SHEIK IRFAN BABA	S. Irfan baba
19	18351A0419	SHAIK MOHAMMAD RAFI	S. mohamad Rafi
20	18351A0421	BADAM JITHENDRA KUMAR	B. Jithendra kumar
21	18351A0422	GUNDLA KALYAN KUMAR	G. Kalyan kumar
22	18351A0423	NAYAKANTI KARUNAMMA	N. Karunamma
23	18351A0424	NARU KONDA GURUVULU	N. GURUVULU
24	18351A0425	GURRAM KRISHNA KUMAR	Gurram Krishna Kumar
25	18351A0426	VULLI KRISHNAVENI	Vulli Krishna Veni
26	18351A0427	DIBBAMADUGU LAKSHMI DEVI	V. Lakshmi srinivasreddy
27	18351A0428	VENNA LAKSHMI SRINIVASAREDDY	V. Srinivasareddy
28	18351A0429	AADONI LOKESH	A. Lokesh
29	18351A0430	SYED MAHABOOB BASHA	S. Mahaboob Basha
30	18351A0431	PEYYALA MAHESWARI	P. Maheswari
31	18351A0432	GORENTLA MALLIKARJUNA	G. Mallikarjuna Rao
32	18351A0433	KOTAPATI MALLIKARJUNARAO	K. Mallikarjuna Rao
33	18351A0434	PATHERAPU MANIKANTA	P. Manikanta
34	18351A0435	PARISAPOGU MARIYAMMA	P. Mariyamma
35	18351A0436	MAMILLA MEENA KUMARI	mamilla meena Kumari
36	18351A0437	HOSPET MOHAMMED NATHIK VALI	Hospet mohammed nathik Vali
37	18351A0438	MADDULA NAGA JYOTHI	M. Naga Jyothi
38	18351A0439	NANDURI NAGARAJU	N. Nagaraju
39	18351A0440	UDUMULA NAGARJUNA REDDY	U. Nagarajuna reddy.
40	18351A0441	PAMISETTY NAGENDRA PRASAD	P. Nagendra Prasad
41	18351A0443	NAYAKANTI PARIMALA	N. Parimala
42	18351A0444	GANNARAPU PAVAN	G. Pavan
43	18351A0445	VENNA PAVAN KUMAR REDDY	V. Pavan kumar reddy



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drsgit\_35@yahoo.co.in

College Code : 35

44	18351A0446	YERRAMPALLI PRANAY KUMAR	Y. Pranay Kumar.
45	18351A0447	PATAN RAHAMTULLA	P. Rahamtulla
46	18351A0448	SONTI RAJAMOHAN REDDY	Sonti Raja Shekhar Reddy
47	18351A0449	TATHIREDDY RAJASEKHAR REDDY	Tathireddy Rajasekhar Reddy
48	18351A0450	AASA RAMADEVI	A. Ramadevi
49	18351A0451	ANKE RAMALAKSHMI	A. Ramalakshmi
50	18351A0452	METTEKAYALA RAMESH	M. Ramesh
51	18351A0453	GOLLAPALLI RAVALI	G. Raval
52	18351A0454	KONKALA RAVINDRA	K. Ravindra
53	18351A0455	DONDAPATI RECHAL	D. Rechal
54	18351A0456	PASUPALA SAGAR	P. Sagar
55	18351A0457	TUMMETI SAI KRISHNA CHAITANYA	T. Sai Krishna Chaitanya.
56	18351A0458	ARAKALA SAI KRISHNAREDDY	A. Sai Krishna Reddy
57	18351A0459	RAMAVATH SALAMMA	Ramavath Salamma
58	18351A0460	THONTLA SAMARASIMHA REDDY	Thontla Samarasimha Reddy
59	18351A0461	ULLI SANDHYARANI	U. Sandhyarani
60	18351A0462	SURE SHIVA SHRAVAN KUMAR	S. Shreevan Kumar
61	18351A0463	MADASU SRAVANI	M. Sravani.
62	18351A0464	KAMALAPURAM SREENU	K. Srinu
63	18351A0465	MYLARI SUDHAKAR	S. A. Sudhakar
64	18351A0466	SANDHYAPOGU SUKANYA	M. Sudhakar
65	18351A0467	AAKULA SUMANTH	A. Sumanth
66	18351A0468	CHAKALI SUPRIYA	C. Supriya
67	18351A0469	RAPALLI SURENDRA	R. Surendra
68	18351A0470	SANGANA SURENDRA REDDY	Sangana Surendra Reddy
69	18351A0471	KALVA SUSMITHA	Kalva Susmitha
70	18351A0472	SYED SYFFULLA	S. Syffulla.
71	18351A0473	SYED TASLEEM TANVEER	S. Tanveer
72	18351A0474	DIGADARI UMADEVI	D. Umadevi
73	18351A0475	KURUKUNDA VAMSHI KRISHNA	K. Vamsi Krishna
74	18351A0476	BANAVATH VAMSI NAIK	B. Vamsi Naik
75	18351A0477	THOTA VENKATA ANITHA	T.V. Anitha
76	18351A0478	MODIGARI VENKATA KAVYA	M.V. Kavya
77	18351A0479	GADWALA VENKATA RAMANA	G.V. Ramana
78	18351A0480	GURRAM VENKATA RAMANA	G. Venkata Ramana
79	18351A0481	BHUMIREDDY VENKATA RAMI REDDY	B. Venkata Rami Reddy
80	18351A0482	BHAVANAM VENKATA REDDY	B. Venkata Reddy.
81	18351A0483	YADAVALLI VENKATA SHIRISHA	Y. Venkata Shirisha



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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

82	18351A0484	GAJVALI V SIVA LAKSHMI NARAYANA	G. Siva Lakshmi
83	18351A0485	PANDILLA VENKATA SUBBAIAH	Pandilla Venkata Subbaiah
84	18351A0486	G.V. SUBBULU	G.V. Subbulu
85	18351A0487	DASARI VENKAT SACHIN	D. Venkat Sachin
86	18351A0488	MADHIRE V BHASKARA REDDY	M.V. Bhaskar Reddy
87	18351A0489	UPPARI VIJAY KUMAR	U. Vijay Kumar
88	18351A0490	KOLKAN VINEETH	K. Vineeth
89	19355A0401	B. AJAY KUMAR	B. Ajay Kumar
90	19355A0402	E. ASHOK KUMAR	E. Ashok Kumar
91	19355A0403	V. CHAITANYA	V. Chaitanya
92	19355A0404	A. DEENA RANI	A. Deena Rani
93	19355A0405	P. DEEPIKA	P. Deepika
94	19355A0406	S. JAYALALITHA	S. Jayalalitha
95	19355A0407	G. NIRANJAN BABU	G. Niranjana Babu
96	19355A0408	A. RATHANAVALLI	A. Rathnavalli
97	19355A0409	B. SREELEKHA	B. Sreelekha
98	19355A0410	R. SUKANYA	R. Sukanya
99	19355A0411	B. THARA DEVI	B. Thara Devi
100	19355A0412	SK. KARISHMA	Sk. Karishma
101	17355A0439	M. NAGESWARA NAIK	M. Nageswara Naik
102	17355A0443	B. PRASANNANJANEYULU	B. Prasanna Jayulu
103	17355A0453	M. SAI KIRAN	M. Sai Kiran

  
Programme 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)



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## PROGRAMME REPORT

Name of the Programme : A two week Certificate Programme on Hands on work On  
Communications  
Schedule of programme : 15-02-2020 to 29-02-2020  
Venue : Seminar Hall  
Organized by : Dept of ECE  
Faculty : Mr. U. Gurava Rao  
Designation : Assistant Professor  
Number of Participants : 103

### Objectives of this Course are:


- Impart the basic concepts of analog modulation schemes.
- Describe different types of noise and predict its effect on various analog communication systems.
- Know the techniques of analog communication and noise analysis in analog communication.
- 1. Familiarize with the fundamentals of analog communication systems
- 2. Familiarize with various techniques for analog modulation and demodulation of signals
- 3. Distinguish the figure of merits of various analog modulation methods
- 4. Develop the ability to classify and understand various functional blocks of radio transmitters and receivers

### Learning Outcomes

Upon successful completion of this course, students should be able to:

- Analyze energy and power spectral density of the signal.
  - Develop an understanding of the performance of analog communication systems.
  - Calculate bandwidth and power requirements for analog systems.
  - Analyze the different characteristics of the receiver.
1. Differentiate various Analog modulation and demodulation schemes and their spectral characteristics
  2. Analyze noise characteristics of various analog modulation methods
  3. Analyze various functional blocks of radio transmitters and receivers

  
Programme 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.)



# 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](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE: 25-06-2019

All the students of II – B.Tech I – Semester CSE are hereby informed to attend the **A TWO WEEK CERTIFICATE PROGRAMME ON ADVANCED PYTHON PROGRAMMING** and the programme Scheduled from **08-07-2019** to **20-07-2019** 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.

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. K V S NARAYANA

Principal

### PATRON

Prof. 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

## ADVANCED PYTHON PROGRAMMING

08-07-2019 TO 20-07-2019

### 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

### Advanced Python Programming

08-07-2019 TO 20 - 07-2019

- 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 **Advanced 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 inability to attend the program.

Date:

Place:

Signature of the Applicant

## CONTACT US

### The Co-ordinator

A Two week certificate programme on “**Advanced Python Programming**”

Dept of Computer Science and Engineering.,

DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY

MAIL ID: [kumar.mtech1@gmail.com](mailto:kumar.mtech1@gmail.com)

PHONE: 970480909



# Dr. Samuel George Institute of Engineering & Technology



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

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

Faculty Name: Mr.D.KUMAR

Year: II-B.Tech

Academic Year: 2019-2020

Day	Topic Covered
Day 1	Introduction to Python
Day 2	Conditional Statements, Looping, Control Statements
Day 3	String Manipulation
Day 4	Collections(Lists, Tuples, Dictionaries)
Day 5	Functions
Day 6	Modules/Packages
Day 7	Input-Output
Day 8	Exception Handling
Day 9	OOPs concept
Day 10	Regular expressions
Day 11	Database
Day 12	GUI Programming

  
PROGRAMME COORDINATOR

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



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## Department of Computer Science and Engineering

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

List of Students Enrolled/Completed:85

Year: II-B.Tech

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	SIGNATURE
1	18351A0501	S. AJAY BABU	S. Ajay babu
2	18351A0502	K. AMOOLYA	K. Amoolya
3	18351A0503	N. ANITHA	N. Anitha
4	18351A0504	V. ANJANEYULU	V. Anjaneyulu
5	18351A0506	D. ANUSHA	D. Anusha
6	18351A0507	K. ANUSHA	K. Anusha
7	18351A0508	K. ANUSHA	K. Anusha
8	18351A0509	U. ANUSHA	U. Anusha
9	18351A0510	S. ASHOK	S. Ashok
10	18351A0512	M. BANGARU BABU	M. Bangaru Babu
11	18351A0513	G. BUJJAMMA	G. bujjamma
12	18351A0514	J. CHANDRA SEKHAR	J. Chandra Sekhar
13	18351A0515	P. CHENNA KESHAV	P. chenna keshav
14	18351A0516	G. SK MD DADANOR	G. SK MD Dadanor
15	18351A0517	SK. DADAPEER	Sk. Dadapeer
16	18351A0518	G. DAVID	G. David
17	18351A0520	B. GIRISH KUMAR	B. Girish Kumar
18	18351A0521	P. GOPISIVASANKAR	P. Gopivasankar
19	18351A0522	K. HARIKA	K. Harika
20	18351A0523	P. HARIKRISHNA	P. Harikrishna
21	18351A0524	B. HIMA BINDU	B. HIMA BINDU
22	18351A0525	K. ISSAC	K. Issac
23	18351A0526	U. JANSI REDDY	U. Jansi Reddy
24	18351A0527	P. JHANSI	P. Jhansi
25	18351A0528	D. JYOSHNA	D. Jyoshna
26	18351A0529	P. KASIRAMANAMMA	P. kasiramanamma
27	18351A0530	P. KAVITHA	P. Kavitha
28	18351A0531	T. KOUSALYA	T. Kousalya
29	18351A0532	G. LAKSHMI DEVI	G. Lakshmi devi
30	18351A0533	Y. LAKSHMI PRASANNA	y. lakshmi



31	18351A0534	B. MALLIKARJUNA REDDY	B. Mallikarjuna Reddy
32	18351A0535	G. MALLIKHARJUNA	G. Mallikharjuna
33	18351A0536	G. MANASA	G. Manasa
34	18351A0537	K. MANIKANTA REDDY	K. Manikanta Reddy
35	18351A0538	T. MANOHAR	T. Manohar
36	18351A0539	B. MANOHAR NAIK	B. Manohar Naik
37	18351A0540	N. MANOJ KRISHNA	N. Manoj Krishna
38	18351A0542	K. MOUNIKA	K. Mounika
39	18351A0543	P. MOUNIKA	P. Mounika
40	18351A0544	K. NAGA BANDI RAJU	K. Naga Bandi Raju
41	18351A0545	K. NAGA SIREESHA	K. Naga Siresha
42	18351A0546	R. NAGAVENI	R. Nagaveni
43	18351A0547	L. NAGENDRA	L. Nagendra
44	18351A0549	E. PAVAN	E. Pavan
45	18351A0550	M. PAVAN	M. Pavan
46	18351A0551	D. PAVAN KALYAN	D. Pavan Kalyan
47	18351A0552	B. PEDDASEKHAR	B. Peddasekhara
48	18351A0553	P SAI PRIYANKA	P. Sai Priyanka
49	18351A0554	S. PRUDVIRAJ	S. Prudviraj
50	18351A0555	R. QUEEN	R. Queen
51	18351A0556	SK. RAHMATULLAH	Sk. Rahmatullah
52	18351A0557	K. RAJESH	K. Rajesh
53	18351A0558	V. RAMANAMMA	V. Ramanamma
54	18351A0559	G. RAMANJANEYULU	G. Ramanjaneyulu
55	18351A0560	G. RAMBABU	G. Rambabu
56	18351A0561	T. RAVIKUMAR	T. Ravikumar
57	18351A0562	A. SAI GOVARDHAN	A. Saigovardhan
58	18351A0563	T. SAI KUMAR	T. Sai Kumar
59	18351A0564	G. SAI PRASANNA	G. Sai Prasanna
60	18351A0565	G. SAI SUPRAJA	G. Sai Supraja
61	18351A0566	P. SAROJA	P. Saroja
62	18351A0567	N. SHALEM RAJU	N. Shalem Raju
63	18351A0568	J. SIVA	J. Siva
64	18351A0569	M. SIVA RAMAKRISHNA	M. Siva Ramakrishna
65	18351A0571	CH. SIVASANKAR REDDY	Ch. Sivasankar Reddy
66	18351A0572	D. SRAVANI	D. Sravani
67	18351A0573	G. SRAVANI	G. Sravani
68	18351A0574	G. SUDHA SWAPNIKA	G. Sudha Swapnika
69	18351A0575	S. SUMANTH	S. Sumanth
70	18351A0576	B. SYAMALA	B. Syamla
71	18351A0577	N. V VSATYANARAYANA	N. V Vsatyanarayana
72	18351A0578	CH. V A SAI MANIKANTA	Ch. V A Sai Manikanta
73	18351A0579	B. V DURGA PRASAD	B. V. Durga Prasad
74	18351A0580	P. V N UMA MAHESWARI	P. V. N. Uma Maheswari
75	18351A0581	K. V SAI PAVAN KUMAR	K. V Sai Pavan Kumar
76	18351A0582	CH. V SIVA NAGA JYOTHI	Ch. V Siva Naga Jyothi



77	18351A0583	L. VENKATA SOWMYA	L. Venkata sowmya
78	18351A0584	D. VIJAY KUMAR	D. Vijay kumar
79	18351A0586	G. VISHNU VARDHAN	G. Vishnu vardhan
80	18351A0587	CH. EDUKONDALU	Ch. EDUKONDALU



PROGRAMME COORDINATOR



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](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## Programme Report

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

**Duration:** 08-07-2019 to 20 -07-2019

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

**Number of Students attended:** 80

Dr. Samuel George Institute of Engineering And Technology organized “A TWO WEEK CERTIFICATE PROGRAMME ON ADVANCED PYTHON PROGRAMMING” for II Year B.Tech students by the resource person Mr. D.KUMAR from 08-07-2019 to 20 -07-2019. 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. SGIET, Markapur, Prakasam(Dt), A.P.



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[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE: 10-07-2019

All the students of III – B.Tech I – Semester CSE are hereby informed to attend the A TWO WEEK CERTIFICATE PROGRAMME ON DATA SCIENCE USING PYTHON and the programme Scheduled from 22-07-2019 to 03-08-2019 and is delivered by Mr.SK.SAIDA. He will deliver the valuable information on the respective programme. All the students must participate and make your career enlighten.

*SK.Saida*  
PROGRAMME COORDINATOR

*[Signature]*  
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.

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-the-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 in Computer Science and Engineering.

The UG-CSE intake is 120 and PG-CSE intake is 36. The Department of CSE has 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. K V S NARAYANA

Principal

### PATRON

Prof. 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

DATA SCIENCE USING  
PYTHON

22-07-2019 TO 03-08-2019

### CO-ORDINATOR

SK. SAIDA

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

- Apply quantitative modeling and data analysis techniques to the solution of real world business problems, communicate findings, and effectively present results using data visualization techniques.
- Recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.
- Apply ethical practices in everyday business activities and make well-reasoned ethical business and data management decisions.
- Demonstrate knowledge of statistical data analysis techniques utilized in business decision making.
- Apply principles of Data Science to the analysis of business problems.

## 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 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

### Data Science using Python

22-07-2019 TO 03 - 08-2019

- 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 **Data Science using 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 "**Data Science using Python**"

Dept of Computer Science and Engineering.,

DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY

MAIL ID: [sksaidas@gmail.com](mailto:sksaidas@gmail.com)

PHONE: 9908341613



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e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

**Name of the Programme:** A TWO WEEK CERTIFICATE PROGRAMME ON DATA  
SCIENCE USING PYTHON

**Faculty Name:** Mr.SK.SAIDA

**Year:** III-B.Tech

**Academic year:** 2019-2020

Day	Topic Covered
Day 1	Introduction to Python
Day 2	Conditional Statements, Looping, Control Statements, String Manipulation, Collections(Lists, Tuples, Dictionaries)
Day 3	Functions
Day 4	Python Numpy
Day 5	Python Pandas Basics
Day 6	Python Data Cleaning /Missing Value / Fill-na Values/Replace Value
Day 7	Handling the Categorical Data, Data Validation
Day 8	Removing Col. Raw Data
Day 9	Machine Learning Introduction
Day 10	Machine Learning Techniques, Regression Algorithm 1)Simple Linear 2)Multiple Linear
Day 11	Classification Algorithm 1)Logistic Regression 2)SVM Algo 3)KNN Algo 4) Random Forest Algo
Day 12	Unsupervised Algorithm, Clustering Algorithm

*SK. Saida*  
**PROGRAMME COORDINATOR**

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

## Department of Computer Science and Engineering

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

List of Students Enrolled/Completed: 78

Year:III-B.Tech

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	SIGNATURE
1	17351A0501	M. ADILAKSHMI	M. Adilakshmi
2	17351A0502	T. AKANKSHA	T. Akanksha
3	17351A0503	P. ANANDAMMA	P. Anandamma
4	17351A0504	T. ANITHA	T. Anitha
5	17351A0505	P. ANJANEYULU	P. Anjaneyulu
6	17351A0506	M. ANUSHA	M. Anusha
7	17351A0507	J. BABY	J. Baby
8	17351A0508	G. BALA GURAVAREDDY	G. Bala Guravareddy
9	17351A0509	B. BALA SHARMILA	B. Bala Sharmila
10	17351A0510	P. BEULAH	P. Beulah
11	17351A0511	B. CHARANKUMAR	B. Charan Kumar
12	17351A0512	N. CHINNA OBAYYA	N. Chinna Obayya
13	17351A0513	M. DEEPTHI ANGEL	M. Deepthi Angel
14	17351A0514	K. DINAKAR	K. Dinakar
15	17351A0515	M. ELIZABETH	M. Elizabeth
16	17351A0516	U. GANGADHRI	U. Gangadhri
17	17351A0517	S. GOWTHAM	S. Gowtham
18	17351A0518	C. GURULAKSHMI	C. Gurulakshmi
19	17351A0519	N. HARI	N. Hari
20	17351A0520	B. HARISCHANDRA	B. Harischandra
21	17351A0521	SK. HEENA	SK. Heena
22	17351A0522	K. HEPSIBA	K. Hepsiba
23	17351A0523	K. HUMERA	K. Humera
24	17351A0524	J. KALPANA	J. Kalpana
25	17351A0525	J. KEERTHANA	J. Keerthana
26	17351A0526	CH. KEERTHI	CH. Keerthi
27	17351A0527	SK. KHADAR MOHAMMAD RAFI	SK. Khadar
28	17351A0528	R. LAKSHMI BHANUSREE	R. Lakshmi Bhanusree
29	17351A0529	G. LAKSHMI PADMAVATHI	G. Lakshmi Padmavathi
30	17351A0530	K. LALITHA	K. Lalitha



31	17351A0531	CH. MAHESWARI	CH. Maheswari
32	17351A0532	K. MALLESWARI	K. Malleswari
33	17351A0533	N. MALLIKHARJUNAREDDY	N. Mallikharjunareddy
34	17351A0534	S. MANASA	S. Manasa
35	17351A0535	CH. MANJUNATH REDDY	CH. manjunath Reddy
36	17351A0536	N. MARY KUMARI	N. Mary Kumari
37	17351A0537	K. NAGA JYOTHI	K. Naga Jyothi
38	17351A0538	G. NAGAMMA	G. Nagamma
39	17351A0539	Y. NAGI REDDY	Y. Nagi Reddy
40	17351A0540	D. NANDINI	D. Nandini
41	17351A0541	H. NARASIMHULU	H. Narasimhulu
42	17351A0542	K. NAVEEN KUMAR	K. Naveen Kumar
43	17351A0543	G. PAVANI	G. Pavani
44	17351A0544	G. PAVANI	G. Pavani
45	17351A0545	N. PAVANI	N. Pavani
46	17351A0547	I. PRANEETH KUMAR	I. Praneeth Kumar
47	17351A0548	K. PRATHYUSHA	K. Prathyusha
48	17351A0550	M. RAMYANIKHITHA	M. Ramyanikhitha
49	17351A0551	A. RANJITHA	A. Ranjitha
50	17351A0552	G. SAIKUMAR	G. Saikumar
51	17351A0553	N. SAILAJA	N. Sailaja
52	17351A0554	G. SANDEEP KUMAR	G. Sandeep Kumar
53	17351A0556	O. SIRISHA	O. Sirisha
54	17351A0557	A. SIVA	A. Siva
55	17351A0558	R. SIVA RANGA REDDY	R. Siva Ranga Reddy
56	17351A0559	K. S. SAI SRI KARTHIK REDDY	K.S. Sai Sri Karthik Reddy
57	17351A0560	T. SONIA	T. Sonia
58	17351A0561	B. SOWJANYA	B. Sowjanya
59	17351A0562	A. SRAVANI	A. Sravani
60	17351A0563	M. SREEDHAR REDDY	M. Sreedhar Reddy
61	17351A0564	U. SRIKANTH	U. Srikanth
62	17351A0565	B. SUCHERITHA	B. Sucheritha
63	17351A0566	N. SUDHARANI	N. Sudharani
64	17351A0567	CH. SUMALATHA	CH. Sumalatha
65	17351A0568	G. THRIVENI	G. Thriveni
66	17351A0569	G. VANDANA	G. Vandana
67	17351A0570	B. V ANANTHA LAKSHMI	B.V Anantha Lakshmi
68	17351A0571	K. VENKATA CHENNAIAH	K. Venkata lakshmi
69	17351A0572	N. V S S CHANDRA SEKHAR	N. V S S Chandra Sekhar
70	17351A0573	S. V S SRAVANKUMAR REDDY	S.V.S. Sravan Kumar Reddy
71	17351A0574	V. VENKATA SIVA REDDY	V. Venkata Siva Reddy
72	17351A0575	G. VENKATESWARA REDDY	G. Venkateswara Reddy
73	17351A0576	P. VENU GOPALASWAMI	P. Venugopala Swami
74	17351A0577	G. VISHRANTHI	G. Vishranthi
75	17351A0578	N. VISWESWARAIAH	N. Visweswarai
76	17351A0579	CH. YAMUNA	CH. Yamuna



77	17351A0580	J. YESAMMA	J. Yesamma
78	17351A0581	S. YOGESH KUMAR	S. Yogesh Kumar

SK. Saida  
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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An ISO 9000 : 2001 Certified Institution

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

Website : [www.drsgiet.ac.in](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## Programme Report

**Name of the Programme:** A TWO WEEK CERTIFICATE PROGRAMME ON DATA SCIENCE USING PYTHON

**Duration:** 22-07-2019 to 03 -08-2019

**Resource Person details:** Mr. SK. SAIDA, Assistant Professor, SGIT, Markapur.

**Number of Students attended:** 78

Dr. Samuel George Institute of Engineering And Technology organized "A TWO WEEK CERTIFICATE PROGRAMME ON DATA SCIENCE USING PYTHON " for III Year B.Tech students by the resource person Mr. SK.SAIDA from 22-07-2019 to 03 -08-2019. 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:**

- ❖ Apply quantitative modeling and data analysis techniques to the solution of real world business problems, communicate findings, and effectively present results using data visualization techniques.
- ❖ Recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.
- ❖ Apply ethical practices in everyday business activities and make well-reasoned ethical business and data management decisions.
- ❖ Demonstrate knowledge of statistical data analysis techniques utilized in business decision making.
- ❖ Apply principles of Data Science to the analysis of business problems.

### **Program Outcomes:**

- ❖ Know basic data types in Python.
- ❖ Know operators, how to clean and merge datasets.
- ❖ Know pandas library, the main methods for DataFrames.
- ❖ Know how to import data in Python.
- ❖ Know how to work in Jupyter Notebook
- ❖ Solve coding tasks related to the fundamental notions and techniques used in object-oriented programming

*Sk. Saida*  
**PROGRAMME COORDINATOR**

*Prakasam*  
**HOD-CSE**

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



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Website : [www.drsgiet.ac.in](http://www.drsgiet.ac.in)  
e-mail : [sgit.principal@gmail.com](mailto:sgit.principal@gmail.com)  
[drsgit\\_35@yahoo.co.in](mailto:drsgit_35@yahoo.co.in)

College Code : 35

## CIRCULAR

DATE: 09-08-2019

All the students of IV – B.Tech I – Semester CSE are hereby informed to attend the **A TWO WEEK CERTIFICATE PROGRAMME ON BLOCK CHAIN AND IOT** and the programme Scheduled from **19-08-2019** to **31-08-2019** 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

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-the-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 in Computer Science and Engineering.

The UG-CSE intake is 120 and PG-CSE intake is 36. The Department of CSE has 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. K V S NARAYANA

Principal

### PATRON

Prof. 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



## AT TWO WEEKS CERTIFICATION PROGRAMME ON

### BLOCK CHAIN AND IOT

19-08-2019 TO 31-08-2019

### 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

- Demonstrate the working of IoT and Blockchain
- Identify Consensus mechanism for Blockchain Application
- Discover the security challenges in IoT
- Analyze the need of BaaS for Organizations
- Apply the Blockchain usecases for IoT sector

## 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

### Block Chain and IOT

19-08-2019 TO 31-08-2019

- 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 **Block Chain and IOT** 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

ATwo weeks certification program on "**Block Chain and IOT**"

Dept of Computer Science and Engineering.,

DR SAMUEL GEORGE INSTITUTE OF  
ENGINEERING AND TECHNOLOGY

MAIL ID: [ppsnaik@gmail.com](mailto:ppsnaik@gmail.com)

PHONE: 9885926825



# Dr. Samuel George Institute of Engineering & Technology



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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

**Name of the Program:** A TWO WEEK CERTIFICATE PROGRAMME ON BLOCK CHAIN AND IOT

**FacultyName:** Dr. P.P.S. NAIK

**Year:** IV-B.Tech

**Academic Year:** 2019-2020

Day	Topic Covered
Day 1	Introduction to Internet of Things (IoT)- Concepts and definitions of
Day 2	History of IoT –IoT vs Conventional Network-IoT Architecture
Day 3	IoT Introduction to Blockchain-Generations of Blockchain Structure of Blockchain- Opportunit
Day 4	Building Blocks of Blockchain-Database-Block-Hash-Minor-Transaction-Smart Contracts
Day 5	Consensus Mechanisms-PoW-PoS-Characteristics of Blockchain
Day 6	Types of Blockchain-Permissioned Blockchain Permissionless Blockchain-Consortium Block chain
Day 7	IoT Layer Challenges – Sensing layer– Challenges in end nodes –Threat based on Network layer
Day 8	Service layer based threats-Application Interface layer –Cross layer Challenges-Challenge to implementation of IoT in Blockchain-IoT Device Integration challenges.
Day 9	Defining of Blockchain as a Service - IoT Cloud server security challenges– Cloud computing with BaaS
Day 10	Hybrid Cloud server with BaaS for Remote Monitoring-Case study: Industries adopting BaaS for security.
Day 11	Autonomous Decentralized peer to peer telemetry-Blockchain Enabled Security for Smart cities
Day 12	Blockchain Enabled Smart Home Architecture-Blockchain based self-managed VANETs- Security and privacy of data.

**PROGRAMME COORDINATOR**

**HOD-CSE**

HEAD OF THE DEPARTMENT  
COMPUTER SCIENCE & ENGINEERING  
DR. SGBET, MARKAPUR, A.P.

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

## Department of Computer Science and Engineering

**Name of the Programme:** A TWO WEEK CERTIFICATE PROGRAMME ON BLOCK CHAIN AND IOT

**List of Students Enrolled/Completed: 80**

**Year: IV-B.Tech**

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	SIGNATURE
1	16351A0501	SK. ABIDA	SK. Abida
2	16351A0502	K. AKHILA	K. Akhila
3	16351A0503	M. AMBIKA	M. Ambika
4	16351A0504	S. ANANDA LAKSHMI	S. Ananda Lakshmi
5	16351A0505	S. ANITHA	S. Anitha
6	16351A0506	K. ANUSHA	K. Anusha
7	16351A0507	M. ARUNA	M. ARUNA
8	16351A0508	S. ARUNA	S. ARUNA
9	16351A0509	D. BALAJI	D. Balaji
10	16351A0510	K. BALA NARASIMHULU	K. Bala Narasimhulu
11	16351A0511	B. BHARATH	B. Bharath
12	16351A0512	T. BHASHITHA	T. Bhashitha
13	16351A0514	K. GOVARDHANA GIRI	K. Govardhanagiri
14	16351A0515	B. HANUMESH	B. Hanumesh
15	16351A0516	D. HARICHANDANA	D. Harichandana
16	16351A0517	M. HARI PRASAD	M. Hari Prasad
17	16351A0518	J. IMRAN	J. Imran
18	16351A0519	K. ISWARYA	K. Iswarya
19	16351A0520	K. JOHNSON PAUL	K. Johnson Paul
20	16351A0521	Y. JYOTHI	Y. Jyothi
21	16351A0522	P. KALYANI	P. Kalyani
22	16351A0523	SK. KHAJA HUSSIAN	SK. KAJA HUSSIAN
23	16351A0524	K. KIRAN KUMAR	K. Kiran Kumar
24	16351A0525	M. KRISHNAVENI	M. Krishnaveni
25	16351A0526	Y. LAKSHMI CHAITANYA	Y. Lakshmi Chaitanya
26	16351A0527	A. LAKSHMI KALYANI	A. Lakshmi Kalyani
27	16351A0528	P. LAKSHMI MOUNIKA	P. Lakshmi Mounika
28	16351A0529	B. MADHU	B. Madhu
29	16351A0530	S. MAHESWARA REDDY	S. Maheswarareddy
30	16351A0531	M. MAMATHA	M. Mamatha
31	16351A0532	K. MEGHANA	K. meghana



32	16351A0533	P. NAGENDRAMMA	P. Nagenchamma
33	16351A0534	D. NAVANEETH KUMAR	D. Navaneeth Kumar
34	16351A0535	R. NAVEEN	R. Naveen
35	16351A0536	R. NAVEENA	R. Naveena
36	16351A0537	M. NIKITHA	M. Nikitha
37	16351A0538	P. OLAKKA	P. Olakka
38	16351A0539	I. PARAMESWARA REDDY	I. Parameswara Reddy
39	16351A0540	R. PAVAN KALYAN	R. Pavan Kalyan
40	16351A0541	SK. PEDDA NAGOOR SAIDA VALI	SK. Peddaganoor Saidaval
41	16351A0542	D. PRAVEEN KUMAR	D. Praveen Kumar
42	16351A0543	S. RAJINI	S. Rajini
43	16351A0544	K. RAKESH GOUD	K. Rakesh Goud
44	16351A0545	G. RAMYA	G. Ramya
45	16351A0546	P. RATNA PRIYA REEFATH	P. Ratnapriya Reefath
46	16351A0547	G. RAVINDRA NAIK	G. Ravindra Naik
47	16351A0548	G. RIPKA	G. Ripka
48	16351A0549	M. ROSAMMA	M. Rosamma
49	16351A0550	P. CHENNAKESAVA	P. Chennakesava
50	16351A0551	M. SAI CHENNAREDDY	M. Sai Chennareddy
51	16351A0552	CH. SAIDURGA	CH. Saidurga
52	16351A0553	K. SAI KIRAN ACHARI	K. Saikiranachari
53	16351A0555	SK. SAJIDA	SK. Sajida
54	16351A0556	SD. SALEEM	SD. Saleem
55	16351A0557	Y. SARASWATHI	Y. Saraswathi
56	16351A0558	P. SHAKEENA	P. Shakeena
57	16351A0559	P. SHIRISHA	P. Shirisha
58	16351A0560	R. SHIRISHA	R. Shirisha
59	16351A0561	K. SHYAMALA	K. Shyamala
60	16351A0562	G. SIREESHA	G. Sireesha
61	16351A0563	R. SIREESHA	R. Sireesha
62	16351A0564	T. SIRISHA	T. Sirisha
63	16351A0565	T. SIRISHA	T. Sirisha
64	16351A0566	G. SOLOMONRAJ	G. Solomonraj
65	16351A0568	A. SRILEKHA	A. Srilekha
66	16351A0569	C. SRINIVASA REDDY	C. Srinivasa Reddy
67	16351A0570	R. SRI RANGA PHANI PRASAD	R. Sri Ranga Phani Prasad
68	16351A0571	G. SUPRIYA	G. Supriya
69	16351A0572	T. SWATHI	T. Swathi
70	16351A0573	V. SWATHI	V. Swathi
71	16351A0574	S. TULASI REDDY	S. Tulasi Reddy
72	16351A0575	S. MUDAY VAMSI NAIK	S. Muday Vamsi Naik
73	16351A0576	T. VANI	T. Vani
74	16351A0577	P. VEERANJANEYELU	P. Veeranjaneylu
75	16351A0578	N. VENKATA SAI KUMAR	N. Venkata Sai Kumar
76	16351A0579	CH. VENKATA SRUTHI	CH. Venkata Sruthi
77	16351A0580	A. VENKATESWARLU	A. Venkateswarlu



78	16351A0581	G. VENNELA	G. vennela.
79	16351A0583	P. YASWANTH CHOWDARY	P. Yaswanth Chowdary
80	16351A0584	P. YASWANTH KUMAR	P. Yaswanth Kumar

  
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 BLOCK CHAIN AND IOT

**Duration:** 19-08-2019 to 31 -08-2019

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

**Number of Students attended:** 80

Dr. Samuel George Institute of Engineering And Technology organized “TWO WEEK CERTIFICATE PROGRAM ON BLOCK CHAIN AND IOT ” for IV Year B.Tech students by the resource person Dr.P.P.S. Naik from 19-08-2019 to 31-08-2019. 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 understand the working of IoT and Blockchain
- To identify consensus mechanism and apply blockchain for IoT sector.
- To understand the security challenges in IoT.

#### **Program Outcomes:**

- Demonstrate the working of IoT and Blockchain
- Identify Consensus mechanism for Blockchain Application
- Discover the security challenges in IoT
- Analyze the need of BaaS for Organizations
- Apply the Blockchain usecases for IoT sector

  
PROGRAMME COORDINATOR

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