



# GIET ENGINEERING COLLEGE

NH - 16, Chaitanya Knowledge City, GIET Campus, Rajamahendravaram,  
Andhra Pradesh - 533296 Website: <http://www.gietec.ac.in> Email: [principaleec@giet.ac.in](mailto:principaleec@giet.ac.in)

## CIRCULAR

Date: 24/10/2020

ORIGINATOR	ECE & EEE
CIRCULATED TO	Department of - CE, EEE, MECH, ECE, CSE, MBA, HBS, LIBRARY.

All faculty and students are hereby informed that the departments of ECE and EEE organizing a 5 day FDP on **VLSI Design and Modeling** from 02/11/2020 to 06/11/2020 in GIET ENGINEERING COLLEGE, Rajahmundry at Seminar Hall, C.V Raman Block.

We are requesting all faculty members to attend the session to make it grand success.

Venue: Seminar hall, C.V Raman Block

Date of programme: 02/11/2020

*K*

*B. B. K.*  
*AS*  
*Q*  
*M. S. S.*



*30*

*Q*

Principal  
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NH-16, Chaitanya Knowledge City,  
RAJAHMUNDRY-533 296.

*[Signature]*

**PRINCIPAL**

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GIET ENGINEERING COLLEGE,  
NH-16, Chaitanya Knowledge City,  
RAJAHMUNDRY - 533 296.



**FIVE DAYS FACULTY DEVELOPMENT PROGRAMME ON VLSI Design and Modeling**

**ORGANIZED BY ECE & EEE**



**DATES: 02-11-2020 (TQ) 06-11-2020.**

**COVENOR**

**Dr. B. JAGADEESH (Dept. of ECE)**

**COORDINATOR Dr. B. VAMSI KRISHNA (Dept. of EEE)**

**GIET ENGINEERING COLLEGE**

GIET Engineering College was established in 2005 by Chaitanya Group & located at Chaitanya knowledge city on NH-5 on the outskirts of Rajahmundry in the GIET Campus. GIET Engineering College is an epitome of excellence in every aspect. Approved by AICTE and affiliated to JNTU Kakimada, the institute offers undergraduate programs in diverse engineering streams. It features state-of-the-art facilities and highly qualified and knowledgeable pool of staff members. Apart from the prescribed course-curriculum, the institute offers an entire range of auxiliary programs aimed at providing an entire educational experience. It has been a pioneer in adopting several pedagogic innovations for the benefits of students. The achievements of the students of this institution in academics as well as placements stand testimony to the facts the Hosting Departments.

**ABOUT THE HOSTING DEPARTMENTS**

The department of ECE & EEE was established in 2005, the department imparts state-of-the-art and quality education, training and research in the field of electronics and communication and engineering.

**ABOUT THE OBJECTIVE OF IDP**

In EEE branch students have to study Electrical as well as Electronics. The study and applications of electrical systems for use in different environments and contain basic electronic courses and more power systems.

EEE branch deals with electrical electronics. Electronics branch deals with electrical technology and machines, circuits, analysis and electro-magnetism. Electrical engineering materials, instrumentation control systems, power engineering transmission and distribution.

ECE aspirants deal with electronics with some part of communications. The subject uses the scientific knowledge of the behavior and effects of electronics to develop devices, systems or equipment devices that use electricity as part of its driving forces. Also, it contains basics on electric machines, on integrated circuits and communications systems.

**ELIGIBILITY**

The program is open to all the students of AICTE approved engineering colleges and faculties.

A five days faculty development programme on VLSI Design and Modelling (02/11/2020 to 06/11/2020) GIET ENGINEERING COLLEGE.

Department of \_\_\_\_\_

- 1. Name:
2. Date of Birth:
3. Branch:
4. College Name:
5. Address for Correspondence with e-mail and phone no.:

**Declaration:**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinators in case, I am unable to attend the course.

Place:

Date:

Signature of the applicant

Online Registration: led.gite@gmail.com

Resource persons for this program: B.venkatesh, Asst.Prof, ISTS Womens Engineering college, East Gonagudem. The resource persons those who will be conducting the program are the eminent academicians from reputed institutions.

Registration Fee: Rs. 250/- per participant.

**Chief Patron**

Dr.K.V.V.Satyanaarayana Raju Chairman, Chaitanya Group of institutions.

Sri.K.Sasi Kiran Varma vice chairman, GIET institutions

Smt.K.Lakshmi Sasi Varma Executive Director, GIET institutions

**Co-Patrons**

Dr. D.L.N.Raju CEO, GIET institutions
Dr. P. Subba Raju General Manager, GIET institutions.

Principal Dr.T.Vamsi kiran Principal, GIET engineering college



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Department of ECE & EEE

## 5-Day FDP on VLSI Design and Modeling

### SCHEDULE SHEET

DATE	TIME	TOPIC
DAY1	10 AM TO 11.30 PM	Inauguration
	11.30AM TO 11:45PM	Break
	11:45AM TO 1:00 PM	Introduction
	2PM TO 4.30 PM	Evolution of Electronics & VLSI Design.
DAY2	10 AM TO 1PM	VLSI- Monolithic and Hybrid IC
	2PM TO 4.30 PM	VLSI Design isolation, Oxide isolation, Diode Isolation, Building blocks, Layout of Passive element.
DAY3	10 AM TO 1PM	Resistor geometry, Power dissipation, Power density, Tolerance.
	2PM TO 4.30 PM	Design of semiconductor diffused resistors, thin film resistor and Monolithic Capacitor.
DAY4	10 AM TO 1PM	Analytical modelling of MOS Devices in VLSI, Deep sub- micron modelling, Advance MOSFET Design Structure
	2PM TO 4.30 PM	Design of Silicon Integrated circuits, Concept of buried layer, Initial Artwork, Isolation Diffusion
DAY5	10 AM TO 1PM	CMOS Digital IC Design, Threshold Voltage of Digital IC, Inverter Design
	2PM TO 4.30 PM	Valedictory

*B. S. Jyoti*  
CONVENOR



*[Signature]*  
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### 5-Day FDP on VLSI Design and Modeling.

### Attendance Sheet

SNO	NAME OF THE FACULTY	ATTENDANCE				
		02-11-2020	03-11-2020	04-11-2020	05-11-2020	06-11-2020
1	Kotikalapudi Shiva Sankar	Shivashankar	Shivashankar	Shivashankar	Shivashankar	Shivashankar
2	Ch. Venkateswarlu	Ch. Venkatesh	Ch. Venkatesh	Ch. Venkatesh	Ch. Venkatesh	Ch. Venkatesh
3	Ch. Satish	Ch. Satish	Ch. Satish	Ch. Satish	Ch. Satish	Ch. Satish
4	G. Sri Lakshmi	Sri Lakshmi	Sri Lakshmi	Sri Lakshmi	Sri Lakshmi	Sri Lakshmi
5	Robia Tasneem	R. Tasneem	R. Tasneem	R. Tasneem	R. Tasneem	R. Tasneem
6	B.S.S Vidya	Vidya	Vidya	Vidya	Vidya	Vidya
7	T. Vishnu Murthy	Murthy	Murthy	Murthy	Murthy	Murthy
8	Pidugu Krishna Chaitanya	P.K. Chaitanya	P.K. Chaitanya	P.K. Chaitanya	P.K. Chaitanya	P.K. Chaitanya

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SNO	NAME OF THE FACULTY	ATTENDANCE				
9	K Deepthi	Deepthi	Deepthi	Deepthi	Deepthi	Deepthi
10	D.V Venkata lakshmi	D. lakshmi	P. lake	D. lake	D. lake	D. lake
11	Srinivas Mattaparthi	Sriniva	Sriniva	Sriniva	Sriniva	Sriniva
12	K. pasipabana Rao	K. Rao	K. Rao	K. Rao	K. Rao	K. Rao
13	P. Ramya Krishna	P. Ramya Krishna	P. Ramya Krishna	P. Ramya Krishna	P. Ramya Krishna	P. Ramya Krishna
14	P. Venkatesh	P. Venkatesh	P. Venkatesh	P. Venkatesh	P. Venkatesh	P. Venkatesh
15	P. Anuradha	P. Anuradha	P. Anuradha	P. Anuradha	P. Anuradha	P. Anuradha
16	Gunnam Durga devi	Anuradha	Durgadevi	Durgadevi	Durgadevi	Durgadevi
17	Ashok Reddy sathi	Sathi	Sathi	Sathi	Sathi	Sathi
18	K. Saranya Rani	K. Rani	K. Rani	K. Rani	K. Rani	K. Rani
19	M. Mani Shankar	Mani	Mani	Mani	Mani	Mani
20	M. Veera chandra kumar	Veera	Veera	Veera	Veera	Veera

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SNO	NAME OF THE FACULTY	ATTENDANCE				
21	P. Vandana	Pu	Pu	Pu	Pu	Pu
22.	Ch. Ganesh Kumar	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
23.	R.V. Parvathi	R. Parvi	R. Parvi	R. Parvi	R. Parvi	R. Parvi
24	L. Yogi	L. Yogi	L. Yogi	L. Yogi	L. Yogi	L. Yogi
25	P.D.V. Lakshmi	p. Lami	p. Lami	p. Lami	p. Lami	p. Lami
26	N. Seshu Kumar	N. Seshu	N. Seshu	N. Seshu	N. Seshu	N. Seshu
27	M. Rama Krishna	Ro	Ro	Ro	Ro	Ro
28.	Ch. Anusha	Ch	Ch	Ch	Ch	Ch
29.	S.V. Saralabha	S	S	S	S	S
30.	K. Ramakrishna	K. Ram	K. Ram	K. Ram	K. Ram	K. Ram

*[Signature]*

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*[Signature]*  
Signature of the Convenor



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5-Day FDP on VLSI Design and Modeling Date: 02/11/2020

### Programme Objectives


In the last few years, VLSI Design Technologies have gained immense popularity in the research community. The aim of this FDP is to provide research aspects and solutions to the various problems related to the VLSI Design & Modelling.

1. To provide a comprehensive overview of the fundamental concepts as well as latest CAD TOOLS (Mentor Graphics & Silvaco).
2. Focus on emerging concepts of VLSI Design & Modelling.
3. To expand the in-depth knowledge of faculties, industry delegates.
4. To generate more open problems for research in related areas.

  
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### Summary Report

Date: 08/11/2020

#### **Description:**

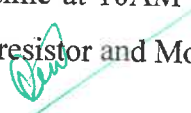
5-Day FDP Programme on "**VLSI Design and Modeling**" was conducted for the academic staff of several colleges, including GIET Engineering College, and will run from 02/11/2020 to 06/11/2020. The FDP's resource person was B.Venkatesh, Department Of ECE, Assistant professor, ISTS Womens Engineering College. Faculty members have gained in-depth knowledge of upcoming demands in many research fields, criteria to be taken into account when publishing papers in reputable journals, and various cutting-edge teaching techniques.

On 02-11-2020 function was inaugurated by the chairman sri.K.V.V.Satyanarayana Raju garu, Principal Dr.T.Vamsee kiran garu, HOD Of ECE Dr.B.Jagadeesh and all the teaching staff of ECE &EEE.

On the same day Session was taken by the Resource person .B.Venkatesh has given introduction about.

On the 2<sup>nd</sup> day session was started at 10AM and the resource person given his lecture on objectives of VLSI Design isolation, Oxide isolation, Diode Isolation, Building blocks, Layout of Passive element.

On the 3<sup>rd</sup> day Session was started usual time at 10AM and given the lecture on Design of semiconductor diffused resistors, thin film resistor and Monolithic Capacitor

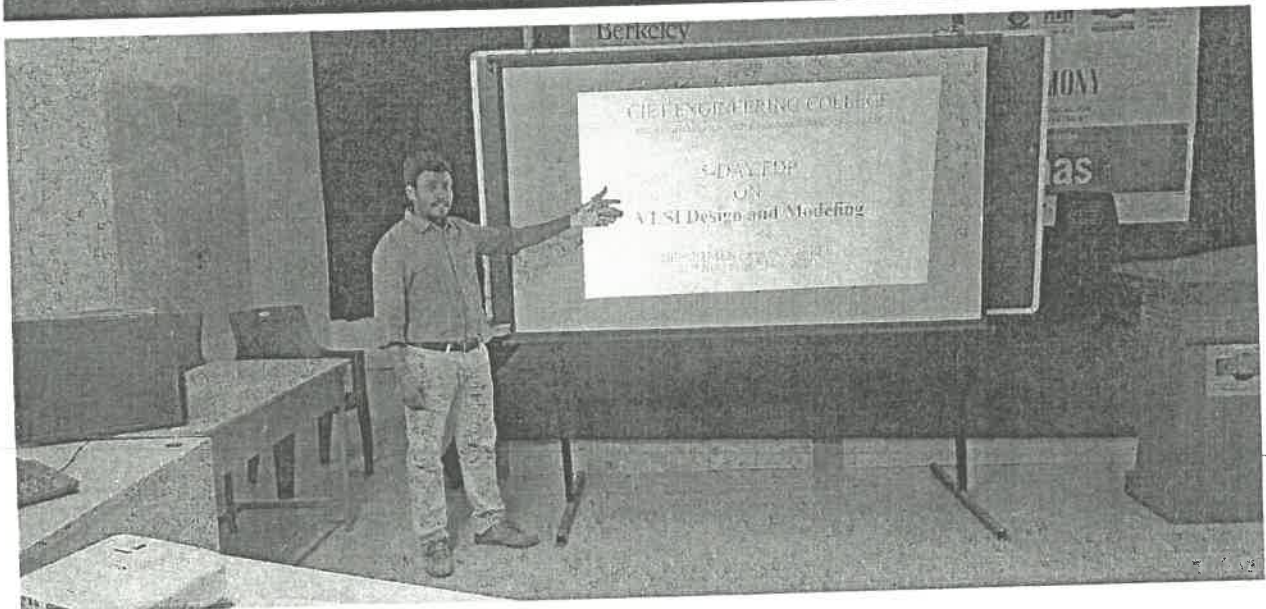
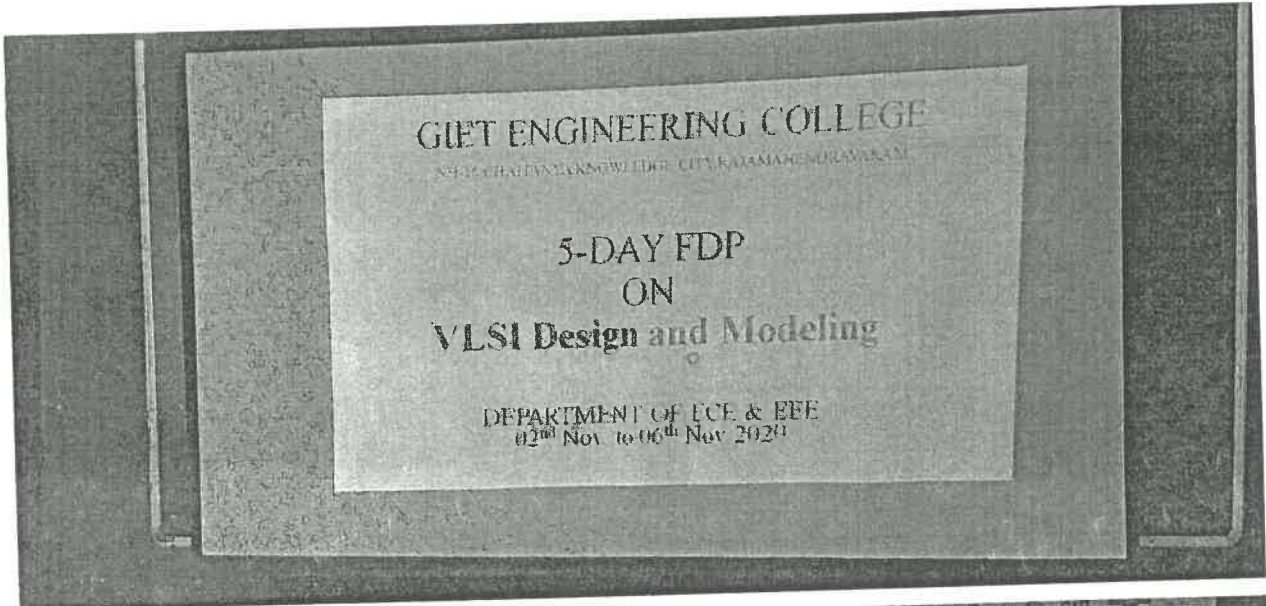
  
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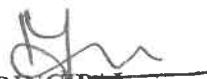
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Resource person Demonstrating about VLSI Design and Modeling

  
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ORIGINATOR	CSE & IT
CIRCULATED TO	Department of – CE, EEE, MECH, ECE, CSE, MBA, HBS, LIBRARY.

Dt: 29/12/2020

### CIRCULAR

All staff and students are hereby informed that the departments of CSE organizing a 1-WEEK FDP on Data Analytics using Python from 04/01/2021 to 9/01/2021 in GIET ENGINEERING COLLEGE, Rajahmundry.

All the interested faculty are invited to utilize this opportunity attend the sessions.




  
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#### Copy to:

1. All the HODs
2. E-Circulation to among all the staff.
3. All notice boards
4. A.O
5. File

  
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## ABOUT COLLEGE

GIET Engineering College is an epitome of excellence in every aspect. Approved by AICTE and affiliated to JNTU, Kakinada (JNTUK) and accredited by NAAC, the institute offers undergraduate programs in diverse engineering streams. It features state-of-the-art facilities and highly qualified and knowledgeable pool of staff members. Apart from the prescribed course curricula, the institute offers an entire educational experience. It has been a pioneer in adopting several pedagogic innovations for the benefit of students. The achievements of the students of this institution in academics as well as placements stand testimony to the fact.

## ABOUT DEPARTMENT

Department of Computer Science and Engineering was started in the year 2005. It is offering graduate program B.Tech. Department has well qualified and dedicated faculty members. Department has produced good number of graduates well settled in industry and some are also involved in research activities

## ABOUT PROGRAM

Department of CSE looking forward to sharing many exciting stories and examples of analytics with all of you using python programming language.

problem.

This course includes examples of analytics in a wide variety of applications, and we hope that faculty will learn how to use analytics in different applications.

this FDP helps faculty and participants to share their ideas and gain the knowledge in the area of research in data analytics.

### Program Contents

- Python Fundamentals
- Probability concepts.
- Concepts of ANOVA
- Regression Algorithms
- Research concepts in data analytics

## ONE WEEK FACULTY DEVELOPMENT PROGRAM ON DATA ANALYTICS USING PYTHON

4<sup>th</sup> JAN to 9<sup>th</sup> JAN 2021

Organized by

*Department of  
Computer Science and  
Engineering*



*Principal*  
Principal  
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## **Registration form**

**ONE WEEK  
FACULTY DEVELOPMENT PROGRAM  
ON  
DATA ANALYTICS USING  
PYTHON**

Name of the Participant:

Name of the Institute:

Address for Correspondence:

Department:

Mail Id:

Phone no:

Signature of the participant:

Date :



### **CHIEF PATRON**

Sri.KVVS RAJU ,Chairman, Chaitanya Group

### **PATRONS**

Sri. Ravi Kiran Varma, Managing Director, KIMS  
Sri. Sasi Kiran Varma, Vice Chairman ,Chaitanya  
Group

Smt. K.V.V.Lakshmi, Executive Director,  
Chaitanya Group

### **CO-PATRONS**

Dr. P.Subba Raju, GM,GIET

### **CHAIRMAN**

Dr. SSN Raju ,Principal, GEC

### **CONVENER**

Dr. M.Ravi Sankar , HOD CSE

### **CO- CONVENER**

Mr. K. Naga Raju, Associate.Prof. CSE

### **RESOURCE PERSON**

Mr M.V.Rajesh  
Dept of CSE  
Pragatgus= Engineerig=College

### **ORGANISING COMMITTEE**

Mr.P.Sasi Kumar

Ms.B.Sai Deepthi

Mrs. T.Meenakshi

### **CONTACT :**

Mr K.Naga Raju,9989442311,  
nagarajuknr.k@gmail.com

Mr.P.Krishnanjanelu,9032221674 ,  
krishna54888@gmail.com

REGISTRATION FEES : 500Rs



# GIET ENGINEERING COLLEGE

APPROVED BY AICTE, AFFILIATED TO JNTUK: KAKINAD, ACCREDITED BY NAAC

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[naran.ssnraju@gmail.com](mailto:naran.ssnraju@gmail.com)

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### 5-DAY FACULTY DEVELOPMENT PROGRAM ON

### DATA ANALYTICS USING PYTHON

#### ATTENDANCE SHEET

S.NO	NAME OF THE FACULTY	04-01-2021	05-01-2021	06-01-2021	07-01-2021	08-01-2021	09-01-2021
1	VEERENDRA BETHINEEDI	Beth	Beth	Beth	Beth	Beth	Beth
2	SHIVA N V RAMANA MURTHY BANDA	Shiva	Shiva	Shiva	Shiva	Shiva	Shiva
3	ANJALI SATYAVATI YERRA	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali
4	RAMYA SETTI	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya
5	SYAMALA KALYANI KONDAPALLI	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani
6	APARNA KANCHIMENU	Aparna	Aparna	Aparna	Aparna	Aparna	Aparna
7	SRIKANTH VARMA BATTA	B.S.Varma	B.S.Varma	B.S.Varma	B.S.Varma	B.S.Varma	B.S.Varma
8	DR. A.RADHAKRISHNA	Radha	Radha	Radha	Radha	Radha	Radha
9	K. LAKSHMI VIVEKA	Viveka	Viveka	Viveka	Viveka	Viveka	Viveka
10	I. GAYATRI DEVI	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
11	G KUMARI	GK	GK	GK	GK	GK	GK
12	K. CHANDRA SEKHAH	KCh	KCh	KCh	KCh	KCh	KCh
13	MANAS KUMAR YOGI	Manas	Manas	Manas	Manas	Manas	Manas

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14	G. VIJAYA KUMAR	Gv	Gv	Gv	Gv	Gv	Gv
15	GEETA VIJAYA KUMAR	Gv	Gv	Gv	Gv	Gv	Gv
16	L. YAMUNA	<del>Lm</del>	<del>Lm</del>	<del>Lm</del>	<del>Lm</del>	<del>Lm</del>	<del>Lm</del>
17	K. SRIKANTH	K	K	K	K	K	K
18	A. HARINI	Harini	Harini	Harini	Harini	Harini	Harini
19	SRI LAKSHMI PULI	Sl	Sl	Sl	Sl	Sl	Sl
20	APPANA NAGA LAKSHMI	A	A	A	A	A	A
21	V. SURYA PRAKASH	Vsp	Vsp	Vsp	Vsp	Vsp	Vsp
22	P V KOMALI	P.V.komali	P.V.komali	P.V.komali	P.V.komali	P.V.komali	P.V.komali
23	N V S SOWJANYA	Sowji	Sowji	Sowji	Sowji	Sowji	Sowji
24	T.RAJESH	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
25	U.S.V.VINOD	Usv	Usv	Usv	Usv	Usv	Usv
26	ELLANDULA SHIREESHA	Shireesh	Shireesh	Shireesh	Shireesh	Shireesh	Shireesh
27	CHINTHAPANDU RAVALI	Ravali	Ravali	Ravali	Ravali	Ravali	Ravali
28	YAMA RAJYALAXMI	RL	RL	RL	RL	RL	RL
29	PITTLALA RAJITHA	Rajitha	Rajitha	Rajitha	Rajitha	Rajitha	Rajitha
30	VENKATA KRISHNA SURYA POTNURI	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna
31	CHALIKI ARCHANA REDDY	Ar	Ar	Ar	Ar	Ar	Ar
32	LAKSHMI KUMAR RAYAPATI	Lk	Lk	Lk	Lk	Lk	Lk

Principal

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33	TIMOTHY VEDALA	<i>Timothy</i>	<i>Timothy</i>	<i>Timothy</i>	<i>Timothy</i>	<i>Timothy</i>	<i>Timothy</i>
34	SAGARABOINA RAJARAJESHWARI DEVI	<i>Devi</i>	<i>Devi</i>	<i>Devi</i>	<i>Devi</i>	<i>Devi</i>	<i>Devi</i>
35	JANAKIRAMUDU SANGISETTI	<i>JAnu</i>	<i>JAnu</i>	<i>JAnu</i>	<i>JAnu</i>	<i>JAnu</i>	<i>JAnu</i>
36	LAKSHMIDURGARAYAPATI	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>
37	MUNISHA SHAIK	<i>SK. Munisha</i>	<i>SK. Munisha</i>	<i>SK. Munisha</i>	<i>SK. Munisha</i>	<i>SK. Munisha</i>	<i>SK. Munisha</i>
38	SAI DEEPTHI BATCHU	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>
39	PATRA SASI KUMAR	<i>Sasi</i>	<i>Sasi</i>	<i>Sasi</i>	<i>Sasi</i>	<i>Sasi</i>	<i>Sasi</i>
40	DURGA PRASAD YANAMADALA	<i>DP</i>	<i>DP</i>	<i>DP</i>	<i>DP</i>	<i>DP</i>	<i>DP</i>
41	MEENAKSHI TUMMALA	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>

CO-CONVENER

*[Signature]*

*[Signature]*

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M. R. Gaurav  
CONVENER



# GIET ENGINEERING COLLEGE

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NH-16, CHAITANYA KNOWLEDGE CITY, GIET CAMPUS, RAJAHMUNDRY, A.P., INDIA 533296  
TEL. 91-883-6577446, 9133833322, <http://www.gietec.ac.in>

[naran.ssnraju@gmail.com](mailto:naran.ssnraju@gmail.com), [ssnraju@giet.ac.in](mailto:ssnraju@giet.ac.in)

## ONE WEEK FDP ON DATA ANALYTICS USING PYTHON

Department of Computer Science and Engineering

### PROGRAM REPORT

Dt: 21-01-2021

Resource Person : Mr. M V Rajesh  
Assoc. Professor  
Department of CSE  
Pragati Engineering College

Duration : One Week  
Dates : 4<sup>th</sup> to 9<sup>th</sup> JAN 2021  
No.Of Participants : 43


Description : The ceremony was launched on 05/08/2019 by the chairman sri. K.V.V.Satyanarayana Raju garu, Principal Dr.T.Vamsi Kiran garu, HOD Of CSE Mr.K.Nagaraju, and all the CSE & IT faculty.

On the same day, the Resource person led a session in which he introduced basics of Python, principles and syntax.

The second day session began at 10 a.m., with the resource person delivering his presentation on probability introduction and sample distribution.

On the third day, the session began at 10 a.m. as normal, with a lecture on hypothesis testing, sample testing, and a discussion on ANOVA.

On the 4<sup>th</sup> day Session was started usual time at 10AM and given the lecture on Linear Regression and multiple regression.

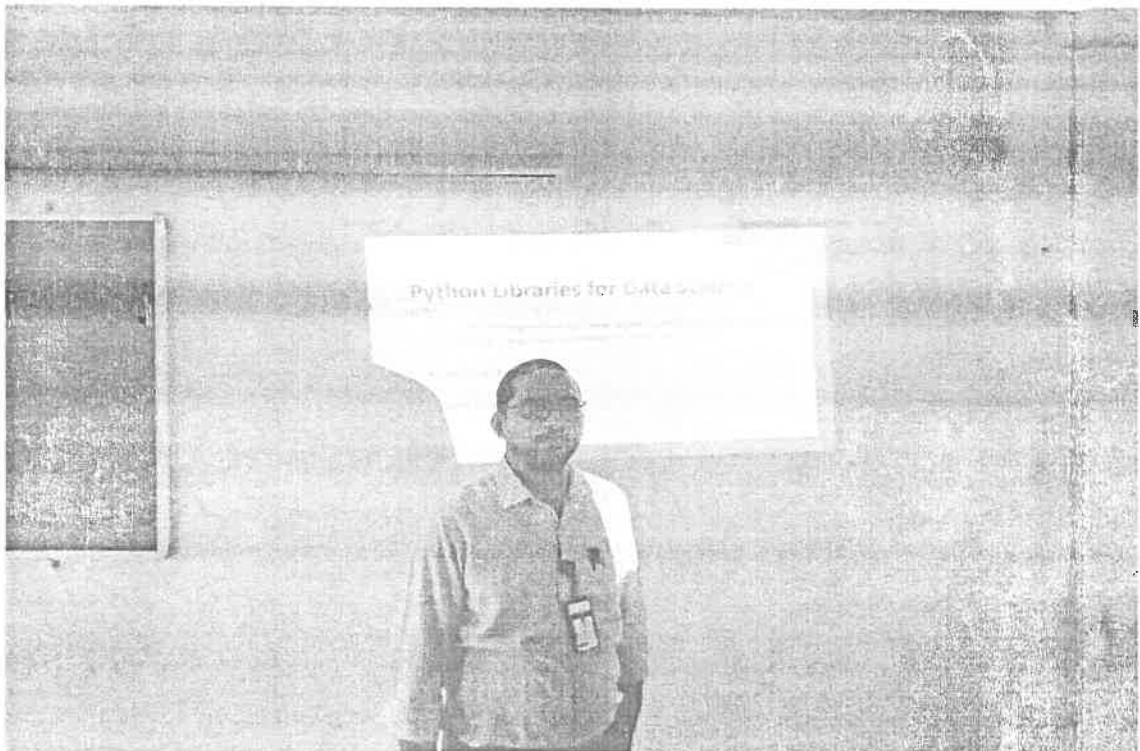
  
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On the fifth day, the session began at 10 a.m. as normal, with a lecture on the principles of MLE and Logistic Regression.

Clustering analysis was presented on the final day of the programme.

At the end of the session, the resource person was honoured by the Principal and HOD of CSE at GIET Engineering College.



*[Handwritten Signature]*  
CONVENER 21/11/21



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## Certificate

This is to certify that Dr/Mr/Mrs. G. KUMARI of Pougali Engg College.

participated in a Five Day Faculty Development Program on “Data Analytics Using Python” held from 4<sup>th</sup> to 9<sup>th</sup> January 2021, Organised by Department of Computer Science and Engineering, GIET Engineering College.

P. Sasi Kumar  
Co-ordinator

  
Principal  
GIET ENGINEERING COLLEGE,  
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## Certificate

This is to certify that Dr/Mr/Mrs. R. LAKSHMI KUMAR of GIET -Engg college  
participated in a Five Day Faculty Development Program on “Data Analytics Using Python” held  
from 4<sup>th</sup> to 9<sup>th</sup> January 2021, Organised by Department of Computer Science and Engineering,  
GIET Engineering College.

P. Sasi Kumar  
Co-ordinator

  
Principal  
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## Certificate

This is to certify that Dr/Mr/Mrs. T. MEENAKSHI of GIET Engg College participated in a Five Day Faculty Development Program on “Data Analytics Using Python” held from 4<sup>th</sup> to 9<sup>th</sup> January 2021, Organised by Department of Computer Science and Engineering, GIET Engineering College.

P. Sasi Kumar  
Co-ordinator

  
Principal  
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### CIRCULAR

Date : 15/02/2021.

ORIGINATOR	ME & CIVIL ENGINEERING
CIRCULATED TO	Department of - CSE , IT , ECE ,EEE ,MBA , HBS , LIBRARY,

All staff are hereby notified that the departments of ME & CIVIL will be holding a 5 Days Faculty Development Program on “**Behaviour of Fluid at Bends**” From 15/02/2021 to 20/02/2021 , everyday from 10 : 00 AM to 4 :30 PM , at the C.V Raman Block Seminar Hall

**Venue:** C.V Raman Block Seminar Hall

**Date :** 15/02/2021

**Copy To:**

- 1.All HoDs(for information)
- 2.Notice Board, IQAC
- 3.File

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**PRINCIPAL**  
Principal  
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RAJAHMUNDRY-533 296.

A Five Days Faculty Refresher Course

On

“Behaviour of Fluid at Bends”

15<sup>th</sup>-19<sup>th</sup> February 2021

\*\*\*

**REGISTRATION FORM**

Name :

Designation :

Department :

Institution/ :

College

Address :

Contact No :

E-mail ID :

Place:

Date:

**Applicant's Signature**

**Registration:** Participants have to send their registration form to the coordinators in the prescribed format duly attested by the Head of the Institution.

**REGISTRATION FEE:**

Fee – 300/-

**CHIEF PATRON**

**Sri. K.V.V. Satyanarayana Raju**

Chairman, GIET Institutions

**PATRON**

**Sri. Sasi Kiran Varma Kalidindi**

Vice Chairman, GIET Institutions

**Smt. Lakshmi Sasi Varma Kalidindi**

Executive Director, GIET Institutions

**Dr. P. Subba Raju,**

General Manager, GIET Institutions

**Dr. T.V. Prasad,**

Director QA, GIET Institutions

**CHAIRMAN**

**Dr. M.V.S. Babu**

Professor of ME & Principal GEC

**Coordinator**

**E.T. Chakrapani,**

Assot.Prof (Ph.D)

Head, Civil Engg. Dept.

**Convenor**

**Pinjarla Poorna Mohan,**

Sr. Asst.Prof (Ph.D)

Head, Mechanical Engg. Dept

**A 5-Day Faculty Refresher Course  
on**

**“Behaviour of Fluid at Bends”**

**6<sup>th</sup>-10<sup>th</sup> December 2021**



*Jointly Organized*

*by*

**Mechanical Engineering Department**

**&**

**Civil Engineering Department**



GIET Engineering College  
NH-16, Chaitanya Knowledge City,  
Rajahmundry-533 296, EAST Godavari District,  
Andhra Pradesh, India

*Principal*  
**GIET ENGINEERING COLLEGE,  
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### ABOUT THE COLLEGE:

The college is located at Chaitanya Nagar on NH-16 on the outskirts of Rajamahendravaram, in GIET campus. GIET Engineering College is an epitome of excellence in every aspect. Institute is Approved by AICTE and affiliated to JNT University Kakinada (JNTUK).

The Institute got accredited by NAAC. The institute offers undergraduate programs in diverse engineering streams. It features state-of-the-art facilities and highly qualified and knowledgeable pool of staff members.

Apart from the prescribed course curricula, the institute offers an entire educational experience with greater exposure of students advanced skill learning via existing centres of excellence. It has been a pioneer in adopting several pedagogic innovations for the benefit of students. The achievements of the students of this institution in academics as well as placements stand testimony to the fact.

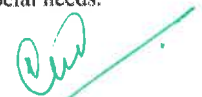
The institute is offering 4 UG programmes in engineering with 360 intake, 1 PG programmes including MBA & MCA.

- B.Tech. Mechanical Engineering
- B.Tech. Electronics Communication Engineering
- B.Tech. Information Technology
- B.Tech. Computer Science Engineering
- B.Tech. CSE(Artificial Intelligence and Machine Learning)
- B.Tech. CSE (Cyber Security)
- B.Tech. CSE (Data Science)
- M.B.A.
- M.C.A.

### ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering is one of the leading departments in the Institute, with highly qualified full-time faculty members and full-time administrative and technical support staff. The department offers B.Tech., M.Tech., and Ph.D. degree programs, with over 600 undergraduate, 40 M.Tech. students on roll. The department has over 20 instructional and research laboratories, equipped with some of the state-of-the-art scientific instruments, latest software's and systems. The vision of the department is to be recognized as a center of excellence in Mechanical Engineering education, research and consultancy. To achieve this goal, the department strives to engender high quality graduates through scrupulous courses and progressive research activities. The students in the department are encouraged to take contemporary the problems faced by industries and society. Students are educated to deal with those problems through innovative thinking to develop appropriate technological solutions. In addition to the regular academic work, the students of the department are encouraged to participate in co-curricular activities. Research interest of the faculty members Design Engineering, Manufacturing Engineering and Thermal Engineering.

Civil Engineering is a good choice for students who want to work directly with society and serve it. The primary purpose of any Civil Engineer is to provide various facilities and build necessary infrastructure to meet all social needs.

  
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### ABOUT THE PROGRAMME:

Fluid power has the highest power density of all conventional power-transmission technologies. Fluid power systems are extensively used in industrial applications such as manufacturing, processing, mining, construction, and mineral sectors. It provides many advantages over mechanical and electrical systems, such as ease of operation, simple construction, and control accuracy.

To improve productivity, efficiency, and safety, there has been a significant increase in the application of fluid power technology in industrial applications in the recent past. Due to its step-less variation in speed, high torque at low speed, and high power density, hydraulic systems are now extensively used in industrial and mobile applications. The global researchers and academicians in the said area are much engaged in innovative and advanced research in designing the fluid power components, drive, and control systems. Looking into the current scenario of fluid power technology in industrial and mobile applications, there is a need for a highly skilled and trained workforce in the concerned area through technology transfer.

### TOPICS TO BE COVERED:

- Physical Properties Of Fluids
- Equation Of Continuity For One Dimensional Flow
- Bernoulli's Equations For Flow Along A Stream Line
- Darcy Weisbach Equation
- Separation Of Boundary Layer, Control Of Flow Separation

### RESOURCE PERSONS:

1. Dr I Siva Parvathi M.E(Hydraulics, Coastal & Harbour Engg.), M.E(Structures) Associate Professor Dept. of Civil Engineering Andhra University College of Engineering(A) Visakhapatnam-530003, A.P, INDIA .



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### DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program

on


Behaviour of Fluid at Bends

### SCHEDULE SHEET

DAY	TIME	TOPIC
DAY 1	10 : 00 TO 11 : 30	Inauguration
	11 : 30 TO 11 : 45	Break
	11 : 45 TO 01 : 00	Introduction
	11 : 00 TO 04 : 30	Physical Properties Of Fluids-
DAY 2	10 : 00 TO 01 : 00	Types Of Manometers
	11 : 00 TO 04 : 30	Equation Of Continuity For One Dimensional Flow
DAY 3	10 : 00 TO 01 : 00	Bernoulli's Equations For Flow Along A Stream Line
	11 : 00 TO 04 : 30	Darcy Weisbach Equation-
DAY 4	10 : 00 TO 01 : 00	Separation Of Boundary Layer, Control Of Flow Separation
	11 : 00 TO 04 : 30	Manometric Head- Losses And Efficiency
DAY 5	10 : 00 TO 11 : 00	Hydrodynamic Force Of Jets
	11 : 00 TO 12 : 30	valedictory

  
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### DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program

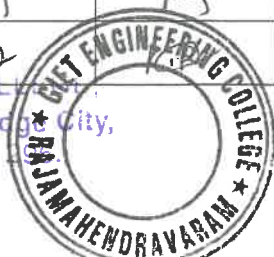
on

Behaviour of Fluid at Bends

#### Teaching Staff Attendance Sheet

S.NO	NAME OF THE FACULTY	15/02/21	16/02/21	17/02/21	18/02/21	19/02/21
01.	M. A. Kashyap.	M.A.k	M.A.k	M.A.k	M.A.k	M.A.k
02.	k. Divya Teja.	K.Dt	K.Dt	K.Dt	K.Dt	K.Dt
03.	Y. Siri chowdary.	Ysch	Ysch	Ysch	Ysch	Ysch
04.	P. Vipin Raj.	Raj	Raj	Raj	Raj	Raj
05.	G. Prema suathi	G.P.S	G.P.S	G.P.S	G.P.S	G.P.S
06.	S. Rajesh kumar.	S.Rk	S.Rk	S.Rk	S.Rk	S.Rk
07.	S. Teja Venkata Nara yana	Sten	Sten	Sten	Sten	Sten
08.	Durga Gude.	DG	DG	DG	DG	DG
09.	G. Anjaneyulu.	A	A	A	A	A
10.	D. Venkata Garaga	D.vg	D.vg	D.vg	D.vg	D.vg
11.	k. Chandrika.	Kch	Kch	Kch	Kch	Kch
12.	V. Raja Veerawilson	V.Ren	V.Ren	V.Ren	V.Ren	V.Ren
13.	E. Tirumala chakra dhar	E.T	E.T	E.T	E.T	E.T
14.	k. Sai sasidharo.	K.SS	K.SS	K.SS	K.SS	K.SS
15.	K. Yedukondalu.	Y	Y	Y	Y	Y
16.	V. Avinash.	V.Am	V.Am	V.Am	V.Am	V.Am
17.	D. Suryanarayana	D	D	D	D	D
18.	M. Shrinivas	M	M	M	M	M
19.	k. Rajendra prasad	K.P	K.P	K.P	K.P	K.P

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### DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program

on

Behaviour of Fluid at Bends

#### Teaching Staff Attendance Sheet

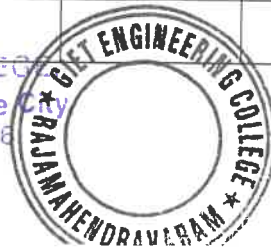
S.NO	NAME OF THE FACULTY	15/02/21	16/02/21	17/02/21	18/02/21	19/02/21
20.	M. Harika chowdary	M.Hd	M.Hd	M.Hd	M.Hd	M.Hd
21.	P. Sridevi	P.S	P.S	P.S	P.S	P.S
22.	S.N.S. Maruthy Vidy	MV	MV	MV	MV	MV
23.	J.D. Venkatesh.	JDV	JDV	JDV	JDV	JDV
24.	J. Rajashukharr.	JR	JR	JR	JR	JR
25.	P.S. Ranjit.	PR	PR	PR	PR	PR
26.	A. Saravanam.	AS	AS	AS	AS	AS
27.	K. Aruna.	KA	KA	KA	KA	KA
28.	K.J.U. Murthy.	KJMU	KJMU	KJMU	KJMU	KJMU
29.	P. Rambabu.	PR	PR	PR	PR	PR
30.	M. Nirmal devi	ND	ND	ND	ND	ND
31.	S.K. Nayeem.	SK	SK	SK	SK	SK
32.	S.K. Avinash Kapil	SKA	SKA	SKA	SKA	SKA
33.	P.V.V.S. Maneeendra	MN	MN	MN	MN	MN
34.	manoj kumar roy	MKR	MKR	MKR	MKR	MKR
35.	A. kumar.	AK	AK	AK	AK	AK
36.	J. Santosh kumar.	JK	JK	JK	JK	JK
37.	A. Babji	AB	AB	AB	AB	AB

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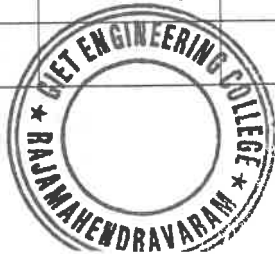
### DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program  
on  
Behaviour of Fluid at Bends

#### Teaching Staff Attendance Sheet

S.NO	NAME OF THE FACULTY	15/02/21	16/02/21	17/02/21	18/02/21	19/02/21
38	V. Ratna Kumar	Vrk	Vrk	Vrk	Vrk	Vrk
39	V. Malikanjun.	Vm	Vm	Vm	Vm	Vm
40	A. Anil Kumar	Anil	Anil	Anil	Anil	Anil
41	A. Anji Babu	Anji	Anji	Anji	Anji	Anji
42	P. Durga Prabu	NPP	NPP	NPP	NPP	NPP
43	Y. Dhara Shekar	Y.Dhara	Y.Dhara	Y.Dhara	Y.Dhara	Y.Dhara
44	V. Satya narayana	V.Satya	V.Satya	V.Satya	V.Satya	V.Satya
45	G. Noga Kumar	G.Noga	G.Noga	G.Noga	G.Noga	G.Noga
46	N. Chaitanya nitra	N.Chaitanya	N.Chaitanya	N.Chaitanya	N.Chaitanya	N.Chaitanya
47	G. Sai Lasya	G.Sai Lasya	G.Sai Lasya	G.Sai Lasya	G.Sai Lasya	G.Sai Lasya

*[Handwritten signature]*



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### DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program  
on  
Behaviour of Fluid at Bends

#### OBJECTIVES

- To understand the Properties Of Fluids, Its Kinematic And Dynamic Behavior Through Various Laws Of Fluids Like Continuity, Euler's, Bernoulli's Equations, Energy And Momentum Equations. Variational And Weighted Residual Formulations
- To understand the concept of fluid and its properties, manometry, hydrostatic forces acting on different surfaces
- To understand basic laws of fluids, flow patterns, viscous flow through ducts
- To understand the concepts related to boundary layer theory, flow separation, basic concepts of velocity profiles, dimensionless numbers and dimensional analysis.



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### DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program  
on  
Behaviour of Fluid at Bends

Venue: C.V Raman Block Seminar Hall

Date: 20/02/21


#### "Summary Report"

#### Description:


The 5-day FDP programme on "**Behaviour of Fluid at Bends**" was conducted for the academic staff of several colleges, including GIET Engineering College, and will run from 15-02-2021 to 19-02-2021. The FDP's resource person was **Dr I Siva Parvathi M.E(Hydraulics, Coastal & Harbour Engg.), M.E(Structures) Associate Professor Dept. of Civil Engineering Andhra University College of Engineering(A) Visakhapatnam-530003, A.P, INDIA** . Faculty members have gained in-depth knowledge of upcoming demands in many research fields, criteria to be taken into account when publishing papers in reputable journals, and various cutting-edge teaching techniques.

#### Programme Outcomes :

- Describe The Physical Properties Of A Fluid.
- Describe The Motion Of Fluids.
- Describe The Principles Of Motion For Fluids.
- Describe The Areas Of Velocity And Acceleration.
- Identify Derivation Of Basic Equations Of Fluid Mechanics And Apply
- Identify How To Derive Basic Equations And Know The Related Assumptions.

  
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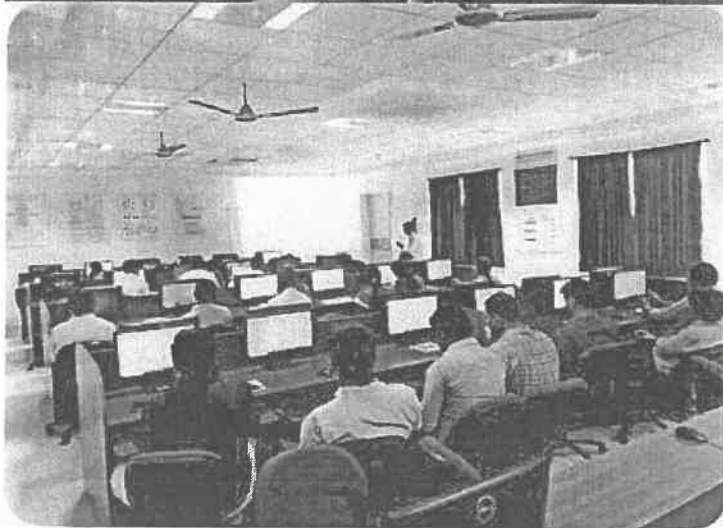
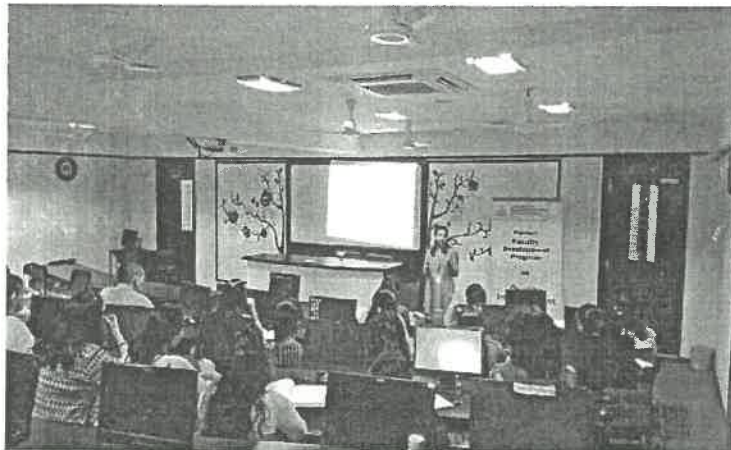


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## DEPARTMENT OF CIVIL & ME ENGINEERING

5 DAYS Faculty Development Program  
on  
Behaviour of Fluid at Bends



Principal  
T ENGINEERING COLLEGE  
16, Chaitanya Knowledge City,  
RAJAHMUNDRY-533 296.

Resource person demonstrating about Behaviour of Fluid at Bends

CONVENOR



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### Certificate of Appreciation

This is to certify that Mr/Ms/Dr. K. Divya Teja has participated a 5-Day Faculty Development Program on " Behaviour of Fluid at Bends " held from 15th -19th February 2021, organized by Civil Engineering Department and Mechanical Engineering Department, GIET Engineering College.

**Convenor**

**Principal**  
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### Certificate of Appreciation

This is to certify that Mr/Ms/Dr. Manoj Kumar Roy has participated a 5 -Day Faculty Development Program on " Behaviour of Fluid at Bends " held from 15th -19th February 2021, organized by Civil Engineering Department and Mechanical Engineering Department, GIET Engineering College.

  
Convenor

  
Principal  
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