



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P., India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

Date: 30-07-2022

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “LECTURE AND ANALYSIS ON MATLAB PROGRAMS” from 01-AUG-2022 TO 07-AUG-2022. The program will be organized by the department of ELECTRONICS AND COMMUNICATION ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

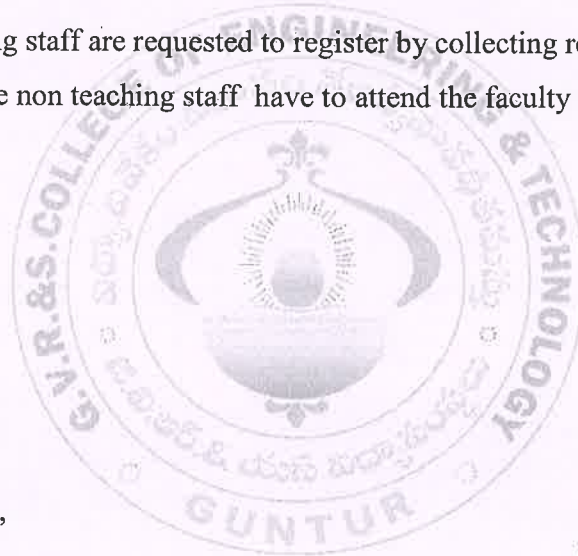
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



  
PRINCIPAL

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GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 30/07/2022

To

The Principal,

GVR&S College of Engineering & Technology

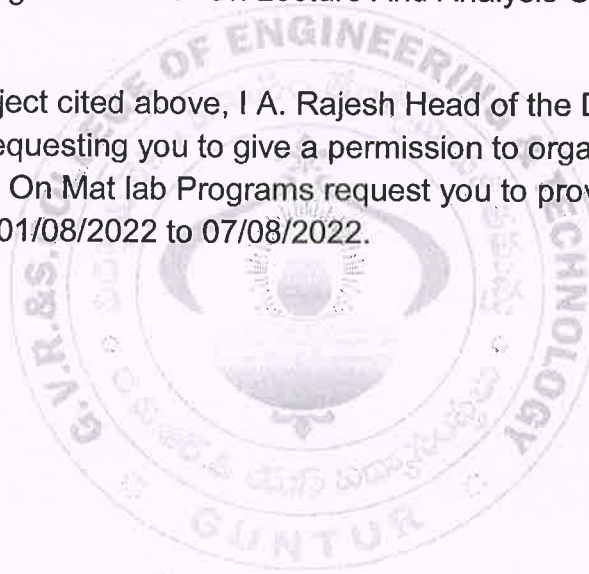
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP On Lecture And Analysis On Mat lab Programs -  
Req.

In accordance to subject cited above, I A. Rajesh Head of the Department, ECE, here with this letter requesting you to give a permission to organize 7 days FDP on Lecture And Analysis On Mat lab Programs request you to provide all the needed facilities. Dates from 01/08/2022 to 07/08/2022.

Thanking you sir,



Yours Sincerely,  
*A. Rajesh*  
A. Rajesh

Head of the Department, ECE

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
PRINCIPAL  
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Electronics and Communication Engineering Minutes of Meeting

Date: 30-07-2022

A meeting was held on 30-07-2022 in ECE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **LECTURE AND ANALYSIS ON MATLAB PROGRAMS** from 01-08-2022 to 07-08-2022.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) A. RAJESH is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **LECTURE AND ANALYSIS ON MATLAB PROGRAMS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 30-07-2022.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	M.B.NARENDRA	ASST. PROF	
2	G. KRANTHI	ASST. PROF	
3	G.Prasanthi	ASST. PROF	
4	Ch.Narasimha Rao	ASST. PROF	
5	S.Prathibha Praharsha	ASST. PROF	
6	RATTAIAH	ASST. PROF	

HOD  
Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
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# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

## LECTURE AND ANALYSIS ON MATLAB PROGRAMS

Held From

01-AUG-2022 TO 07-AUG-2022

Organized By

Dept. of ELECTRONICS &

COMMUNICATION ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The department of ECE in G.V.R&S College of Engineering and Technology best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication which was established in 2007. The department provides with state of the art technological tools incorporated in all the existing laboratories. For the last ten years the students of the ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

The augmentation of the intake of the department from 60 in the year 2007, later the intake was increased to 120 in the year 2009. The introduction of M. Tech program in DECS in the academic year 2012 with intake of 18 seats, later VLSI and Embedded System Design introduced in 2014 with an intake of 18.



FACULTY DEVELOPMENT PROGRAM

On

## LECTURE AND ANALYSIS ON MATLAB PROGRAMS

Organized By

Dept. of ELECTRONICS &

COMMUNICATION ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of ECE

### FACULTY DEVELOPMENT PROGRAM

on LECTURE AND ANALYSIS ON MATLAB PROGRAMS

#### Faculty Feedback

I, S.Prathibha Praharsha Working as an ASST. PROF in the department of ECE have attended the FACULTY DEVELOPMENT PROGRAM on LECTURE AND ANALYSIS ON MATLAB PROGRAMS from 01-08-2022 to 07-08-2022.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*Prathibha*  
Signature of the faculty

*KW*

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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvrscet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND COMMUNICATION ENGINEERING

### LECTURE AND ANALYSIS ON MATLAB PROGRAMS

#### TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING


##### ATTENDANCE SHEET

DATE: 01-AUG-2022

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. G. KRANTHI KUMARI	✓	✓	✓	✓	✓	✓
2	Mr. G. V N CHIRANJEEVI	✓	✓	✓	✓	✓	✓
3	Mr. N. SYAM KUMAR	✓	✓	✓	✓	✓	✓
4	Mrs. M. VASAVI	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT

  
Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## LECTURE AND ANALYSIS ON MATLAB PROGRAMS

### REPORT:

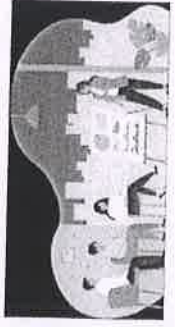
The name MATLAB stands for MATrix LABoratory. MATLAB was written originally to provide easy access to matrix software developed by the LINPACK (linear system package) and EISPACK (Eigen system package) projects. MATLAB [1] is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. Furthermore, MATLAB is a modern programming language environment: it has sophisticated data structures, contains built-in editing and debugging tools, and supports object-oriented programming. These factors make MATLAB an excellent tool for teaching and research. MATLAB has many advantages compared to conventional computer languages (e.g., C, FORTRAN) for solving technical problems. MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. The software package has been commercially available since 1984 and is now considered as a standard tool at most universities and industries worldwide. It has powerful built-in routines that enable a very wide variety of computations. It also has easy to use graphics commands that make the visualization of results immediately available. Specific applications are collected in packages referred to as toolbox. There are toolboxes for signal processing, symbolic computation, control theory, simulation, optimization, and several other fields of applied science and engineering.

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(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. G. Kramathi Kumargiri has  
participated for the **FACULTY DEVELOPMENT PROGRAM** on

Lecture and Analysis on Matlab Programs.  
during 11/9/2022 to 15/9/2022

KW

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GUNTUR - 522017

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





Guntur,

Date: 12/02/2023

To

The Principal,

GVR&S College of Engineering & Technology

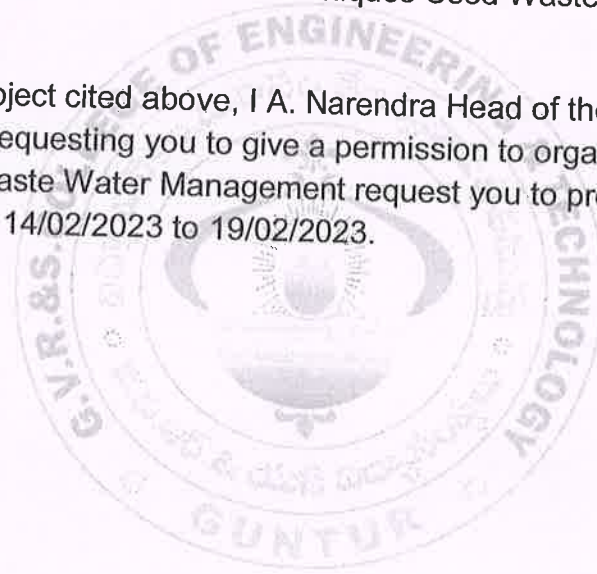
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Techniques Used Waste Water Management -  
Req.

In accordance to subject cited above, I A. Narendra Head of the Department, CE,  
here with this letter requesting you to give a permission to organize 6 days FDP on  
Techniques Used Waste Water Management request you to provide all the needed  
facilities. Dates from 14/02/2023 to 19/02/2023.

Thanking you sir,



Yours Sincerely,

*A. Narendra*  
A. Narendra

Head of the Department, CE

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 10-FEB-2023

## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “TECHNIQUES USED WASTE WATER MANAGEMENT” from 14-FEB-2023 TO 19-FEB-2023. The program will be organized by CIVIL ENGINEERING department in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

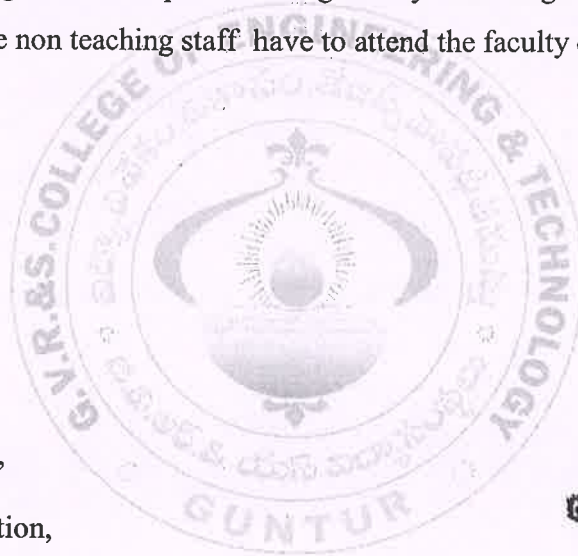
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*KW*

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GUNTUR - 522017**

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E-mail: gvs\_cet@yahoo.com, website: www.gvs.ac.in

## Department of CIVIL ENGINEERING

### TECHNIQUES USED WASTE WATER MANAGEMENT

#### ATTENDANCE SHEET

DATE: 14-FEB-2023

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. A. NARENDRA BABU	✓	✓	✓	✓	✓	✓
2	Mr. CH. VENKATESH	✓	✓	✓	✓	✓	✓
3	Mr. CH. MALLIKARJUNA RAO	✓	✓	✓	✓	✓	✓
4	Mr. SHAIK. IRFAN	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



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Promoted by : SGVRS Educational Society

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Civil Engineering Minutes of Meeting

Date: 12-02-2023

A meeting was held on 12-02-2023 in CE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **TECHNIQUES USED WASTE WATER MANAGEMENT** from 14-02-2023 to 19-02-2023.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) A. NARENDRA is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **TECHNIQUES USED WASTE WATER MANAGEMENT**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 12-03-2023.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	P. ANUP	ASST. PROF	Anup
2	P. JYOTHISH	ASST. PROF	Jyothish
3	CH. VENKATESH	ASST. PROF	Venkatesh
4	V. RAVIKUMAR	ASST. PROF	Ravi Kumar
5	D. JAHNAVI	ASST. PROF	Jahnavi
6	V. VAMSI KRISHNA	ASST. PROF	Vamsi Krishna

Anandra  
HOD  
Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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GUNTUR - 522017



## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

### On TECHNIQUES USED WASTE WATER MANAGEMENT

Held From

14-FEB-2023 TO 19-FEB-2023

Organized By

Dept. of CIVIL ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Satalaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Satalaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Satalaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

This being the youngest department was started in the year 2014 with an intake of 60 seats. Though it was started later than the other departments, the department has shown good results in both academics and industry orientation. Besides focusing on completing the course content, it further directs the students to learn and understand design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals and buildings.



FACULTY DEVELOPMENT PROGRAM

### On TECHNIQUES USED WASTE WATER MANAGEMENT

Organized By

Dept. of CIVIL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Erukuru, Ponnuru

Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh

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Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of CE

### FACULTY DEVELOPMENT PROGRAM

on TECHNIQUES USED WASTE WATER MANAGEMENT

#### Faculty Feedback

I, V. RAVIKUMAR Working as an ASST. PROF in the department of CE have attended the FACULTY DEVELOPMENT PROGRAM on TECHNIQUES USED WASTE WATER MANAGEMENT from 14-02-2023 to 19-02-2023.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	4				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

V. Ravi Kumar  
Signature of the faculty

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GUNTUR - 522017

## TECHNIQUES USED WASTE WATER MANAGEMENT

### REPORT:

Wastewater treatment and disposal is the act of treating the wastewater (contaminated water) generated either in any residential or industrial area as a by-product. Wastewater treatment involves the processes and mechanisms that are used to treat water that is contaminated by chemical or industrial activities.

The main reason why this water is treated is to recycle/reuse the water, discharging it directly to the environment, or a sanitary sewer. Before the pretreatment process starts fully, there is a need to carry out an evaluation and assessment of the water to be treated. This will help to determine the methods of wastewater treatment that are needed.



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(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. Ch. Mallikharjuna Rao has  
participated for the **FACULTY DEVELOPMENT PROGRAM** on

Techniques Used in Waste Water Management

during 14/2/2023 to 19/2/2023

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GUNTUR - 522017

KSV

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 13/03/2023

To

The Principal,

GVR&S College of Engineering & Technology

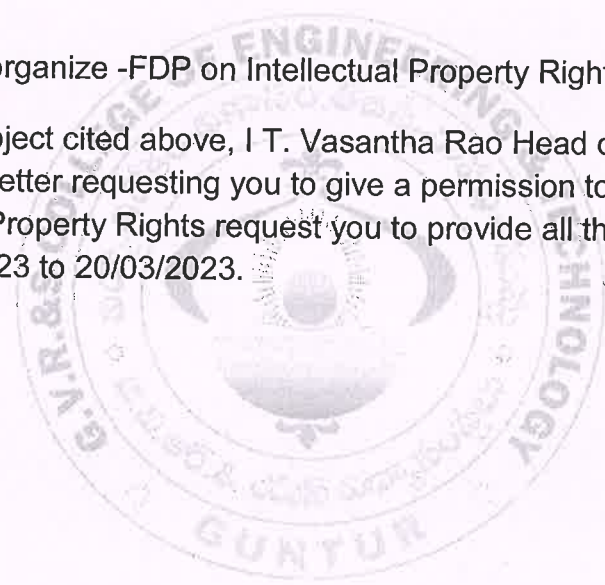
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Intellectual Property Rights- Req.

In accordance to subject cited above, I T. Vasantha Rao Head of the Department, MBA, here with this letter requesting you to give a permission to organize 3 days FDP on Intellectual Property Rights request you to provide all the needed facilities. Dates from 15/03/2023 to 20/03/2023.

Thanking you sir,



Yours Sincerely,

T. Vasantha Rao

Head of the Department, MBA

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW

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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 12-MAR-2023

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “INTELLECTIVE PROPERTY RIGHTS” from 15-MAR-2023 TO 20-MAR-2023. The program will be organized by the department of MASTER OF BUISINESS AND ADMINISTRATION in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

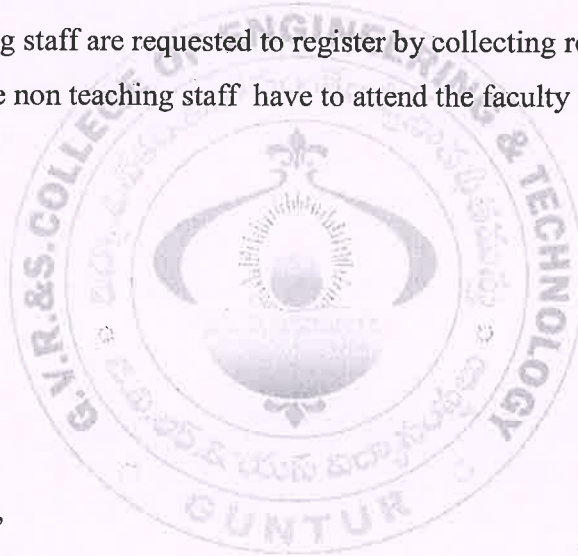
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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR S

## Department of MASTER OF BUSINESS ADMINISTRATION

### Minutes of Meeting


Date: 13-MAR-2023

A meeting was held on 13-MAR-2023 in MASTER OF BUSINESS ADMINISTRATION department to discuss the following points:


- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **INTELLECTIVE PROPERTY RIGHTS** from 15-MAR-2023 TO 20-MAR-2023.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) T VASANTHA RAO is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **INTELLECTIVE PROPERTY RIGHTS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 13-MAR-2023.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Y.Mahendra Babu	Associate Professor	Mahendra
2	V.Prasanth Babu	Associate Professor	Prasanth
3	Ch. Priyanka	Assistant Professor	Priyanka
4	E. Durga Bhavani	Assistant Professor	Durga Bhavani
5	Shaik Abdul Raheem	Associate Professor	Abdul Raheem
6	K.L Srinivas	Assistant Professor	K L Srinivas
7	Mohan Reddy D	Assistant Professor	Mohan Reddy

  
HOD  
Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
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GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

## INTELLECTIVE PROPERTY RIGHTS

Held From

15-MAR-2023 TO 20-MAR-2023

Organized By

Dept. of MASTER OF BUSINESS ADMINISTRATION

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Business Administration was established in the year 2009 with an intake 60 seats and enhanced to 120 in the year 2014.

The Master of Business Administration (MBA) program is designed to meet the challenge of full-filling the needs of the society under resource constraints by providing new dimensions in the body of knowledge needed for managerial development. Environmental, social, ecological, and economic forces are affecting every sector of business enterprise and every area of business, governmental and industrial administration.

The MBA program will prepare students for assuming responsibility of management in their career path in business and other organizations. The program also prepares students having career interest in teaching or research and also for higher studies. The core strength of the MBA Program is the extensive coverage in the field of specialization along with exposure to a wide array of quantitative and qualitative analytical tools.



FACULTY DEVELOPMENT PROGRAM

On

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Dept. of MASTER OF BUSINESS ADMINISTRATION



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru

Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh

522017

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522617



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES

### INTELLECTIVE PROPERTY RIGHTS

#### ATTENDANCE SHEET

DATE: 15-MAR-2023

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. T. VASANTHA RAO	✓	✓	✓	✓	✓	✓
2	Mr. V. PRASANTH BABU	✓	✓	✓	✓	✓	✓
3	Mr. Y. MAHENDRA BABU	✓	✓	✓	✓	✓	✓
4	Mr. M. ARESH BABU	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of MASTER OF BUSINESS ADMINISTRATION

### FACULTY DEVELOPMENT PROGRAM

on INTELLECTIVE PROPERTY RIGHTS

#### Faculty Feedback

I, Y. Mahendra Babu Working as an ASST. PROF in the department of MASTER OF BUSINESS ADMINISTRATION have attended the FACULTY DEVELOPMENT PROGRAM on INTELLECTIVE PROPERTY RIGHTS from 15-MAR-2023 TO 20-MAR-2023.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker`s level of command on the topic	<del>5</del>	4			
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

Signature of the faculty

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## INTELLECTIVE PROPERTY RIGHTS

### REPORT:

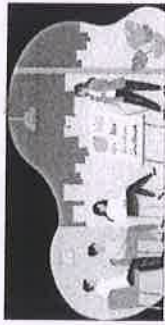
Intellectual property rights (IPR) have been defined as ideas, inventions, and creative expressions based on which there is a public willingness to bestow the status of property. IPR provide certain exclusive rights to the inventors or creators of that property, in order to enable them to reap commercial benefits from their creative efforts or reputation. There are several types of intellectual property protection like patent, copyright, trademark, etc. Patent is a recognition for an invention, which satisfies the criteria of global novelty, non-obviousness, and industrial application. IPR is prerequisite for better identification, planning, commercialization, rendering, and thereby protection of invention or creativity. Each industry should evolve its own IPR policies, management style, strategies, and so on depending on its area of specialty. Pharmaceutical industry currently has an evolving IPR strategy requiring a better focus and approach in the coming era.

  
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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. M. Aresh Babu* has  
participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Intellective Property Right*

during *15/3/2023* to *20/3/2023*

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*

PRINCIPAL

PRINCIPAL  
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GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

0

Guntur,

Date: 09/09/2022

To

The Principal,

GVR&S College of Engineering & Technology

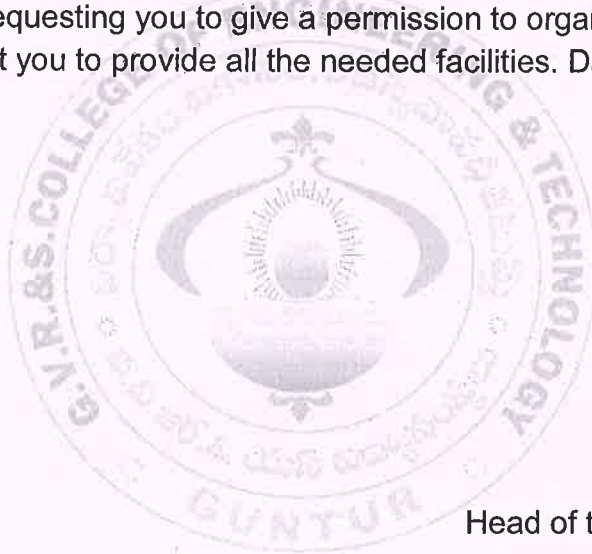
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on R Programming- Req.

In accordance to subject cited above, I Ch.Paparao Head of the Department, CSE, here with this letter requesting you to give a permission to organize 5 days FDP on R Programming request you to provide all the needed facilities. Dates from 11/09/2022 to 15/09/2022.

Thanking you sir,



Yours Sincerely,

*Ch. Paparao*  
Ch.Paparao

Head of the Department, CSE

Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*

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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 09-SEPT-2022

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “R PROGRAMMING” from 11-SEPT-2022 TO 15-SEPT-2022. The program will be organized by the department of COMPUTER SCIENCE AND ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

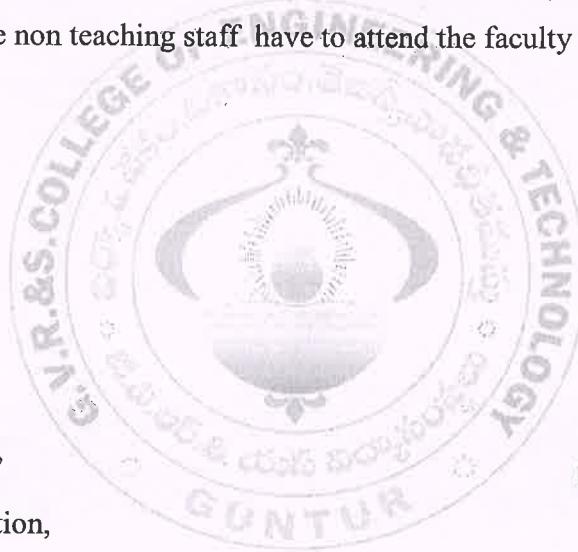
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

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GVR & S College of Engg. & Tech.  
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# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Computer Science Engineering Minutes of Meeting

Date: 10-09-2022

A meeting was held on 10-09-2022 in CSE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **R PROGRAMMING** from 11-09-2022 to 15-09-2022.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) M.MARKANDEYULU is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **R PROGRAMMING**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 10-09-2022.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	K.KIRAN KUMAR	ASST. PROF	
2	D.ROHINI	ASST. PROF	
3	B.RANJITH KUMAR	ASST. PROF	
4	J. GOPI	ASST. PROF	
5	MB JASHUVA	ASST. PROF	
6	SK. HUSSAINBEE	ASST. PROF	

HOD  
Head of the Department  
COMPUTER SCIENCE & ENGINEER.  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

## R PROGRAMMING

Held From

11-SEPT-2022 TO 15-SEPT-2022

Organized By

Dept. of COMPUTER SCIENCE &  
ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR & S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

CSE Department came into inception from 2007 onwards with an intake of 60 seats in B.Tech, and enhanced to 120 seats in the year 2009. In view of the accentuated interest towards CSE and its immensity of growth the Department of Computer Science and Engineering has developed well appointed laboratories where the main focus is on the development of logical reasoning that is stressed upon, in all practical applications.

The department boasts of promoting a unique mode of teaching-learning setting, one that makes an effective utilization of the advanced aids of teaching. The Department imparts world class training and provides state of the art of computing facilities to the students. CSE Department is offering M.Tech (CSE) program from 2012 onwards with an intake of 18 and enhanced to 24 seats in the year 2013.



FACULTY DEVELOPMENT PROGRAM

On

## R PROGRAMMING

Organized By

Dept. of COMPUTER SCIENCE &  
ENGINEERING



GVR&S College of Engineering &

Technology

Near Budampadu Etukuru, Ponnuru

Road, beside National Highway 16, opposite to  
NSL Textiles, Guntur, Andhra Pradesh 522017

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ASW



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of CSE FACULTY DEVELOPMENT PROGRAM

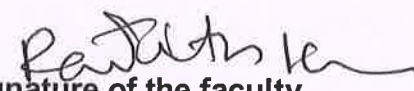
on R PROGRAMMING

### Faculty Feedback

I, B.RANJITH KUMAR Working as an ASST. PROF in the department of CSE have attended the FACULTY DEVELOPMENT PROGRAM on R PROGRAMMING from 11-09-2022 to 15-09-2022.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction		4			
	Overall Rating	5				

Date:

  
Signature of the faculty

  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) - 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of COMPUTER SCIENCE AND ENGINEERING FACULTY DEVELOPMENT PROGRAM R PROGRAMMING

ATTENDANCE SHEET		DATE: 11-SEPT-2022					
S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. J. GOPI	✓	✓	✓	✓	✓	✓
2	Mr. B.S.N BENARJI	✓	✓	✓	✓	✓	✓
3	Mrs. D. ROHINI	✓	✓	✓	✓	✓	✓
4	Mrs. R. AKHILA	✓	✓	✓	✓	✓	✓
5	Mr. EDA VAMSI KRISHNA REDDY	✓	✓	✓	✓	✓	✓
6	Mr. B. SATISH KUMAR	✓	✓	✓	✓	✓	✓
7	Ms. M. SAI PRIYANKA	✓	✓	✓	✓	✓	✓
8	Ms. SHAIK RUHISHA	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

*WV*  
GVR & S College of Engg. & Tech  
GUNTUR - 522017  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017  
Ch. Papanna  
HEAD OF THE DEPARTMENT  
Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## R PROGRAMMING

### REPORT:

R is a programming language created and developed in 1991 by two statisticians at the University of Auckland, in New Zealand. It officially became free and open-source only in 1995. For its origins, it provides statistical and graphical techniques, linear and non-linear models, techniques for time series, and many other functionalities. Even if Python is the most common in the Data Science field, R is still widely used for specialized purposes, like in financial companies, research, and healthcare.

I know that beginning to program with R can be intimidating without any idea where to start. On the web, there are many tutorials that start fastly to explain topics skipping the basics that are needed to understand better the topic. For this reason, I am writing this guide to help you in getting started with R. To have an ordered structure, we need to split this article into building blocks, focusing on one block at a time.



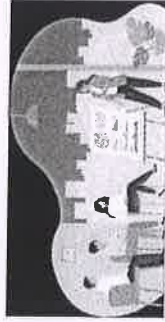
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. B. S. N. Benarje* has  
participated for the *FACULTY DEVELOPMENT PROGRAM* on

*R. Programming*

during *11/9/2022* to *15/9/2022*.

*KLJ*

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 17/12/2022

To

The Principal,

GVR&S College of Engineering & Technology

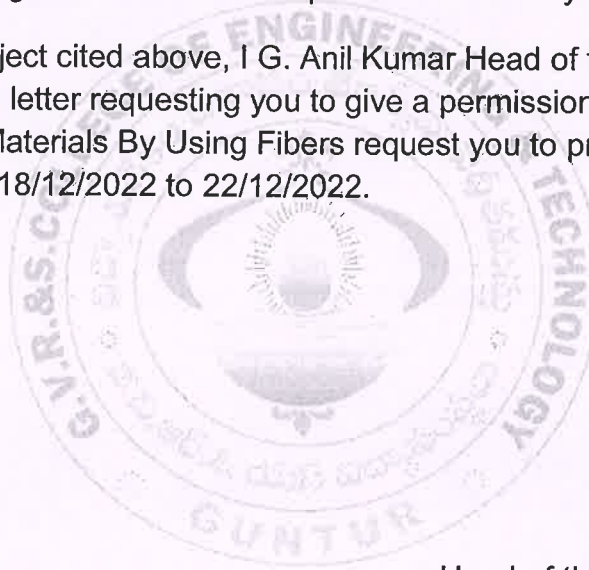
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Composite Materials By Using Fibers - Req.

In accordance to subject cited above, I G. Anil Kumar Head of the Department, MECH, here with this letter requesting you to give a permission to organize 5 days FDP on Composite Materials By Using Fibers request you to provide all the needed facilities. Dates from 18/12/2022 to 22/12/2022.

Thanking you sir,



Yours Sincerely,

G. Anil Kumar

Head of the Department, MECH

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW

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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

Date: 15-DEC-2022

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “COMPOSITE MATERIALS BY USING FIBERS” 18-DEC-2022 TO 22-DEC-2022. The program will be organized by the department of MECHANICAL ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

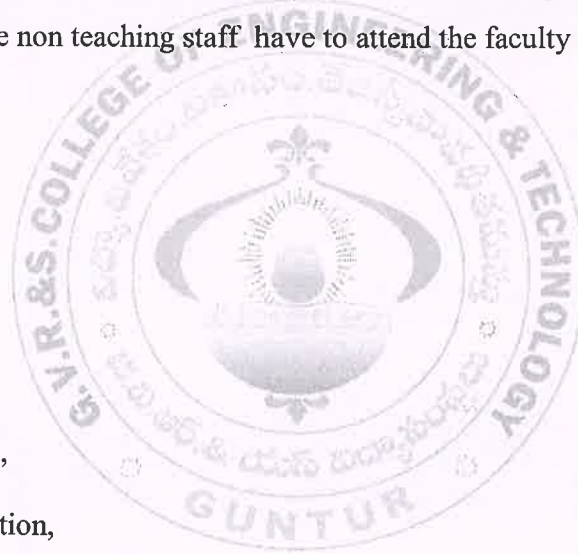
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Mechanical Engineering Minutes of Meeting

Date: 17-12-2022

A meeting was held on 17-12-2022 in MECH department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **COMPOSITE MATERIALS BY USING FIBERS** from 18-12-2022 to 22-12-2022.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) G.ANIL KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **COMPOSITE MATERIALS BY USING FIBERS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 17-12-2022.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	T. RAVINDRA	ASST. PROF	
2	P. RAVI	ASST. PROF	
3	P. RAMAKRISHNA	ASST. PROF	
4	SK. JOHN BHASHA	ASST. PROF	
5	K. VASU	ASST. PROF	
6	N. ANUSHA	ASST. PROF	

HOD

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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GUNTUR - 522017

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GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On COMPOSITE MATERIALS BY USING FIBERS

Held From

18-DEC-2022 TO 22-DEC-2022

Organized By

Dept. of MECHANICAL ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

The Department of Mechanical Engineering was established in the year 2012 with an intake of 60 students and enhanced to 120 in the year 2014.

This department is another promising twig which plays the most significant role in its wider sense. It believes in developing studiousness among the students by giving a clear understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity



FACULTY DEVELOPMENT PROGRAM

## On COMPOSITE MATERIALS BY USING FIBERS

Organized By

Dept. of MECHANICAL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Erukuru, Ponnuru

Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh

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**GVR & S College of Eng & Tech**  
**GUNTUR - 522017**



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of MECHANICAL ENGINEERING

### COMPOSITE MATERIALS BY USING FIBERS


#### ATTENDANCE SHEET

DATE: 18-DEC-2022

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. P. RAVIKUMAR	✓	✓	✓	✓	✓	✓
2	Mr. N.V.V SATYANARAYANA	✓	✓	✓	✓	✓	✓
3	Mr. AJSAV VARA PRASAD	✓	✓	✓	✓	✓	✓
4	Mr. A. SANDEEP	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT  
Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of MECH

### FACULTY DEVELOPMENT PROGRAM


on COMPOSITE MATERIALS BY USING FIBERS

#### Faculty Feedback

I, P. RAVI Working as an ASST. PROF in the department of MECH have attended the FACULTY DEVELOPMENT PROGRAM on COMPOSITE MATERIALS BY USING FIBERS from 18-12-2022 to 22-12-2022.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	4				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
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GUNTUR - 522017

## COMPOSITE MATERIALS BY USING FIBERS

### REPORT:

Fiber composites, foams, magneto-rheological (MR) fluids, and porous materials are typical high energy absorbing materials. Fiber composites, like carbon fibers, have relative higher stiffness and strength and lightweight compared to their steel counterpart. Foams and MR fluids are also typical energy absorbing materials. Crushing of metal cores in plasticity or shear damping in rheological fluids dissipate the input kinetic energy. Recently, a new type of foam, named coal-based carbon foam, has been invented (<http://www.smdc.army.mil/FactSheets/Coal-basedCarbonFoam.pdf>), and it shows a unique response to high energy blasts. The microstructure of the material resembles the structure of pumice, a common material used to absorb blast energy. A unique advantage of the coal-based carbon foam is that the strength of the material can be precisely controlled and matched to the strength of the specific energy mitigation needed. In addition, it can be integrated with highly elastic polymers and hardened materials to form a new and state-of-the art coal energy absorbing system (CEAS).

KW  
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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. A. Sandeep has participated for the FACULTY DEVELOPMENT PROGRAM on

Composite materials by Using Fibers.

during 18/12/2022 to 22/12/2022

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*[Signature]*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 10/07/2022

To

The Principal,

GVR&S College of Engineering & Technology

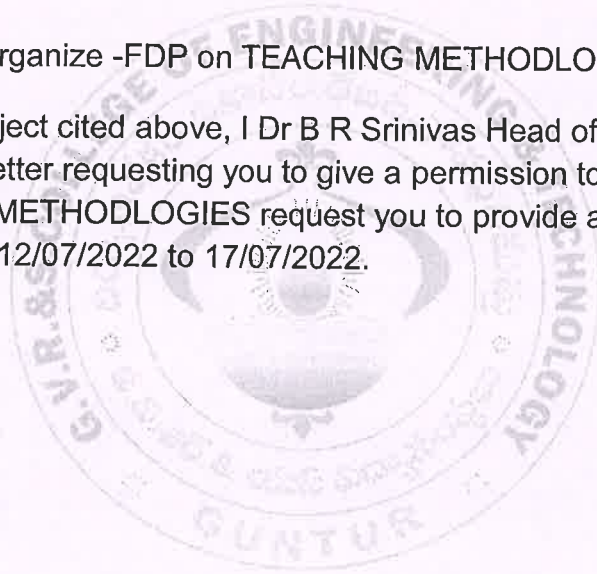
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on TEACHING METHODOLOGIES - Req.

In accordance to subject cited above, I Dr B R Srinivas Head of the Department, S&H, here with this letter requesting you to give a permission to organize 6 days FDP on TEACHING METHODOLOGIES request you to provide all the needed facilities. Dates from 12/07/2022 to 17/07/2022.

Thanking you sir,



*B. R.*

Yours Sincerely,

Dr B R Srinivas  
Head of the Department, S&H

Head of the Department

BASIC OF PRINCIPAL

**GVR & S College of Engg. & Tech.**  
**GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

Date: 10-JULY-2022

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “TEACHING METHODOLOGIES” from 12-JULY-2022 TO 07-JULY-2022. The program will be organized by the department of BASIC SCIENCE AND HUMANITIES in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

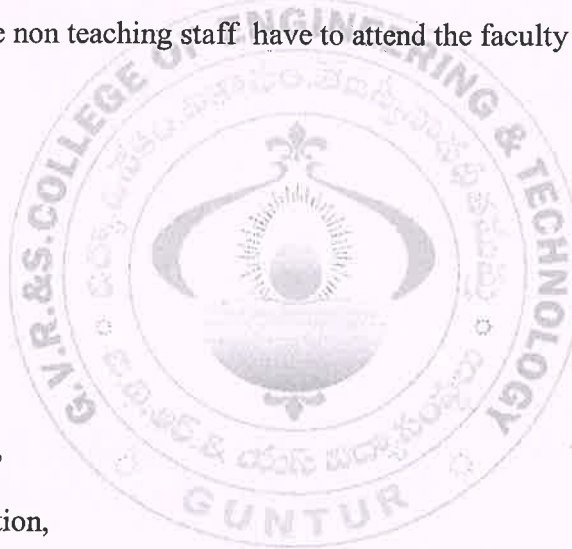
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL

GVR & S College of Engineering & Technology  
Budampadu, Guntur-522017

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of BASIC SCIENCE & HUMANITIES

### Minutes of Meeting

Date: 10-JULY-2022

A meeting was held on 10-JULY-2022 in BASIC SCIENCE & HUMANITIES department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **TEACHING METHODOLOGIES** from 12-JULY-2022 TO 17-JULY-2022.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) Dr BR Srinivas is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **TEACHING METHODOLOGIES**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 10-JULY-2022.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Dr. B. Ramesh	Professor	B. Ramesh
2	S.Ammaji	Associate Professor	S. Ammaji
3	B.Raju	Assistant Professor	B. Raju
4	K.Sankara Rao	Associate Professor	K. Sankara Rao
5	Salama Syed	Assistant Professor	Salama Syed
6	Dr. B.Vinod Kumar	Associate Professor	Dr. B. Vinod Kumar
7	B.Naaga Veena	Assistant Professor	B. Naaga Veena

  
HOD

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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Budampadu, Guntur-522017

  
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GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On TEACHING METHODOLOGIES

Held From

12-JULY-2022 TO 07-JULY-2022

Organized By

Dept. of BASIC SCIENCE & HUMANITIES

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R.&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The department of Science and Humanities at GVR&S-CET offers the bridge courses in English, Mathematics, Physics, Chemistry, Managerial Economics & Financial Analysis and Environmental science that help the engineering freshmen get attuned to the specialized engineering domains.

In addition, the department coordinates a smoother transition of our novice engineering aspirants from the academic setting they experienced at 10 + 2 level to the study ambience they will encounter in their undergraduate Engineering and Technology course.

As an ancillary department that supports the conduct of specialized courses, offered in its domain, as a part of the curricula of other main branches of engineering the department acquires a multi-disciplinary nature and so the faculty belongs to different disciplines namely, English, Mathematics, Physics, Chemistry, Managements Studies and Environmental Sciences.

The department shields the responsibility of the consolidation of attendance and the seasonal marks of the first years and the maintenance of the Parent-Institution communications for the welfare of the students.

The faculty has addressed itself to the need to orient the students towards the ultimate goal of relating their knowledge to the reality of life situations.



FACULTY DEVELOPMENT PROGRAM

## On TEACHING METHODOLOGIES

Organized By

Dept. of BASIC SCIENCE & HUMANITIES



## GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

*KW*  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES

### TEACHING METHODOLOGIES

#### ATTENDANCE SHEET

DATE: 12-JULY-2022

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. S. AMMAI	✓	✓	✓	✓	✓	✓



PROGRAMME COORDINATOR

HEAD OF THE DEPARTMENT

KL

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL  
GVR & S College of Engg. & Tech.  
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# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### FACULTY DEVELOPMENT PROGRAM

on TEACHING METHODOLOGIES

#### Faculty Feedback

I, B.Raju Working as an ASST. PROF in the department of BASIC SCIENCE & HUMANITIES have attended the FACULTY DEVELOPMENT PROGRAM on TEACHING METHODOLOGIES from 12-JULY-2022 TO 07-JULY-2022.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	4				
3	Speaker`s level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction		4			
	Overall Rating	5				

Date:

*B. Raju*  
Signature of the faculty

*KW*  
PRINCIPAL  
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GUNTUR - 522017

## TEACHING METHODOLOGIES

### REPORT:

HRM includes:

These are critical cornerstones of the work of HRM professionals. From crafting a job posting to providing continuing education options, HRM functions at all stages of an employee's journey with an organisation.

To be an effective HRM professional, you will need a mix of personal and technical skills like recruitment strategies, creating compensation plans, and communication and team building.

#### 1. Recruitment

An effective recruitment process is at the foundation of HRM. If you can recruit good talent, you can build on their skills and invest in employees for years to come as they add value to the organisation. Equally important is company culture. You want employees who add to the culture of the organisation. Some common recruiting tools HRM may use include job aggregators like Naukri, Indeed or Foundit, video interviewing, or even social media sites like LinkedIn.

#### 2. Evaluation and performance management

HRM uses data to track employee performance to ensure a highly trained and capable workforce. The data compiled can also be used to change staff training methods, implement a merit-based system for raises, and more. HRM professionals use formal measures like performance reviews and informal techniques like interviews or surveys.

#### 3. Compensation

Compensation means salary, commission, benefits, time off, and other non-monetary benefits. HRM uses the industry standard to set salary, commission rates, and benefits. This ensures fairness and allows for a consistent company standard. Some organisations may use performance reviews to adjust an employee's salary.

*Klw*  
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BVR & S College of Engg. & Tech  
GUNTUR - 522017

#### 4. Employee development and learning

Engaged employees are effective employees. HRM understands the importance of a workforce that is challenged but also supported. Most employees want opportunities for advancement and to feel competent and valued in what they bring to an organisation.

Part of HRM is providing employees with these learning opportunities. This might include tuition reimbursement programs, on-the-job training options, conferences, conventions, or certification programs. Aside from individual learning, HRM can also use employee development and knowledge to help employees adapt to organisational changes, such as system upgrades, technology shifts, and new policies.

#### 5. Employee health and safety

The safety and well-being of an organisation's employees are critically important aspects of HRM. Employee health and safety covers a lot, such as safety against harassment, discrimination, or bullying in the workplace. It can mean physical security that would involve building fire code compliance. It can also mean adherence to labour laws that protect an employee's rights in the workplace and cybersecurity or safeguarding an employee's personal information.

  
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GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 17/11/2021

To

The Principal,

GVR&S College of Engineering & Technology

Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Statistical Tools On Engineering Application-  
Req.

In accordance to subject cited above, I T. Vasantha Rao Head of the Department, MBA, here with this letter requesting you to give a permission to organize 3 days FDP on Statistical Tools On Engineering Application request you to provide all the needed facilities. Dates from 19/11/2020 to 21/11/2021.

Thanking you sir,

Yours Sincerely,

T. Vasantha Rao

Head of the Department, MBA

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW  
PRINCIPAL

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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 17-NOV-2021

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “STATISTICAL TOOLS ON ENGINEERING APPLICATION” from 19-NOV-2021 TO 21-NOV-2021. The program will be organized by the department of MASTER OF BUISINESS AND ADMINISTRATION in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

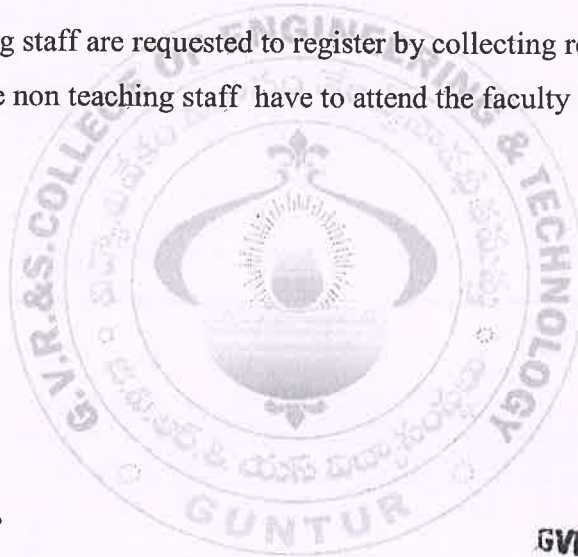
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*T.S. Sreenivasulu Reddy*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*K.V.*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MASTER OF BUSINESS ADMINISTRATION

### Minutes of Meeting

Date: 17-NOV-2021

A meeting was held on 17-NOV-2021 in MASTER OF BUSINESS ADMINISTRATION department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on STATISTICAL TOOLS ON ENGINEERING APPLICATION from 19-NOV-2021 TO 21-NOV-2021.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) T VASANTHA RAO is nominated as Coordinator for the Faculty Development Program on STATISTICAL TOOLS ON ENGINEERING APPLICATION, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 17-NOV-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	ABRAHAMLINCON KANAPARTHI	PROFESSOR	
2	BALA KARTHIK REDDY KASU	ASST PROFESSOR	
3	PRASANTH VEMULA	ASST PROFESSOR	
4	BABJAN SHAIK	ASST PROFESSOR	
5	SAMBASIVARAO DEVIREDDY	ASST PROFESSOR	
6	SHABBEER SHAIK	ASST PROFESSOR	

HOD Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On STATISTICAL TOOLS ON ENGINEERING APPLICATION

Held From

19-NOV-2021 TO 21-NOV-2021

Organized By

Dept. of MASTER OF BUSINESS  
ADMINISTRATION

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangireni Venkateswara Rao & Saijaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangireni Venkateswara Rao & Saijaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangireni Venkateswara Rao & Saijaja) College of Engineering and Technology we believe in “Fueling the quest for knowledge”. In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Business Administration was established in the year 2009 with an intake 60 seats and enhanced to 120 in the year 2014.

The Master of Business Administration (MBA) program is designed to meet the challenge of fulfilling the needs of the society under resource constraints by providing new dimensions in the body of knowledge needed for managerial development. Environmental, social, ecological, and economic forces are affecting every sector of business enterprise and every area of business, governmental and industrial administration.

The MBA program will prepare students for assuming responsibility of management in their career path in business and other organizations. The program also prepares students having career interest in teaching or research and also for higher studies. The core strength of the MBA Program is the extensive coverage in the field of specialization along with exposure to a wide array of quantitative and qualitative analytical tools.



FACULTY DEVELOPMENT PROGRAM

## On STATISTICAL TOOLS ON ENGINEERING APPLICATION

Organized By  
Dept. of MASTER OF BUSINESS  
ADMINISTRATION



GVR&S College of Engineering &  
Technology

Near Budampadu Etukuru, Ponnuru

Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

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**PRINCIPAL**  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)  
Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) - 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES STATISTICAL TOOLS ON ENGINEERING APPLICATION

### ATTENDANCE SHEET

DATE: 19-NOV-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. R. AKHILA	✓	✓	✓	✓	✓	✓
2	Mr. N. SYAM KUMAR	✓	✓	✓	✓	✓	✓
3	Mr. AJSAV VARA PRASAD	✓	✓	✓	✓	✓	✓
4	Mr. CH. VENKATESH	✓	✓	✓	✓	✓	✓



  
PROGRAMME COORDINATOR

*KSV*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

~~HEAD OF THE DEPARTMENT~~  
Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
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Promoted by : SGVRS Educational Society

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MASTER OF BUSINESS ADMINISTRATION

### FACULTY DEVELOPMENT PROGRAM

#### on STATISTICAL TOOLS ON ENGINEERING APPLICATION

#### Faculty Feedback

I, PRASANTH VEMULA Working as an ASST. PROF in the department of MASTER OF BUSINESS ADMINISTRATION have attended the FACULTY DEVELOPMENT PROGRAM on STATISTICAL TOOLS ON ENGINEERING APPLICATION from 19-NOV-2021 TO 21-NOV-2021.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

Signature of the faculty

KW

PRINCIPAL

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GUNTUR - 522017

## STATISTICAL TOOLS ON ENGINEERING APPLICATION

### REPORT:

When it comes to Engineering Statistics, key concepts include randomness, uncertainty, and variation. Engineers need to consider the variation in materials, manufacturing processes, operating conditions, and much more. Engineering Statistics provides a methodical approach to deal with this variability, improving the quality of work and ultimately serving the purpose of Engineering: to create reliable, efficient solutions for society. Noteworthy, there are several fundamental statistical methods in Engineering Statistics. Here is a table providing an overview of some:

Descriptive Statistics	This involves summarizing and understanding data such as calculating averages, variability, and spread of data.
Probability Distributions	These are mathematical functions that provide the probabilities of occurrence of different outcomes in an experiment.
Inferential Statistics	These methods allow you to make educated guesses (or inferences) about a population based on a sample of data.
Regression Analysis	To model the relationships between different variables. For example, between raw material quality and finished product quality.

*KW*

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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. D. Samba Siva Rao has participated for the FACULTY DEVELOPMENT PROGRAM on

Statistical Tools on Engineering Applications

during 19/11/2021 to 21/11/2021.

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

KW

PRINCIPAL  
P. Sankar

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 11/10/2021

To

The Principal,

GVR&S College of Engineering & Technology

Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Methods Of Renewable Energy Systems- Req.

In accordance to subject cited above, I A. Narendra Head of the Department, CE, here with this letter requesting you to give a permission to organize 6 days FDP on Methods Of Renewable Energy Systems request you to provide all the needed facilities. Dates from 12/10/2021 to 16/10/2021.

Thanking you sir,

Yours Sincerely,

*A. Narendra*  
A. Narendra

Head of the Department, CE

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

Date: 10-OCT-2021

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “METHODS OF RENEWABLE ENERGY SYSTEMS” from 12-OCT-2021 TO 16-OCT-2021. The program will be organized by CIVIL department in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

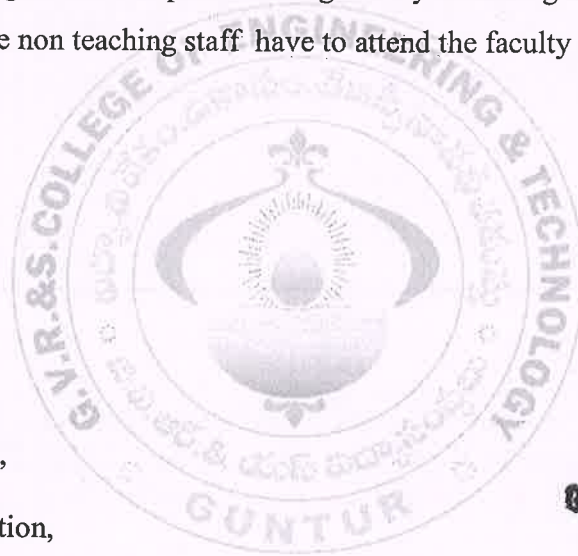
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

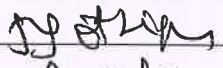
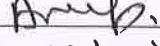
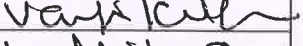
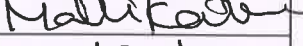

## Department of Civil Engineering Minutes of Meeting

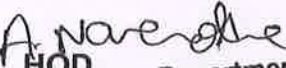
Date: 10-10-2021

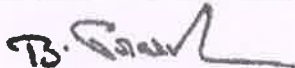
A meeting was held on 10-10-2021 in CE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **METHODS OF RENEWABLE ENERGY SYSTEMS** from 12-10-2021 to 16-10-2021.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) A. NARENDRA is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **METHODS OF RENEWABLE ENERGY SYSTEMS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 10-10-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	P. JYOTHISH	ASST. PROF	
2	A. ANUP	ASST. PROF	
3	K. VAMSI KRISHNA	ASST. PROF	
4	CH. MALLIKARJUNA RAO	ASST. PROF	
5	CH. VENKATESH	ASST. PROF	

  
HOD  
Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

### On METHODS OF RENEWABLE ENERGY SYSTEMS

Held From  
12-OCT-2021 TO 16-OCT-2021  
Organized By  
Dept. of CIVIL ENGINEERING

NAME:  
Designation:  
Dept:  
Institution:  
Phone/Mobile:  
Email:  
Date  
Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society, whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

This being the youngest department was started in the year 2014 with an intake of 60 seats. Though it was started later than the other departments, the department has shown good results in both academics and industry orientation. Besides focusing on completing the course content, it further directs the students to learn and understand design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals and buildings.



FACULTY DEVELOPMENT PROGRAM

### On METHODS OF RENEWABLE ENERGY SYSTEMS

Organized By  
Dept. of CIVIL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh  
522017

PRINCIPAL  
GVR & S College of Engineering & Technology  
GUNTUR, 522017

15/11



# G.V.R.&S. COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)  
Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

## Department of CIVIL ENGINEERING

### METHODS OF RENEWABLE ENERGY SYSTEMS

#### ATTENDANCE SHEET

DATE: 12-OCT-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. A. NARENDRA BABU	✓	✓	✓	✓	✓	✓
2	Mr. CH. VENKATESH	✓	✓	✓	✓	✓	✓
3	Mr. CH. MALLIKARJUNA RAO	✓	✓	✓	✓	✓	✓
4	Mr. SHAIK. IRFAN	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

KH

PRINCIPAL  
G.V.R.&S. College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT

Head of the Department  
CIVIL ENGINEERING  
G.V.R. & S. College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of CE

### FACULTY DEVELOPMENT PROGRAM

on METHODS OF RENEWABLE ENERGY SYSTEMS

#### Faculty Feedback

I, CH. VENKATESH Working as an ASST. PROF in the department of CE have attended the FACULTY DEVELOPMENT PROGRAM on METHODS OF RENEWABLE ENERGY SYSTEMS from 12-10-2021 to 16-10-2021.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	4				
5	Level of interaction	5				
	Overall Rating	5				

Date:

Ch. Venkatesh  
Signature of the faculty

KW  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

## METHODS OF RENEWABLE ENERGY SYSTEMS

### REPORT:

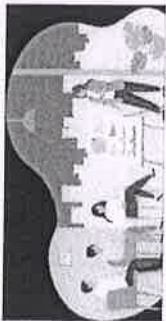
Renewable Energy System comprising of solar and wind energy, is eco-friendly, and cost-effective option for powering the rural areas compared to conventional sources. The drawback of these systems is they are less reliable as the generated power depends on meteorological conditions. A properly designed hybrid renewable energy system (HRES) that combines two or more renewable energy sources like wind turbine and solar system with battery back-up increases the reliability of these systems in standalone mode. Hence, the incorporation and collective utilization of renewable energy sources are becoming increasingly popular fields of research. A comprehensive review of various aspects of a HRES is presented in this chapter. This chapter discusses different methodologies available in the literature on feasibility analysis, optimum sizing, modelling, control aspects, and reliability issues of the HRES.

KW  
PRINCIPAL  
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. Ch. Venkatesh* has  
participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Methods of Renewable Energy Systems*  
during *12/10/2021* to *16/10/2021*.

*kh*

PRINCIPAL  
GVR & S College of  
Engineering & Technology  
GUNTUR

*B. Sankar*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

0

Guntur,

Date: 31/01/2022

To

The Principal,

GVR&S College of Engineering & Technology

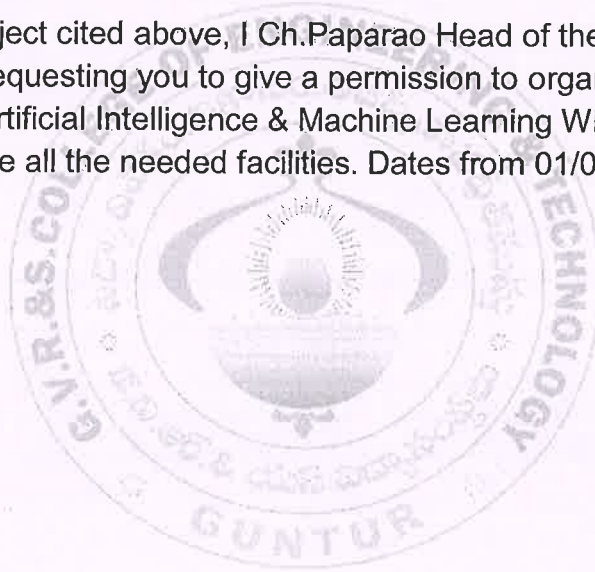
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Research Areas In Artificial Intelligence & Machine Learning With Case Studies- Req.

In accordance to subject cited above, I Ch.Paparao Head of the Department, CSE, here with this letter requesting you to give a permission to organize 5 days FDP on Research Areas In Artificial Intelligence & Machine Learning With Case Studies request you to provide all the needed facilities. Dates from 01/02/2022 to 05/02/2022.

Thanking you sir,



Yours Sincerely,

*Ch. Paparao*  
Ch.Paparao

Head of the Department CSE  
Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# **GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

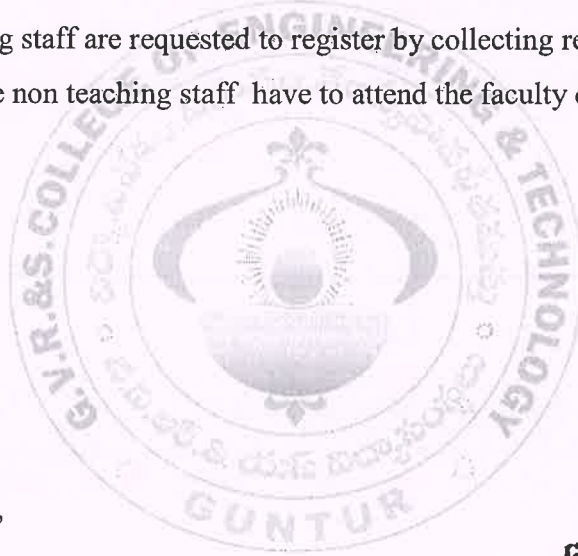
Date: 30-01-2022

## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH CASE STUDIES” from 01-FEB-2022 TO 05-FEB-2022. The program will be organized by the department of COMPUTER SCIENCE AND ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.



Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.

**PRINCIPAL**

**PRINCIPAL**

**GVR & S College of Engg. & Tech.  
GUNTUR - 522017**

**PRINCIPAL**

**GVR & S College of Engg. & Tech.  
GUNTUR - 522017**



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of Computer Science Engineering Minutes of Meeting

Date: 31-01-2022

A meeting was held on 31-01-2022 in CSE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH CASE STUDIES** from 01-02-2022 to 05-02-2022.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) M.MARKANDEYULU is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH CASE STUDIES**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 31-01-2022.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	K.KIRAN KUMAR	ASST. PROF	Kiran
2	D.ROHINI	ASST. PROF	D. Rohini
3	B.RANJITH KUMAR	ASST. PROF	Ranjith
4	J. GOPI	ASST. PROF	J. Gopi
5	MB JASHUVA	ASST. PROF	Jashuva
6	SK. HUSSAINBEE	ASST. PROF	Hussainbee

*Ch. P. Lakshmi*  
HOD Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*L. Lakshmi*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On  
**RESEARCH AREAS IN  
ARTIFICIAL  
INTELLIGENCE &  
MACHINE LEARNING WITH  
CASE STUDIES**

Held From

01-FEB-2022 TO 05-FEB-2022

Organized By

Dept. of COMPUTER SCIENCE &  
ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



## ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society, whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

## ABOUT DEPARTMENT

CSE Department came into inception from 2007 onwards with an intake of 60 seats in B.Tech, and enhanced to 120 seats in the year 2009. In view of the accentuated interest towards CSE and its immensity of growth the Department of Computer Science and Engineering has developed well appointed laboratories where the main focus is on the development of logical reasoning that is stressed upon, in all practical applications.

The department boasts of promoting a unique mode of teaching-learning setting, one that makes an effective utilization of the advanced aids of teaching. The Department imparts world class training and provides state of the art of computing facilities to the students. CSE Department is offering M.Tech (CSE) program from 2012 onwards with an intake of 18 and enhanced to 24 seats in the year 2013.



FACULTY DEVELOPMENT PROGRAM

On  
**RESEARCH AREAS IN  
ARTIFICIAL  
INTELLIGENCE &  
MACHINE LEARNING WITH  
CASE STUDIES**

Organized By

Dept. of COMPUTER SCIENCE &  
ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Erukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of CSE

### FACULTY DEVELOPMENT PROGRAM

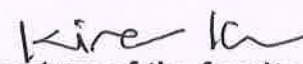
on RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH CASE STUDIES

#### Faculty Feedback

I, K.KIRAN KUMAR Working as an ASST. PROF in the department of CSE have attended the FACULTY DEVELOPMENT PROGRAM on RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH CASE STUDIES from 01-02-2022 to 05-02-2022.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication		4			
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrs.ac.in

## Department of COMPUTER SCIENCE AND ENGINEERING

### FACULTY DEVELOPMENT PROGRAM

#### RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH CASE STUDIES

##### ATTENDANCE SHEET

DATE: 01-FEB-2022

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. B.S.N BENARJI	✓	✓	✓	✓	✓	✓
2	Mrs. D. ROHINI	✓	✓	✓	✓	✓	✓
3	Mrs. R. AKHILA	✓	✓	✓	✓	✓	✓
4	Mr. EDA VAMSI KRISHNA REDDY	✓	✓	✓	✓	✓	✓
5	Mr. B. SATISH KUMAR	✓	✓	✓	✓	✓	✓
6	Mr. J. GOPI	✓	✓	✓	✓	✓	✓
7	Ms. M. SAI PRIYANKA	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

KW

PRINCIPAL

GVR & S College of Engg. & Tech

GUNTUR - 522017

Ch. Lakshmi

HEAD OF THE DEPARTMENT

Head of the Department

COMPUTER SCIENCE & ENGINEERING

GVR & S College of Engg. & Tech.

GUNTUR - 522017

**RESEARCH AREAS IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING  
WITH CASE STUDIES**

**REPORT:**

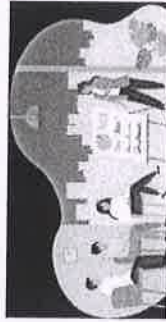
The intersection between technology and health has been an increasing area of focus for policymakers, patient groups, ethicists and innovators. As a company, we found ourselves in the midst of many different discussions with customers in both the private and public sectors, seeking to harness technology, including cloud computing and AI, all for the end goal of improving human health. Many customers were struggling with the same questions, among them how to be responsible data stewards, how to design tools that advanced social good in ethical ways, and how to promote trust in their digital health-related products and services

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms.* B. Satish Kumar has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Research Area in Artificial Intelligence & Machine Learning with Case Studies*

during 01/04/2022 to 5/2/2022.

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

PRINCIPAL  
PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 03/10/2021

To

The Principal,

GVR&S College of Engineering & Technology

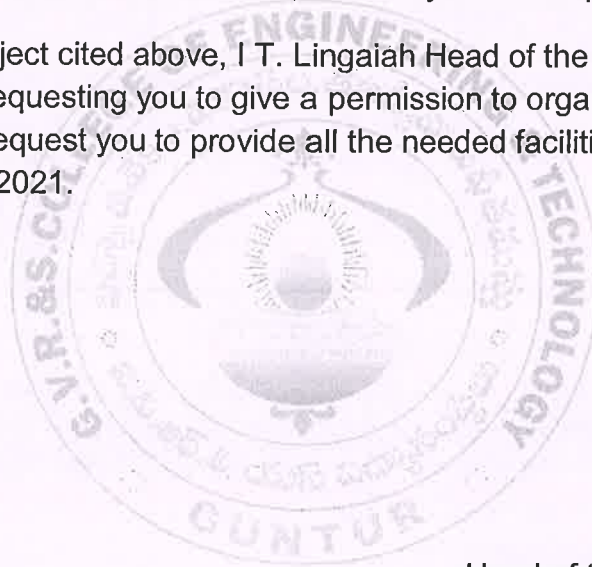
Budampadu, Guntur.


Respected Sir,

Sub: Permission to organize -FDP on Embedded System - Req.

In accordance to subject cited above, I T. Lingaiah Head of the Department, EEE, here with this letter requesting you to give a permission to organize 6 days FDP on Embedded System request you to provide all the needed facilities. Dates from 05/10/2021 to 11/10/2021.

Thanking you sir,



  
Yours Sincerely,

T. Lingaiah

Head of the Department, EEE

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 03-OCT-2021

## **CIRCULAR FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “EMBEDDED SYSTEM” from 05-OCT-2021 TO 11-OCT-2021. The program will be organized by the department of ELECTRICAL AND ELECTRONICS ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

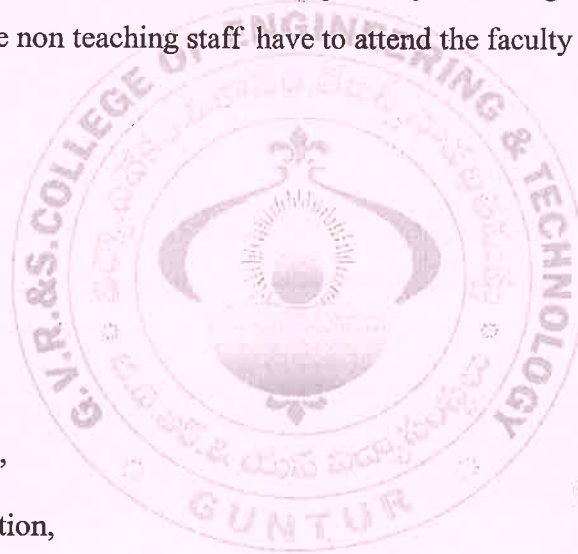
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Electrical and Electronic Engineering Minutes of Meeting

Date: 04-10-2021

A meeting was held on 04-10-2021 in EEE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **EMBEDDED SYSTEM** from 05-10-2021 to 11-10-2021.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) T. LINGAIAH is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **EMBEDDED SYSTEM**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 04-10-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	MD YOUNUS	ASSOC. PROF	
2	Y. DINAKAR	ASSOC. PROF	
3	J. JYOTHI	ASST. PROF	
4	N. SYAM KUMAR	ASST. PROF	
5	E. NAGARAJU	ASST. PROF	

HOD  
Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On  
**EMBEDDED SYSTEM**

Held From  
05-OCT-2021 TO 11-OCT-2021

Organized By  
Dept. of ELECTRICAL & ELECTRONICS  
**ENGINEERING**

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



## ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

## ABOUT DEPARTEMENT

The field of Electrical & Electronics Engineering (EEE) is the place to be in for those who love electrical systems ranging from heavy power generators to the smallest of micro-chips.

The Mission of the department is to train the stakeholders in contemporary knowledge and innovative skills, both functional and integrative in the discipline of Electrical and Electronics Engineering focusing on strong foundation in basic concepts, courses in tune with modern trends, leadership, networking and team building, entrepreneurship, ethics and governance.



FACULTY DEVELOPMENT PROGRAM

On  
**EMBEDDED SYSTEM**

Organized By  
Dept. of ELECTRICAL & ELECTRONICS  
**ENGINEERING**



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru .  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

**PRINCIPAL**  
**GVR & S College of Engg. & Tech**  
**GUNTUR - 522017**



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukurru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_cet@yahoo.com, website: www.gvr.ac.in

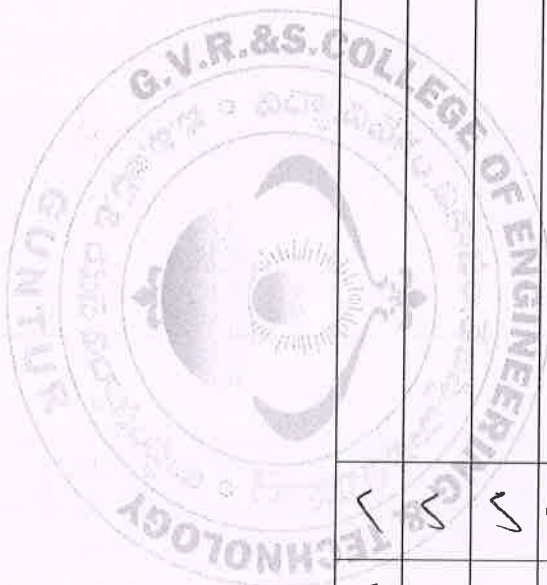
## Department of ELECTRONICS AND ELECTRICAL ENGINEERING

### EMBEDDED SYSTEM

#### ATTENDANCE SHEET

DATE: 05-OCT-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	MR. YOUNUS MOHAMAD	✓	✓	✓	✓	✓	✓
2	Mrs. J. NIRMALA JYOTHI	✓	✓	✓	✓	✓	✓
3	MR. U. SIVA KUMAR	✓	✓	✓	✓	✓	✓



PROGRAMME COORDINATOR

*[Signature]*

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

HEAD OF THE DEPARTMENT

*[Signature]*

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of EEE FACULTY DEVELOPMENT PROGRAM

on EMBEDDED SYSTEM

### Faculty Feedback

I, J. JYOTHI Working as an ASST. PROF in the department of EEE have attended the FACULTY DEVELOPMENT PROGRAM on EMBEDDED SYSTEM from 05-10-2021 to 11-10-2021.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker`s level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*Jyothi*  
Signature of the faculty

*Kh*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

## **EMBEDDED SYSTEM**

### **REPORT:**

Embedded systems are computers. Therefore, like most other computers, they contain a combination of hardware and software such as microprocessors, microcontrollers, volatile and non-volatile memory, graphics processing units (GPUs), input/output communication interfaces and ports, power supplies, and system and application code. However, embedded systems have four main factors that differentiate them from a typical workstation or server: purpose, design, cost, and human involvement.

Like any other computer, embedded systems leverage printed circuit boards (PCBs) programmed with software that guides the hardware on operation and data management using memory and input/output communication interfaces. The result is the terminal production of output that is of value to the end user. As such, at a fundamental level, embedded systems are not too different from workstations and servers.

KW

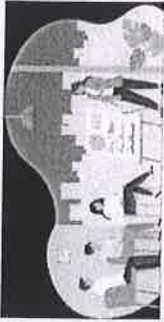
PRINCIPAL

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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. J. Jyothi* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Embedded System*

during *5/10/2024* to *11/10/2024*.

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*B. Sankar*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & T  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 09-DEC-2021

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “SIGNAL PROCESSING” from 11-DEC-2021 TO 16-DEC-2021. The program will be organized by the department of ELECTRONICS AND COMMUNICATION ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

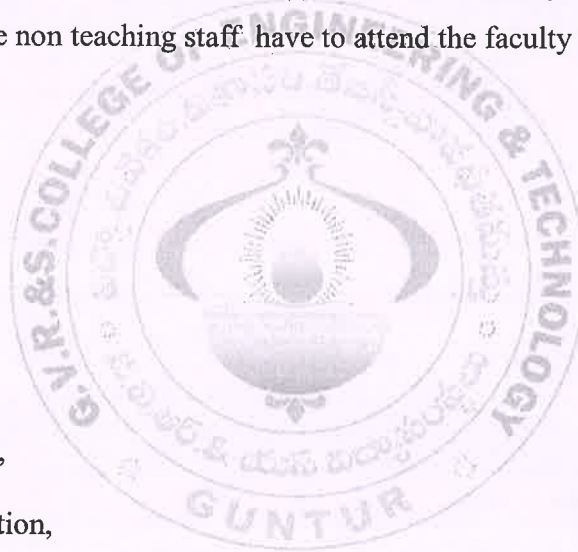
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



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GUNTUR - 522017

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PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 10/12/2021

To

The Principal,

GVR&S College of Engineering & Technology

Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Signal Processing - Req.

In accordance to subject cited above, I K Vijay Kumar Head of the Department, ECE, here with this letter requesting you to give a permission to organize 6 days FDP on Signal Processing request you to provide all the needed facilities. Dates from 11/12/2021 to 16/12/2021.

Thanking you sir,

Yours Sincerely,

  
K Vijay Kumar

Head of the Department, ECE

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of Electronics and Communication Engineering

### Minutes of Meeting

Date: 10-12-2021

A meeting was held on 10-12-2021 in ECE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **SIGNAL PROCESSING** from 11-12-2021 to 16-12-2021.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) K.VIJAY KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **SIGNAL PROCESSING**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 10-12-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	M.B.NARENDRA	ASSOC. PROF	M.B.Narend
2	B.HANISH CHAITANYA	ASSOC. PROF	Hanish
3	M.SIRISHA	ASST. PROF	Sirisha
4	B.HANISH CHAITANYA	ASST. PROF	Hanish
5	G.KRANTHIKUMARI	ASST. PROF	G.Kranthi
6	CH.NARASIMHA RAO	ASST. PROF	Narasimha

*K. Vijay Kumar*  
HOD of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*T.S. Gopal*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On  
**SIGNAL PROCESSING**

Held From  
11-DEC-2021 TO 16-DEC-2021

Organized By  
Dept. of ELECTRONICS &  
**COMMUNICATION ENGINEERING**

NAME:  
Designation:  
Dept:  
Institution:  
Phone/Mobile:  
Email:  
Date  
  
Signature



## ABOUT COLLEGE

GVR&S (Ganginri Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Ganginri Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Ganginri Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

## ABOUT DEPARTMENT

The department of ECE in G.V.R&S College of Engineering and Technology best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication which was established in 2007. The department provides with state of the art technological tools incorporated in all the existing laboratories. For the last ten years the students of the ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

The augmentation of the intake of the department from 60 in the year 2007, later the intake was increased to 120 in the year 2009. The introduction of M. Tech program in DECS in the academic year 2012 with intake of 18 seats, later VLSI and Embedded System Design introduced in 2014 with an intake of 18.



FACULTY DEVELOPMENT PROGRAM

On  
**SIGNAL PROCESSING**

Organized By  
Dept. of ELECTRONICS &  
**COMMUNICATION ENGINEERING**



**GVR&S College of Engineering & Technology**

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

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GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of ECE FACULTY DEVELOPMENT PROGRAM

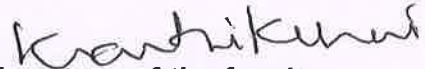
on SIGNAL PROCESSING

### Faculty Feedback

I, G.KRANTHIKUMARI Working as an ASST. PROF in the department of ECE have attended the FACULTY DEVELOPMENT PROGRAM on SIGNAL PROCESSING from 11-12-2021 to 16-12-2021.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication		4			
5	Level of interaction		4			
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND COMMUNICATION ENGINEERING

### SIGNAL PROCESSING

### TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

#### ATTENDANCE SHEET

DATE: 11-DEC-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. G. KRANTHI KUMARI	✓	✓	✓	✓	✓	✓
2	Mr. G. V N CHIRANJEEVI	✓	✓	✓	✓	✓	✓
3	Mr. N. SYAM KUMAR	✓	✓	✓	✓	✓	✓
4	Mrs. M. VASAVI	✓	✓	✓	✓	✓	✓
5	Mr. V. RATHAIAH	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR



PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## SIGNAL PROCESSING

### REPORT:

Signal processing is applied across numerous industries and applications, including:

- Audio compression and signal processing
- Data acquisition and signal processing
- Digital image and graphics processing
- Video compression and signal processing
- Speech recognition and processing
- RADAR, SONAR, and LiDAR signal processing and signal optimization
- Seismic studies and data analysis
- Geophysical applications, including oil exploration

*KW*  
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. M. Vasavi has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

Signal Processing

during 11/12/2021 to 16/12/2021.

KW

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*B. Sarav*

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 14/11/2018

To

The Principal,

GVR&S College of Engineering & Technology

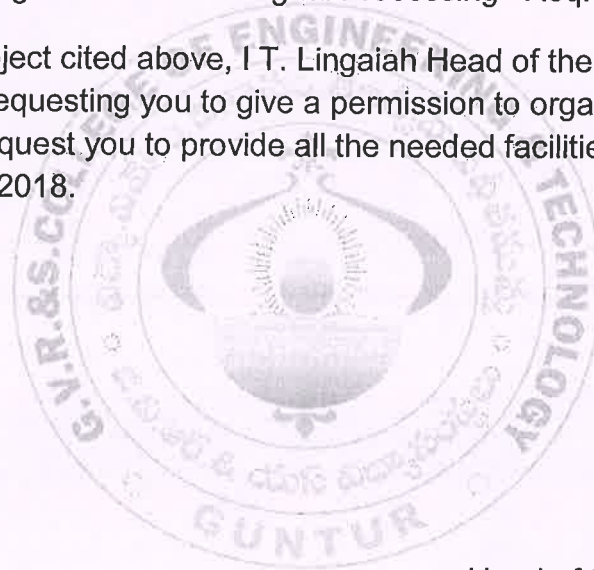
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Signal Processing - Req.

In accordance to subject cited above, I T. Lingaiah Head of the Department, EEE, here with this letter requesting you to give a permission to organize 7 days FDP on Signal Processing request you to provide all the needed facilities. Dates from 05/11/2018 to 20/11/2018.


Thanking you sir,



  
Yours Sincerely,

T. Lingaiah  
Head of the Department, EEE

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 13-NOV-2018

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “SIGNAL PROCESSING” from 15-NOV-2018 TO 21-NOV-2018. The program will be organized by the department of ELECTRICAL AND ELECTRONICS ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

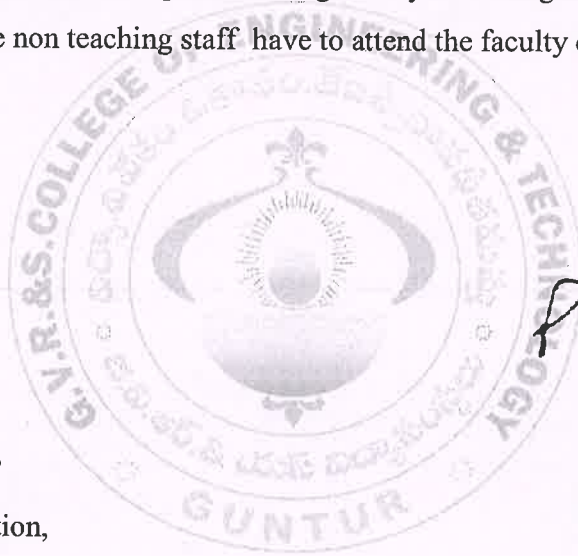
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
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# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Electrical and Electronic Engineering Minutes of Meeting

Date: 14-11-2018

A meeting was held on 14-11-2018 in EEE department to discuss the following points:

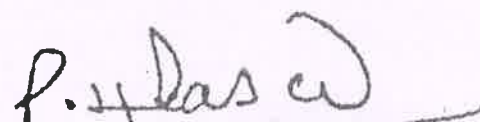
- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **SIGNAL PROCESSING** from 15-11-2018 to 21-11-2018.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) V.RAJESH is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **SIGNAL PROCESSING**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 14-11-2018.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Sk.Thangella	ASST. PROF	Thangella
2	M.Narendra Kumar	ASST. PROF	Naraiah
3	B.Gopala Krishna Naik	ASST. PROF	Gopala
4	H.Pavan Kumar	ASST. PROF	Pavan
5	K.Hemasri	ASST. PROF	Hemasri
6	J.Vimala Kumari	ASST. PROF	Vimala

  
HOD

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL

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GUNTUR - 522017

  
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GVR & S College of Engg. & Tech  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On SIGNAL PROCESSING

Held From  
15-NOV-2018 TO 21-NOV-2018

Organized By  
Dept. of ELECTRICAL & ELECTRONICS  
ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefitting the society.

### ABOUT DEPARTEMENT

The field of Electrical & Electronics Engineering (EEE) is the place to be in for those who love electrical systems ranging from heavy power generators to the smallest of micro-chips.

The Mission of the department is to train the stakeholders in contemporary knowledge and innovative skills, both functional and integrative in the discipline of Electrical and Electronics Engineering focusing on strong foundation in basic concepts, courses in tune with modern trends, leadership, networking and team building, entrepreneurship, ethics and governance.



FACULTY DEVELOPMENT PROGRAM

## On SIGNAL PROCESSING

Organized By  
Dept. of ELECTRICAL & ELECTRONICS  
ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh  
522017

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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)  
Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND ELECTRICAL ENGINEERING

### SIGNAL PROCESSING

#### ATTENDANCE SHEET

DATE: 05-OCT-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. YOUNUS MOHAMAD	✓	✓	✓	✓	✓	✓
2	Mrs. M. RAJYA LAKSHMI	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
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# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of EEE FACULTY DEVELOPMENT PROGRAM

on SIGNAL PROCESSING

### Faculty Feedback

I, K. Hemasri Working as an ASST. PROF in the department of EEE have attended the FACULTY DEVELOPMENT PROGRAM on SIGNAL PROCESSING from 15-11-2018 to 21-11-2018.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic		4			
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*Hemasri*  
Signature of the faculty

*KW*

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## SIGNAL PROCESSING

### REPORT:

Imagine seeing the soundwave data for a podcast, for example. Signal processing allows us to extract valuable insights from this raw data that might not be apparent at first glance. This information can then be used to make informed decisions, identify opportunities, or solve complex problems across various domains.

Signal processing is also useful during data preprocessing.

Real-world data is often noisy, and signal processing techniques allow data scientists to remove unwanted disturbances, outliers, and artifacts, resulting in cleaner and more reliable datasets. This clean data is essential for accurate modeling, predictions, and other advanced data analysis tasks. Additionally, signal processing is at the core of many advanced algorithms and models used in data science, such as time-series forecasting, anomaly detection, and image and speech recognition.

KW  
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Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. M. Rajya Lakshmi has participated for the FACULTY DEVELOPMENT PROGRAM on

Signed Pro ceding

during 15/11/2022 to 21/11/2022

*KL*

*P. Das*

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# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 22/01/2022

To

The Principal,

GVR&S College of Engineering & Technology

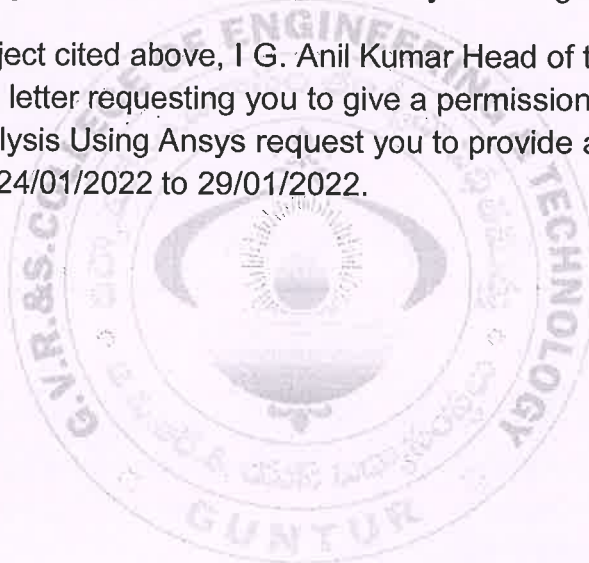
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Thermal Analysis Using Ansys- Req.

In accordance to subject cited above, I G. Anil Kumar Head of the Department, MECH, here with this letter requesting you to give a permission to organize 6 days FDP on Thermal Analysis Using Ansys request you to provide all the needed facilities. Dates from 24/01/2022 to 29/01/2022.

Thanking you sir,



Yours Sincerely,

G. Anil Kumar

Head of the Department, MECH

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW  
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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 21-JAN-2022

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “THERMAL ANALYSIS USING ANSYS” from 24-JAN-2022 TO 29-JAN-2022. The program will be organized by the department of MECHANICAL ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

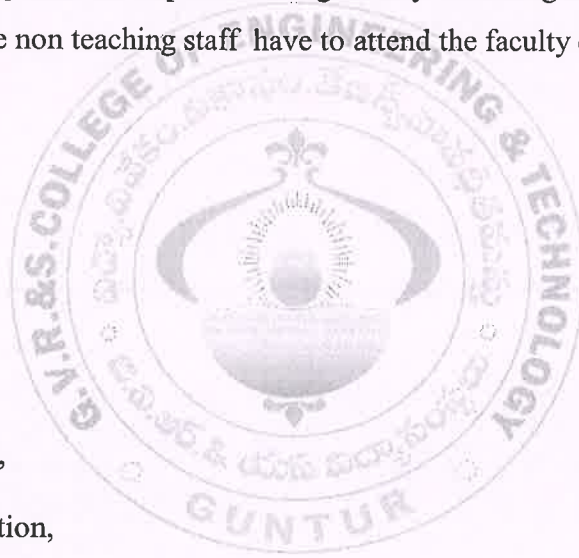
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



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GUNTUR - 522017

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# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Email : gvr\_s\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVR S

## Department of Mechanical Engineering Minutes of Meeting

Date: 23-01-2022

A meeting was held on 22-01-2022 in MECH department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **THERMAL ANALYSIS USING ANSYS** from 24-01-2022 to 29-01-2022.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) G.ANIL KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **THERMAL ANALYSIS USING ANSYS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 23-01-2022.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	SK JOHN BHASHA	ASSOC. PROF	Basha
2	P. RAVI	ASSOC. PROF	Ravi
3	T. RAVINDRA	ASST. PROF	Ravindra
4	P. RAMAKRISHNA	ASST. PROF	Ramakrishna
5	N. ANUSHA	ASST. PROF	Anusha
6	K. VASU	ASST. PROF	Vasu

  
HOD

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
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# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## THERMAL ANALYSIS USING ANSYS

On  
Held From  
24-JAN-2022 TO 29-JAN-2022  
Organized By  
Dept. of MECHANICAL ENGINEERING

NAME:  
Designation:  
Deptt:  
Institution:  
Phone/Mobile:  
Email:  
Date  
Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in “Fueling the quest for knowledge”. In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Mechanical Engineering was established in the year 2012 with an intake of 60 students and enhanced to 120 in the year 2014.

This department is another promising twig which plays the most significant role in its wider sense. It believes in developing studiousness among the students by giving a clear understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity.



FACULTY DEVELOPMENT PROGRAM

## THERMAL ANALYSIS USING ANSYS

On  
Organized By  
Dept. of MECHANICAL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Erukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of MECHANICAL ENGINEERING

### THERMAL ANALYSIS USING ANSYS

#### ATTENDANCE SHEET

DATE: 24-JAN-2022

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. P. RAVIKUMAR	✓	✓	✓	✓	✓	✓
2	Mr. N.V.V SATYANARAYANA	✓	✓	✓	✓	✓	✓
3	Mr. AJSAV VARA PRASAD	✓	✓	✓	✓	✓	✓
4	Mr. A. SANDEEP	✓	✓	✓	✓	✓	✓

  
PROGRAMMATIC COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MECH

### FACULTY DEVELOPMENT PROGRAM

on THERMAL ANALYSIS USING ANSYS

#### Faculty Feedback

I, SK JOHN BHASHA Working as an ASST. PROF in the department of MECH have attended the FACULTY DEVELOPMENT PROGRAM on THERMAL ANALYSIS USING ANSYS from 24-01-2022 to 29-01-2022.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	4				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
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GUNTUR - 522017

## THERMAL ANALYSIS USING ANSYS

### REPORT:

In many engineering applications, a mechanical assembly may undergo significant temperature changes. Such changes in temperature produce thermal strains and, under certain conditions, may also generate stresses. The thermal-stress analysis is necessary to evaluate the amount of warpage caused by thermal strains and to prevent failure due to excessive stresses caused by thermal conditions. To evaluate thermal strains and stresses, we may first need to perform a thermal analysis to obtain information on the temperature distribution over the mechanical assembly. In this lesson, we will learn how to import temperature results from a thermal analysis into a structural analysis in Ansys Workbench to calculate the strains, stresses, and other results from thermal loads.



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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. N.V.V. Satya Narayana has  
participated for the **FACULTY DEVELOPMENT PROGRAM** on

Thermal Analysis Using Ansys.

during 24/01/2022 to 29/01/2022

KW

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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 15/12/2021

To

The Principal,

GVR&S College of Engineering & Technology

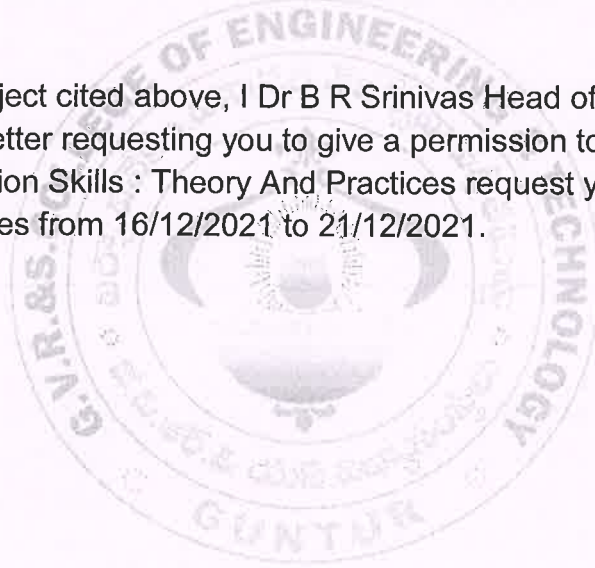
Budampadu, Guntur.

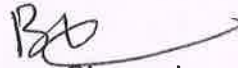
Respected Sir,

Sub: Permission to organize -FDP on Communication Skills : Theory And Practices-  
Req.

In accordance to subject cited above, I Dr B R Srinivas Head of the Department, S&H, here with this letter requesting you to give a permission to organize 6 days FDP on Communication Skills : Theory And Practices request you to provide all the needed facilities. Dates from 16/12/2021 to 21/12/2021.

Thanking you sir,



  
Yours Sincerely,

Dr B R Srinivas  
Head of the Department, S&H

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
Guntur - 522017

  
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# **GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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E-mail: [gvr\\_cet@yahoo.com](mailto:gvr_cet@yahoo.com), website: [www.gvrs.ac.in](http://www.gvrs.ac.in)

Date: 13-DEC-2021

## **CIRCULAR FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “COMMUNICATION SKILLS : THEORY AND PRATICES” from 16-DEC-2021 TO 21-DEC-2021. The program will be organized by the department of BASIC SCIENCE AND HUMANITIES in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

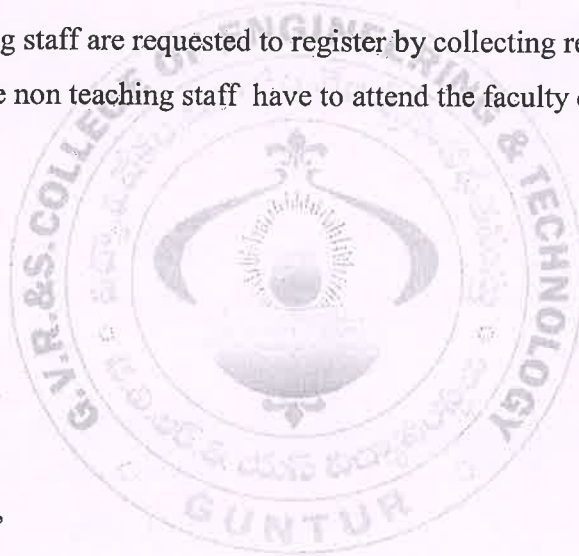
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



**PRINCIPAL**

**PRINCIPAL  
GVR & S College of Engineering & Technolo  
Budampadu, Guntur-522017**

**KW  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

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Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### Minutes of Meeting

Date: 14-DEC-2021

A meeting was held on 14-DEC-2021 in BASIC SCIENCE & HUMANITIES department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **COMMUNICATION SKILLS : THEORY AND PRATICES** from 16-DEC-2021 TO 21-DEC-2021.
- 2) Coordinator of above program has to collect the information of interested students and informto them about FACULTY DEVELOPMENT PROGRAM.
- 3) Dr B R Srinivas is nominated as Coordinator for the Faculty Development Program on **COMMUNICATION SKILLS : THEORY AND PRATICES**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 14-DEC-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Dr B. Ramesh	PROFESSOR	B. Ramesh
2	K.Sankara Rao	ASSOC. PROF	K. Sankara Rao
3	S.Ammaji	ASSOC. PROF	S. Ammaji
4	Ch.Saraswathi	ASSOC. PROF	Ch. Saraswathi
5	M.Kiran Kumar	ASSOC. PROF	M. Kiran Kumar
6	B.Aparna	ASST. PROF	B. Aparna

  
HOD

Head of the Department

BASIC SCIENCE & HUMANITIES

GVR & S College of Engg. & Tech.

GUNTUR - 522017

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Budampadu, Guntur-522017



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GUNTUR - 522017



## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

## COMMUNICATION SKILLS : THEORY AND PRATICES

Held From

16-DEC-2021 TO 21-DEC-2021

Organized By

Dept. of BASIC SCIENCE & HUMANITIES

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The department of Science and Humanities at GVR&S-CET offers the bridge courses in English, Mathematics, Physics, Chemistry, Managerial Economics & Financial Analysis and Environmental science that help the engineering freshmen get attuned to the specialized engineering domains.

In addition, the department coordinates a smoother transition of our novice engineering aspirants from the academic setting they experienced at 10 + 2 level to the study ambience they will encounter in their undergraduate Engineering and Technology course.

As an ancillary department that supports the conduct of specialized courses, offered in its domain, as a part of the curricula of other main branches of engineering the department acquires a multi-disciplinary nature and so the faculty belongs to different disciplines namely, English, Mathematics, Physics, Chemistry, Managements Studies and Environmental Sciences.

The department shields the responsibility of the consolidation of attendance and the seasonal marks of the first years and the maintenance of the Parent-Institution communications for the welfare of the students.

The faculty has addressed itself to the need to orient the students towards the ultimate goal of relating their knowledge to the reality of life situations.



FACULTY DEVELOPMENT PROGRAM

On

## COMMUNICATION SKILLS : THEORY AND PRATICES

Organized By

Dept. of BASIC SCIENCE & HUMANITIES



## GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru

Road, beside National Highway 16, opposite

to NSL Textiles, Guntur, Andhra Pradesh

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Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### FACULTY DEVELOPMENT PROGRAM

#### on COMMUNICATION SKILLS : THEORY AND PRACTICES

#### Faculty Feedback

I, B.Aparna Working as an ASST. PROF in the department of BASIC SCIENCE & HUMANITIES have attended the FACULTY DEVELOPMENT PROGRAM on COMMUNICATION SKILLS : THEORY AND PRACTICES from 16-DEC-2021 TO 21-DEC-2021.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction		4			
	Overall Rating	5				

Date:

*B. Aparna*  
Signature of the faculty

*KW*  
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E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

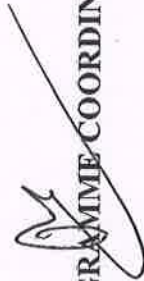
## Department of SCIENCE AND HUMANITIES

### COMMUNICATION SKILLS : THEORY AND PRACTICES

#### ATTENDANCE SHEET

DATE: 16-DEC-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. S. AMMAJI	✓	✓	✓	✓	✓	✓
2	Ms. P. RAMYA KRISHNA	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT



PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## COMMUNICATION SKILLS : THEORY AND PRATICES

### REPORT:

Communication happens in a context where the relationship between patient and provider is at the core of the interaction, and where the emotional aspect influences the communication.

- The underlying positive intention or goal of the provider is communicated to the patient (non-verbally, automatically), through the provider being aware and present to understand her concerns and needs. This non-verbal, conscious intention is felt by the patient, and “sets the tone” for the interaction.
- The non-verbal communication (about the intent) happens in an instant, and would have an (unspoken, positive) message from the provider, e.g “I am here for you, we will take good care of you. I can see you are worried. You came to the right place”, or “I am fully with you, we are here to help you, I am someone who will do my best for you, I am trustworthy. You are in safe hands”. With awareness of the intent and the goal, the provider will focus her full attention on the patient and be present with her. She will approach the patient with confidence, compassion and care.
- Some common (negative/judgmental, subconscious) messages from the providers to patients before the course were e.g “I am very busy, tell me your problem, fast”, or “I can see your child is very sick, why did you not come before?”, or “You have been to the healer? That is SO unacceptable! WE are the ones who know about how to cure people!”, or “There are so many patients here, just get on with it, so I can get to the next one, and finish my work.” These messages were sometimes spoken to the patient, and sometimes unspoken (they thought it but did not say it out loud), but the negative approach is often clearly felt by the patient. NB – we call it an “approach”, which can be sub-conscious, rather than an “intent”, which is usually conscious.

KW

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522917



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P., India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 05/09/2020

To

The Principal,

GVR & S College of Engineering & Technology

Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on HR Management - Req.

In accordance to subject cited above, I T. Vasantha Rao Head of the Department, MBA, here with this letter requesting you to give a permission to organize 5 days FDP on HR Management request you to provide all the needed facilities. Dates from 07/09/2020 to 11/09/2020.

Thanking you sir,

Yours Sincerely,

T. Vasantha Rao  
Head of the Department, MBA

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KHW  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 04-SEPT-2020

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “HR MANAGEMENT” from 07-SEPT-2020 TO 11-SEPT-2020. The program will be organized by the department of MASTER OF BUISINESS AND ADMINISTRATION in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

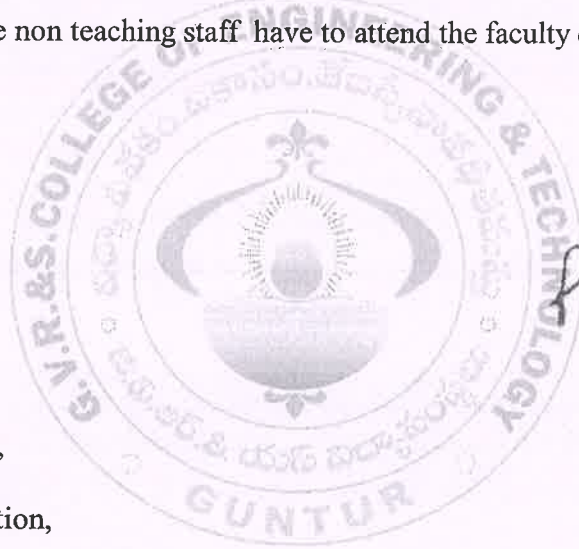
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. H. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KSW*

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MASTER OF BUSINESS ADMINISTRATION

### Minutes of Meeting

Date: 04-SEPT-2018

A meeting was held on 04-SEPT-2018 in MASTER OF BUSINESS ADMINISTRATION department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **HR MANAGEMENT** from 07-SEPT-2018 TO 11-SEPT-2018
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) T. Vasantha Rao is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **HR MANAGEMENT**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 04-SEPT-2018.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	Dr. D.Raj kumar P	Professor	
2.	T.Ramesh	Assistant Professor	
3.	P.Saritha	Associate Professor	
4.	M.Anusha	Assistant Professor	
5.	K.Sudheer	Associate Professor	
6.	M.Aresh Babu	Assistant Professor	

HOD

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On  
**HR MANAGEMENT**

Held From  
07-SEPT-2018 TO 11-SEPT-2018

Organized By  
Dept. of MBA

NAME:  
Designation:  
Deptt:  
Institution:  
Phone/Mobile:  
Email:  
Date

Signature



## ABOUT COLLEGE

GVR&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangireni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

## ABOUT DEPARTMENT

The Department of Business Administration was established in the year 2009 with an intake 60 seats and enhanced to 120 in the year 2014. The Master of Business Administration (MBA) program is designed to meet the challenge of fulfilling the needs of the society under resource constraints by providing new dimensions in the body of knowledge needed for managerial development. Environmental, social, ecological, and economic forces are affecting every sector of business enterprise and every area of business, governmental and industrial administration. The MBA program will prepare students for assuming responsibility of management in their career path in business and other organizations. The program also prepares students having career interest in teaching or research and also for higher studies. The core strength of the MBA Program is the extensive coverage in the field of specialization along with exposure to a wide array of quantitative and qualitative analytical tools.



FACULTY DEVELOPMENT PROGRAM

On  
**HR MANAGEMENT**

Organized By  
Dept. of MBA



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

*VSN*  
**PRINCIPAL**  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)  
Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES

### HR MANAGEMENT


#### ATTENDANCE SHEET

DATE: 07-SEPT-2020

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. R. AKHILA	✓	✓	✓	✓	✓	✓
2	Mr. N. SYAM KUMAR	✓	✓	✓	✓	✓	✓
3	Mr. AJSAV VARA PRASAD	✓	✓	✓	✓	✓	✓
4	Mr. CH. VENKATESH	✓	✓	✓	✓	✓	✓
5	Mr. T. VASANTHA RAO	✓	✓	✓	✓	✓	✓
6	Mr. V. PRASANTH BABU	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT  
Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MASTER OF BUSINESS ADMINISTRATION

### FACULTY DEVELOPMENT PROGRAM

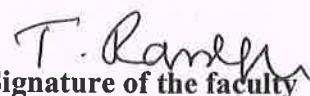
On HR MANAGEMENT

#### Faculty Feedback

I, T. Ramesh Working as an ASST. PROF in the department of MASTER OF BUSINESS ADMINISTRATION have attended the FACULTY DEVELOPMENT PROGRAM on HR MANAGEMENT from 07-SEPT-2018 TO 11-SEPT-2018

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## HR MANAGEMENT

### REPORT:

While human resource management is important to all businesses, the stakes may be higher for smaller organizations. For example, one incompetent employee in an office of 10 people can be much more detrimental than one in a workforce numbering in the thousands. To improve their people processes, small business owners generally can:

1. Assess current operations to determine if new hires are needed or if existing employees and production methods can be utilized more effectively.
2. Take an active role in the recruitment process and write job descriptions that match prospective talent to business needs.
3. Create an employee handbook or an official document that clearly outlines company policies.
4. Provide continuing education opportunities as needed by the particular industry.
5. Maintain a work environment where employees are treated fairly and can be productive.

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. T. Vasanthra Rao* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*HR Management*

during *1/9/2020 to 11/9/2020*

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 13/03/2021

To

The Principal,

GVR&S College of Engineering & Technology

Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Simulation Of Strength Of Materials Using 3d Technology- Req.

In accordance to subject cited above, I A. Narendra Head of the Department, CE, here with this letter requesting you to give a permission to organize 6 days FDP on Simulation Of Strength Of Materials Using 3d Technology request you to provide all the needed facilities. Dates from 15/03/2021 to 20/03/2021.

Thanking you sir,

Yours Sincerely,

*A. Narendra*  
A. Narendra

Head of the Department, CE

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*

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GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 13-MAR-2021

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY” from 15-MAR-2021 TO 20-MAR-2021. The program will be organized by CIVIL department in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

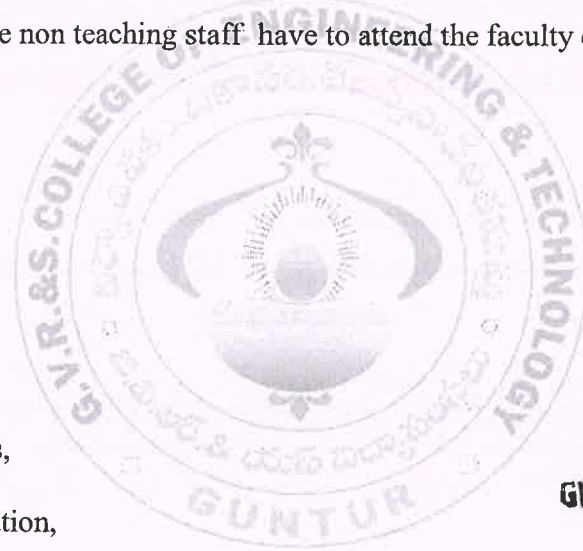
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

PRINCIPAL

GVR & S College of Engg. & Tech,  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Civil Engineering Minutes of Meeting

Date: 14-03-2021

A meeting was held on 14-03-2021 in CE department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on **SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY** from 15-03-2021 to 20-03-2021.
2. Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
3. A. Narendra Kumar is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 14-03-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	N.Surendra	ASST. PROF	<i>surendra</i>
2	R.Sai Ganesh	ASST. PROF	<i>ganesh</i>
3	P.Vinay Kumar	ASST. PROF	<i>vinay</i>
4	S.Deepak	ASST. PROF	<i>deepak</i>
5	A.PavanTeja	ASST. PROF	<i>PavanTeja</i>
6	Ch.Priyanka	ASST. PROF	<i>Priyanka</i>

*A. Surendra*  
HOD

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*B. Sankar*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

### SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY

Held From

15-MAR-2021 TO 20-MAR-2021

Organized By

Dept. of CIVIL ENGINEERING

NAME:

Designation:

Deptt:

Institution:

Phone/Mobile:

Email:

Date

Signature



#### ABOUT COLLEGE

GVR&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangireni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R.&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

#### ABOUT DEPARTMENT

This being the youngest department was started in the year 2014 with an intake of 60 seats. Though it was started later than the other departments, the department has shown good results in both academics and industry orientation. Besides focusing on completing the course content, it further directs the students to learn and understand design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals and buildings.



FACULTY DEVELOPMENT PROGRAM

On

### SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY

Organized By

Dept. of CIVIL ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Ethukuru, Ponnuru

Road, beside National Highway 16, opposite

to NSL Textiles, Guntur, Andhra Pradesh

522017

Handwritten initials



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

## Department of CIVIL ENGINEERING

### ADVANCEMENTS IN STRUCTURAL ENGINEERING

#### ATTENDANCE SHEET

DATE: 07-OCT-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	ALLA PAVAN TEJA	✓	✓	✓	✓	✓	✓
2	GANDIKOTA ABDUL KHADAR	✓	✓	✓	✓	✓	✓
3	PODUGU VINAY KUMAR	✓	✓	✓	✓	✓	✓
4	D ASHOK VARMA	✓	✓	✓	✓	✓	✓
5	JAHNAVI DIVI	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of CE

### FACULTY DEVELOPMENT PROGRAM

on SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY

#### Faculty Feedback

I, N.Surendra Working as an ASST. PROF in the department of CE have attended the FACULTY DEVELOPMENT PROGRAM on SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY from 15-03-2021 to 20-03-2021.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic	4				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*N. Surendra*  
Signature of the faculty

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## **SIMULATION OF STRENGTH OF MATERIALS USING 3D TECHNOLOGY REPORT:**

In some cases, 3D-printed products must be able to resist the stresses caused by their functionality. The design of bionic artificial hand is considered as a construction made using 3D printing technology, the strength of which must be assessed. The artificial limb is made using extrusion plastic printing. In order to assess the strength of the artificial limb, the experimental study of the samples made using 3D printing technology was carried out. The influence of three parameters on the strength characteristics of the samples was studied: the percentage of filling, the filling pattern and the direction of the material layering in the sample.

  
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GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. Sk. Srfem* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Simulation of Strength Materials Using 3D Technology*

during 15/3/2024 to 20/3/2024.

*KLV*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*B. Sankar*

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 30/01/2021

To

The Principal,

GVR&S College of Engineering & Technology

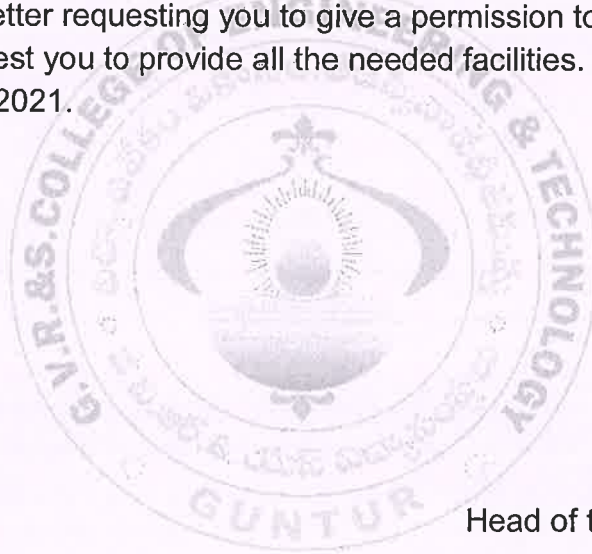
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on LATEX- Req.

In accordance to subject cited above, I M. Markendyulu Head of the Department, CSE, here with this letter requesting you to give a permission to organize 6 days FDP on LATEX request you to provide all the needed facilities. Dates from 01/02/2021 to 05/02/2021.

Thanking you sir,



Yours Sincerely,  
*M. Markendyulu*  
M. Markendyulu

Head of the Department, CSE

Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 29-01-2021

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “LATEX” from 01-FEB-2021 TO 05-FEB-2021. The program will be organized by the department of COMPUTER SCIENCE AND ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

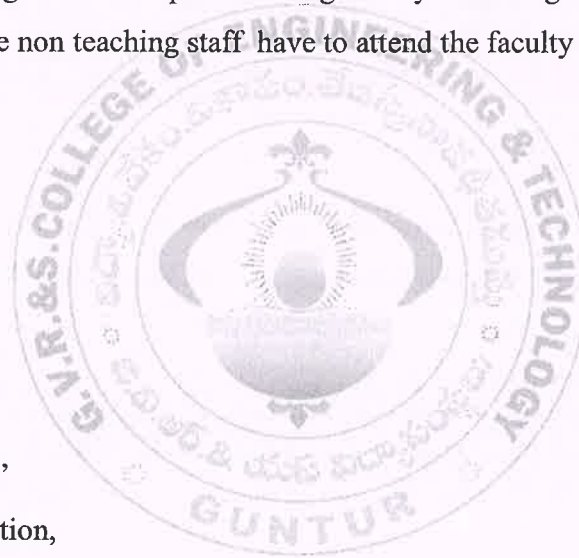
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Computer Science Engineering Minutes of Meeting

Date: 31-01-2021

A meeting was held on 31-01-2021 in CSE department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on LATEX from 01-02-2021 to 05-02-2021.
2. Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
3. A. HANUMANTH PRASAD is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on LATEX, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 31-01-2021.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	M.MARKANDEYULU	ASST. PROF	M. Markandeyulu
2	B. BENARJI	ASST. PROF	B. Benarji
3	D.ROHINI	ASST. PROF	D. Rohini
4	D.HARI KRISHNA	ASST. PROF	D. Hari Krishna
5	K.AKHILA	ASST. PROF	K. Akhila
6	PATTAN FIROZE	ASST. PROF	Pattan Firoze
7	K.RAMESH BABU	ASST. PROF	K. Ramesh Babu

M. Markandeyulu  
HOD  
of the Department  
of Computer Science & Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

B. Benarji  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

K. Ramesh Babu  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

## FACULTY DEVELOPMENT PROGRAM

On

### 5 DAYS FACULTY DEVELOPMENT PROGRAM ON LATEX

Held From

01-FEB-2021 TO 05-FEB-2021

Organized By

Dept. of COMPUTER SCIENCE & ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society, whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

CSE Department came into inception from 2007 onwards with an intake of 60 seats in B.Tech, and enhanced to 120 seats in the year 2009. In view of the accentuated interest towards CSE and its immensity of growth the Department of Computer Science and Engineering has developed well appointed laboratories where the main focus is on the development of logical reasoning that is stressed upon, in all practical applications.

The department boasts of promoting a unique mode of teaching-learning setting, one that makes an effective utilization of the advanced aids of teaching. The Department imparts world class training and provides state of the art of computing facilities to the students. CSE Department is offering M.Tech (CSE) program from 2012 onwards with an intake of 18 and enhanced to 24 seats in the year 2013.



## FACULTY DEVELOPMENT PROGRAM

On

### 5 DAYS FACULTY DEVELOPMENT PROGRAM ON LATEX

Organized By

Dept. of COMPUTER SCIENCE & ENGINEERING



GVR&S College of Engineering & Technology

Technology

Near Budampadu Etukuru, Ponnuru

Road, beside National Highway 16, opposite

to NSL Textiles, Guntur, Andhra Pradesh

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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of CSE FACULTY DEVELOPMENT PROGRAM

on LATEX

### Faculty Feedback

I, D.ROHINI Working as an ASST. PROF in the department of CSE have attended the FACULTY DEVELOPMENT PROGRAM on LATEX from 01-02-2021 to 05-02-2021.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker`s level of command on the topic		4			
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	8				

Date:

*D. Rohini*  
Signature of the faculty

*KW*  
PRINCIPAL  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of COMPUTER SCIENCE AND ENGINEERING

### FACULTY DEVELOPMENT PROGRAM


#### 5 DAYS FACULTY DEVELOPMENT PROGRAM ON LATEX

#### ATTENDANCE SHEET

DATE: 01-FEB-2021

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. B.S.N BENARJI	✓	✓	✓	✓	✓	✓
2	Mrs. D. ROHINI	✓	✓	✓	✓	✓	✓
3	Mrs. R. AKHILA	✓	✓	✓	✓	✓	✓
4	Mr. EDA VAMSI KRISHNA REDDY	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT

Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## 5 DAYS FACULTY DEVELOPMENT PROGRAM ON LATEX

### REPORT:

LaTeX is a type setting software for preparing reports, letters and presentations - especially useful for persons engaged in writing/ publishing documents from science/ arts/ commerce fields. LaTeX allows to manage references, figures, tables, footnotes, formatting, mathematical equations, algorithms, scientific proofs, and more in a programmatic fashion that provides benefits far exceeding that of word processing software.

KW

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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. D. Robini has

participated for the **FACULTY DEVELOPMENT PROGRAM** on

5 Days Faculty Development Program on Latex

during 01/02/2021 to 05/02/2021

KW

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

B. Sankar

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 03/10/2020

To

The Principal,

GVR&S College of Engineering & Technology

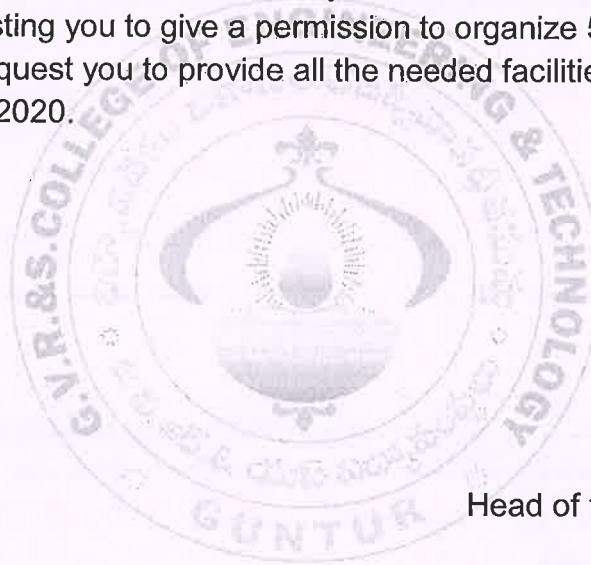
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Internet Of Things- Req.

In accordance to subject cited above, I V Rajesh Head of the Department, EEE, here with this letter requesting you to give a permission to organize 5 days FDP on Internet Of Things request you to provide all the needed facilities. Dates from 05/10/2020 to 11/10/2020.

Thanking you sir,



Yours Sincerely,

V. Rajesh

Head of the Department, EEE

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KSW

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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 02-OCT-2020

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “INTERNET OF THINGS” from 05-OCT-2020 TO 11-OCT-2020. The program will be organized by the department of ELECTRICAL AND ELECTRONICS ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

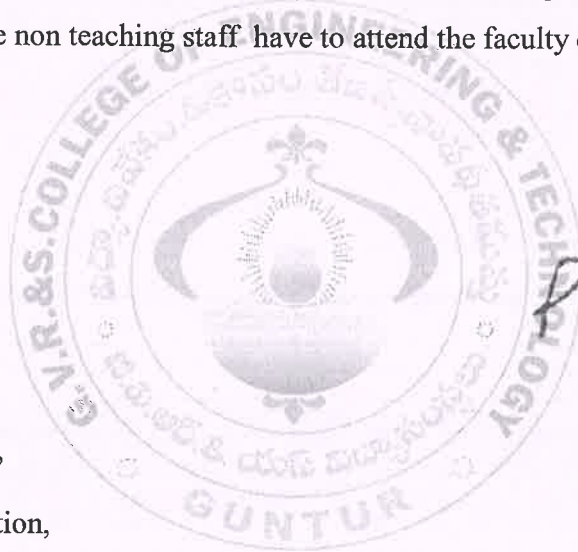
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. S. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*

PRINCIPAL  
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Electrical and Electronic Engineering Minutes of Meeting

Date: 04-10-2020

A meeting was held on 04-10-2020 in EEE department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on **INTERNET OF THINGS** from 05-10-2020 to 11-10-2020.
2. Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
3. V. RAJESH is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **INTERNET OF THINGS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 04-10-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	J.Nageswara Rao	ASST. PROF	Nageswara
2	J.NirmalaJyothi	ASST. PROF	Nirmala
3	MD Younus	ASST. PROF	Younus
4	Sk.Thangella	ASST. PROF	Thangella
5	B.Gopala Krishna Naik	ASST. PROF	Gopala
6	S.Mahendra	ASST. PROF	Mahendra
7	N.SaiPavan Kumar	ASST. PROF	Saipava

V. Rajesh  
HOD

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

P. S. Das  
PRINCIPAL

KW  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# REGISTRATION FORM

## FACULTY DEVELOPMENT PROGRAM

On  
**INTERNET OF THINGS**

Held From  
05-OCT-2020 TO 11-OCT-2020

Organized By  
Dept. of ELECTRICAL & ELECTRONICS  
ENGINEERING

NAME:  
Designation:  
Dept:  
Institution:  
Phone/Mobile:  
Email:  
Date  
Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society, whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The field of Electrical & Electronics Engineering (BEE) is the place to be in for those who love electrical systems ranging from heavy power generators to the smallest of micro-chips. The Mission of the department is to train the stakeholders in contemporary knowledge and innovative skills, both functional and integrative in the discipline of Electrical and Electronics Engineering focusing on strong foundation in basic concepts, courses in tune with modern trends, leadership, networking and team building, entrepreneurship, ethics and governance.



## FACULTY DEVELOPMENT PROGRAM

On  
**INTERNET OF THINGS**

Organized By  
Dept. of ELECTRICAL & ELECTRONICS  
ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh  
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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvs\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND ELECTRICAL ENGINEERING

### INTERNET OF THINGS

#### ATTENDANCE SHEET

DATE: 05-OCT-2020

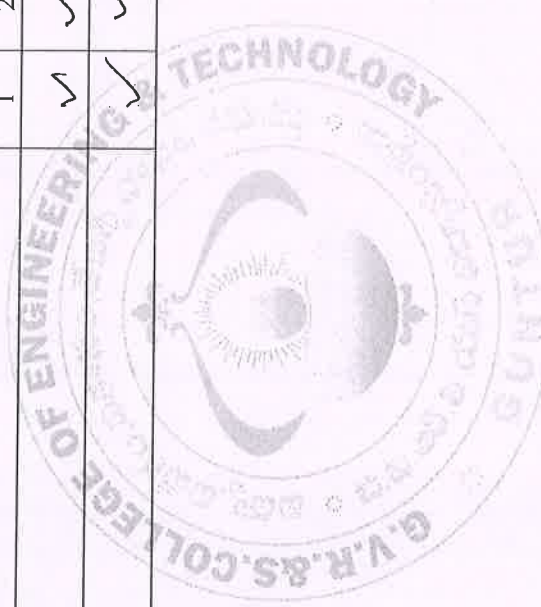
S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. J. NIRMALA JYOTHI	✓	✓	✓	✓	✓	✓
2	Mr. U. SIVA KUMAR	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR S

Department of EEE

## FACULTY DEVELOPMENT PROGRAM

on INTERNET OF THINGS


### Faculty Feedback

I, MD Younus Working as an ASST. PROF in the department of EEE have attended the FACULTY DEVELOPMENT PROGRAM on INTERNET OF THINGS from 05-10-2020 to 11-10-2020.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?		4			
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication		4			
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

## INTERNET OF THINGS

### REPORT:

The term IoT, or Internet of Things, refers to the collective network of connected devices and the technology that facilitates communication between devices and the cloud, as well as between the devices themselves. Thanks to the advent of inexpensive computer chips and high bandwidth telecommunication, we now have billions of devices connected to the internet. This means everyday devices like toothbrushes, vacuums, cars, and machines can use sensors to collect data and respond intelligently to users.

The Internet of Things integrates everyday “things” with the internet. Computer Engineers have been adding sensors and processors to everyday objects since the 90s. However, progress was initially slow because the chips were big and bulky. Low power computer chips called RFID tags were first used to track expensive equipment. As computing devices shrank in size, these chips also became smaller, faster, and smarter over time.

The cost of integrating computing power into small objects has now dropped considerably. For example, you can add connectivity with Alexa voice services capabilities to MCUs with less than 1MB embedded RAM, such as for light switches. A whole industry has sprung up with a focus on filling our homes, businesses, and offices with IoT devices. These smart objects can automatically transmit data to and from the Internet. All these “invisible computing devices” and the technology associated with them are collectively referred to as the Internet of Things.

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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. U. Siva Kumar* has  
participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Interest of Things*

during 5/10/2020 to 11/10/2020

KW

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. H. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 10/12/2020

To

The Principal,

GVR&S College of Engineering & Technology

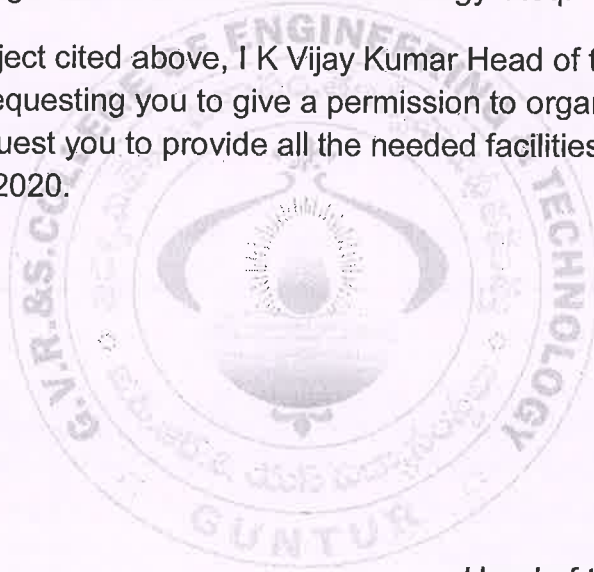
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Multi Technology- Req.

In accordance to subject cited above, I K Vijay Kumar Head of the Department, ECE, here with this letter requesting you to give a permission to organize 6 days FDP on Multi Technology request you to provide all the needed facilities. Dates from 11/12/2020 to 16/12/2020.

Thanking you sir,



*K. Vijay Kumar*  
Yours Sincerely,

K Vijay Kumar  
Head of the Department, ECE

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KV*  
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GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 10-DEC-2020

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “ONLINE FACULTY DEVELOPMENT PROGRAM ON MULTI TECHNOLOGY” from 11-DEC-2020 TO 16-DEC-2020. The program will be organized by the department of ELECTRONICS AND COMMUNICATION ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

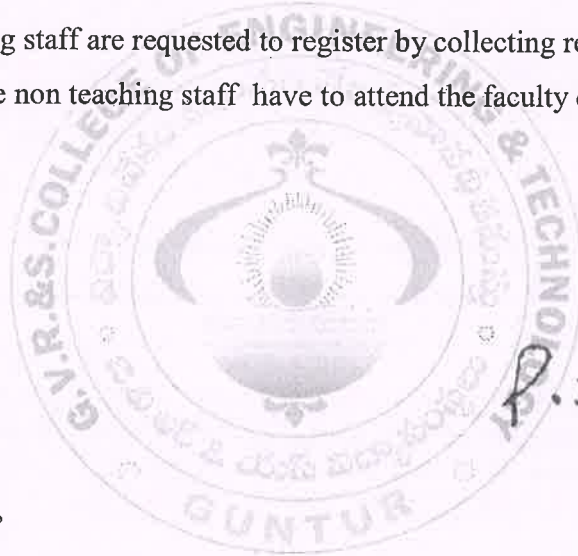
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. H. Das*

PRINCIPAL

PRINCIPAL

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GUNTUR - 522017

*KW*

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Electronics and Communication Engineering

### Minutes of Meeting

Date: 10-12-2020

A meeting was held on 10-12-2020 in ECE department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on **MULTI TECHNOLOGY** from 11-12-2020 to 16-12-2020.
2. Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
3. K. VIJAY KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **MULTI TECHNOLOGY**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 10-12-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	P. SANTHI KUMARI	ASST. PROF	
2	M. SANDHYA RANI	ASST. PROF	
3	B. CHANDRAN MAHESH	ASST. PROF	
4	N. SRI PRAKASH	ASST. PROF	
5	K. VYSHNAVI	ASST. PROF	
6	CH. NARASIMHA RAO	ASST. PROF	
7	G. YASASWI	ASST. PROF	

HOD

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

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GUNTUR - 522017



# REGISTRATION FORM

## FACULTY DEVELOPMENT PROGRAM

### On ONLINE FACULTY DEVELOPMENT PROGRAM ON MULTI TECHNOLOGY

Held From

11-DEC-2020 TO 16-DEC-2020

Organized By

Dept. of ELECTRONICS &  
COMMUNICATIONS ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society, whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

The department of ECE in G.V.R&S College of Engineering and Technology best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication which was established in 2007. The department provides with state of the art technological tools incorporated in all the existing laboratories. For the last ten years the students of the ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

The augmentation of the intake of the department from 60 in the year 2007, later the intake was increased to 120 in the year 2009. The introduction of M. Tech program in DECS in the academic year 2012 with intake of 18 seats, later VLSI and Embedded System Design introduced in 2014 with an intake of 18.



## FACULTY DEVELOPMENT PROGRAM

### On ONLINE FACULTY DEVELOPMENT PROGRAM ON MULTI TECHNOLOGY

Organized By

Dept. of ELECTRONICS &  
COMMUNICATIONS ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Etkurru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

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VLSI

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GUNTUR - 522017

Tech



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of ECE FACULTY DEVELOPMENT PROGRAM

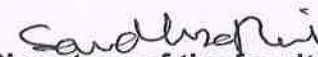
on MULTI TECHNOLOGY


### Faculty Feedback

I, M. SANDHYA RANI Working as an ASST. PROF in the department of ECE have attended the FACULTY DEVELOPMENT PROGRAM on MULTI TECHNOLOGY from 11-12-2020 to 16-12-2020.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction		4			
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

Department of ELECTRONICS AND COMMUNICATION ENGINEERING

ONLINE FACULTY DEVELOPMENT PROGRAM ON MULTI TECHNOLOGY

TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

ATTENDANCE SHEET

DATE: 11-DEC-2020

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mrs. G. KRANTHI KUMARI	✓	✓	✓	✓	✓	✓
2	Mr. G. V N CHIRANJEEVI	✓	✓	✓	✓	✓	✓
3	Mr. N. SYAM KUMAR	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

HEAD OF THE DEPARTMENT

**PRINCIPAL**  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## **ONLINE FACULTY DEVELOPMENT PROGRAM ON MULTI TECHNOLOGY REPORT:**

The objective of the FDP on “Multi Technology” is to impart a wide range of technologies used for design, develop and deploy web applications in large scale. This programme offers all basic and in depth topics related to Full stack Web application development, Cloud Computing, Versioning system and Data Mining. This FDP is planned to facilitate the upgradation of knowledge and skills of faculties in technical institutions. The main aim is to fill the gap between academic institutes and industry needs.

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. N. Syam Kumar* has  
participated for the **FACULTY DEVELOPMENT PROGRAM** on

*Multi Technology*

during *11/12/2020 to 16/12/2020*

*KS*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 22/10/2020

To

The Principal,

GVR&S College of Engineering & Technology

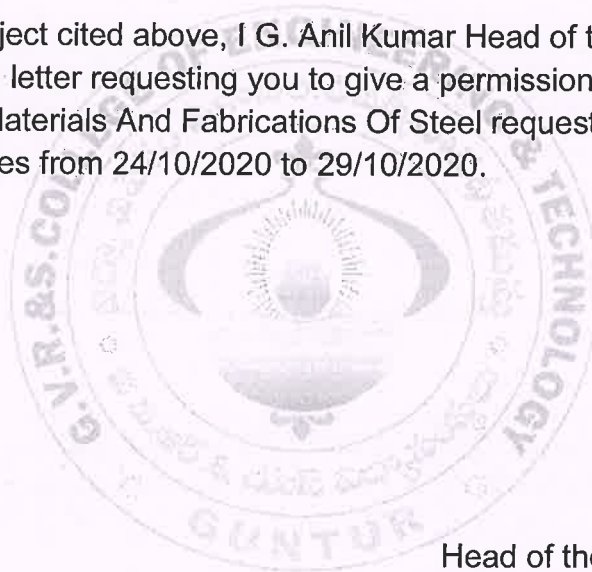
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Casting Of Materials And Fabrications Of Steel- Req.

In accordance to subject cited above, I G. Anil Kumar Head of the Department, MECH, here with this letter requesting you to give a permission to organize 6 days FDP on Casting Of Materials And Fabrications Of Steel request you to provide all the needed facilities. Dates from 24/10/2020 to 29/10/2020.

Thanking you sir,



Yours Sincerely,

G. Anil Kumar

Head of the Department, MECH

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date:22-10-2020

## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “CASTING OF MATERIALS AND FABTICATIONS OF STEEL” from 24-OCT-2020 TO 29-OCT-2020. The program will be organized by Mechanical department in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

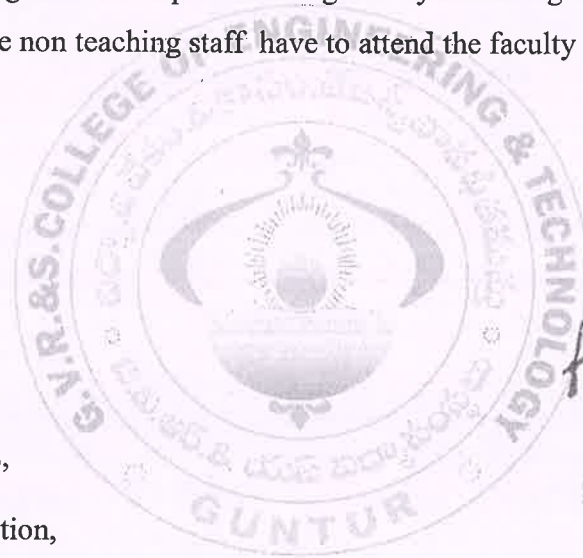
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Mechanical Engineering Minutes of Meeting

Date: 23-10-2020

A meeting was held on 23-10-2020 in MECH department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on **CASTING OF MATERIALS AND FABTICATIONS OF STEEL** from 24-10-2020 to 29-10-2020.
2. Coordinator of above program has to collect the information of interested students and informto them about FACULTY DEVELOPMENT PROGRAM.
3. G. ANIL KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **CASTING OF MATERIALS AND FABTICATIONS OF STEEL**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 23-10-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	YNV SANTHOSH KUMAR	ASST. PROF	
2	N.SAI KUMAR	ASST. PROF	
3	P.RAMAKRISHNA	ASST. PROF	
4	ASSAV PRASAD	ASST. PROF	
5	A.SIVA KUMAR	ASST. PROF	
6	P.SATHISH	ASST. PROF	
7	P.RAMESHBABU	ASST. PROF	

HOD

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

### CASTING OF MATERIALS AND FABTICATIONS OF STEEL

Held From

24-OCT-2020 TO 29-OCT-2020

Organized By

Dept. of MECHANIOCAL ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Mechanical Engineering was established in the year 2012 with an intake of 60 students and enhanced to 120 in the year 2014.

This department is another promising twig which plays the most significant role in its wider sense. It believes in developing studiousness among the students by giving a clear understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity.



FACULTY DEVELOPMENT PROGRAM

On

### CASTING OF MATERIALS AND FABTICATIONS OF STEEL

Organized By

Dept. of MECHANIOCAL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Erukuru, Ponnuru

Road, beside National Highway 16, opposite

to NSL Textiles, Guntur, Andhra Pradesh

522017

LM

PRINCIPAL

GVR & S College of Enngg,  
GUNTUR - 522017

Tech



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) - 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

## Department of MECHANICAL ENGINEERING

### CASTING OF MATERIALS AND FABRICATIONS OF STEEL

#### ATTENDANCE SHEET

DATE: 24-OCT-2020

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Mr. P. RAVIKUMAR	✓	✓	✓	✓	✓	✓
2	Mr. N.V.V SATYANARAYANA	✓	✓	✓	✓	✓	✓
3	Mr. AJSAV VARA PRASAD	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR



HEAD OF THE DEPARTMENT

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of MECH

### FACULTY DEVELOPMENT PROGRAM

on CASTING OF MATERIALS AND FABTICATIONS OF STEEL

#### Faculty Feedback

I, YNV SANTHOSH KUMAR Working as an ASST. PROF in the department of MECH have attended the FACULTY DEVELOPMENT PROGRAM on CASTING OF MATERIALS AND FABTICATIONS OF STEEL from 24-10-2020 to 29-10-2020.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactor y(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker`s level of command on the topic	4				
4	Effectiveness of the speaker in terms of communication	4				
5	Level of interaction	5				
	Overall Rating	5				

Date:

YNV Santosh Kumar  
Signature of the faculty

KW

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

## **CASTING OF MATERIALS AND FABTICATIONS OF STEEL**

### **REPORT:**

Casting is one of the oldest manufacturing process. It is the first step in making most of the products. • Steps: - Making mould cavity - Material is first liquefied by properly heating it in a suitable furnace. - Liquid is poured into a prepared mould cavity - allowed to solidify - product is taken out of the mould cavity, trimmed and made to shape We should concentrate on the following for successful casting operation:

- (i)Preparation of moulds of patterns
- (ii)Melting and pouring of the liquefied metal
- (iii)Solidification and further cooling to room temperature
- (iv)Defects and inspection

  
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. P. Ravi Kumar* has  
participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Casting of Materials and Fabrication of Steel*  
during *24/10/2020 to 29/10/2020*.

KH

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Ravi Kumar*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 13/11/2020

To

The Principal,

GVR&S College of Engineering & Technology

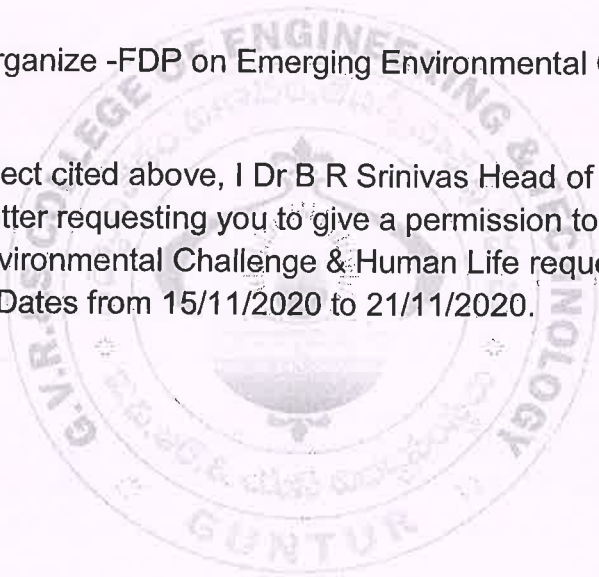
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Emerging Environmental Challenge & Human Life- Req.

In accordance to subject cited above, I Dr B R Srinivas Head of the Department, S&H, here with this letter requesting you to give a permission to organize 7 days FDP on Emerging Environmental Challenge & Human Life request you to provide all the needed facilities. Dates from 15/11/2020 to 21/11/2020.

Thanking you sir,



  
Yours Sincerely,

Dr B R Srinivas  
Head of the Department, S&H  
Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

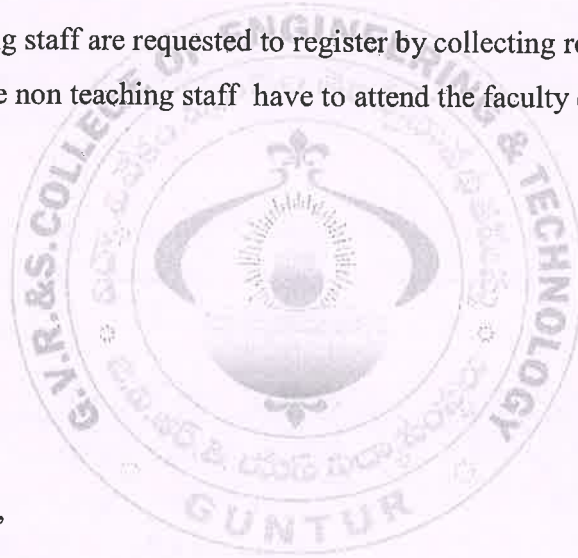
Date: 13-NOV-2020

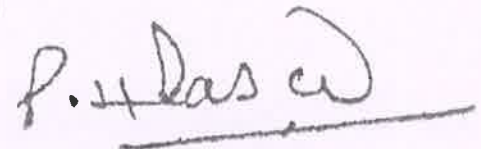
## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE” from 15-NOV-2020 TO 21-NOV-2020. The program will be organized by the department of BASIC SCIENCE AND HUMANITIES in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.





**PRINCIPAL**

**PRINCIPAL**

**GVR & S College of Engineering & Technology  
Budampadu, Guntur-522017**

Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



**PRINCIPAL**

**GVR & S College of Engg. & Tech.  
GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### Minutes of Meeting

Date: 13-NOV-2020

A meeting was held on 13-NOV-2020 in BASIC SCIENCE & HUMANITIES department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on **EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE** from 15-NOV-2020 TO 21-NOV-2020.
2. Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
3. K. Sankara Rao is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE**, instructed to prepare the design and development of curriculum for Faculty Development Program by 13-NOV-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	S. Ammaji	Associate Professor	
2	G.Usha Devi	Associate Professor	
3	Ch.Saraswathi	Associate Professor	
4	M.Kiran Kumar	Associate Professor	
5	B.Aparna	Assistant Professor	
6	Sk.Durga Moulali	Assist Professor	
7	A.Nagarjuna	Assist Professor	

HOD

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

PRINCIPAL  
GVR & S College of Engineering & Technology,  
Budampadu, Guntur-522017

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

## FACULTY DEVELOPMENT PROGRAM

### On EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE

Held From

15-NOV-2020 TO 21-NOV-2020

Organized By

Dept. of BASIC SCIENCE & HUMANITIES

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Ganginani Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Ganginani Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Ganginani Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

The department of Science and Humanities at GVR&S-CET offers the bridge courses in English, Mathematics, Physics, Chemistry, Managerial Economics & Financial Analysis and Environmental science that help the engineering freshmen get attuned to the specialized engineering domains. In addition, the department coordinates a smoother transition of our novice engineering aspirants from the academic setting they experienced at 10 + 2 level to the study ambience they will encounter in their undergraduate Engineering and Technology course.

As an ancillary department that supports the conduct of specialized courses, offered in its domain, as a part of the curricula of other main branches of engineering the department acquires a multi-disciplinary nature and so the faculty belongs to different disciplines namely, English, Mathematics, Physics, Chemistry, Management Studies and Environmental Sciences.

The department shields the responsibility of the consolidation of attendance and the seasonal marks of the first years and the maintenance of the Parent-Institution communications for the welfare of the students. The faculty has addressed itself to the need to orient the students towards the ultimate goal of relating their knowledge to the reality of life situations.



## FACULTY DEVELOPMENT PROGRAM

### On EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE

Organized By

Dept. of BASIC SCIENCE & HUMANITIES



GVR&S College of Engineering & Technology

Near Budampadu Etkuru, Ponnuru

Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh

522017

ASB

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GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES

### EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE

#### ATTENDANCE SHEET

DATE: 10-MAR-2020

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	CH. SARASWATHI	✓	✓	✓	✓	✓	✓
2	S. AMMAJI	✓	✓	✓	✓	✓	✓
3	P. RAMYA KRISHNA	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
G.V.R.&S. College of Engg. & Tech  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### FACULTY DEVELOPMENT PROGRAM


#### on EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE

#### Faculty Feedback

I, S.Ammaji Working as an ASSOC. PROF in the department of BASIC SCIENCE & HUMANITIES have attended the Faculty Development Program on EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE from 15-NOV-2020 TO 21-NOV-2020.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## **EMERGING ENVIRONMENTAL CHALLENGE & HUMAN LIFE**

### **REPORT:**

Environmental challenges such as climate change, extreme weather, and the water cycle transcend disciplinary as well as geographic boundaries, and require multidisciplinary approaches to ameliorate their effects. These approaches increasingly underscore the importance of data-driven environmental research and education. In response to these “grand challenge” problems, the geoscience community is shifting its emphasis from pure disciplinary research to a more balanced mix that advances disciplinary knowledge while looking to apply research results to interdisciplinary questions touching both science and society.

Given the changing scientific landscape and emphasis, it has become clear that Unidata develops and supports cyberinfrastructure that not only enables researchers to advance the frontiers of science, but transcends traditional disciplinary boundaries. The main challenge for any data service is to provide easy access to the right data, in the right format, to the end-user application.

*Kew*

**PRINCIPAL**

**GVR & S College of Engg. & Tech.**

**GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 05/10/2019

To

The Principal,

GVR&S College of Engineering & Technology

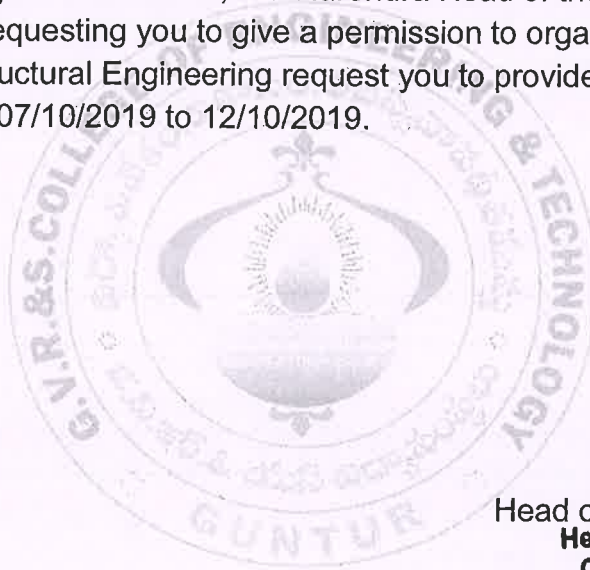
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Advancements In Structural Engineering- Req.

In accordance to subject cited above, I A. Narendra Head of the Department, CE, here with this letter requesting you to give a permission to organize 6 days FDP on Advancements In Structural Engineering request you to provide all the needed facilities. Dates from 07/10/2019 to 12/10/2019.

Thanking you sir,



Yours Sincerely,

*A. Narendra*  
A. Narendra

Head of the Department, CE  
Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 04-OCT-2019

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “ADVANCEMENTS IN STRUCTURAL ENGINEERING” from 07-OCT-2019 TO 12-OCT-2019. The program will be organized by CIVIL department in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

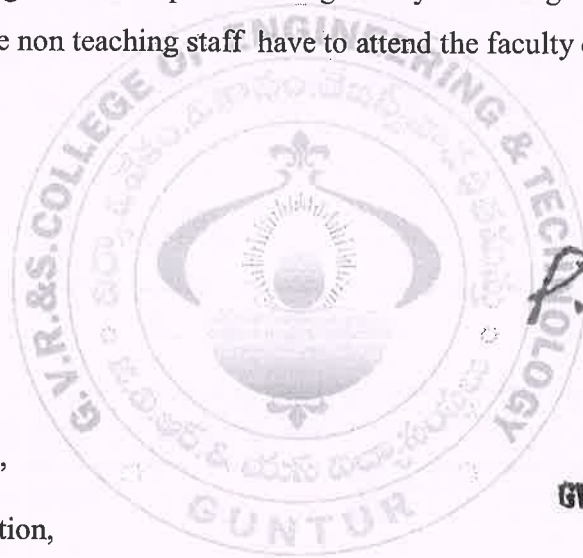
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KSW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Civil Engineering Minutes of Meeting

Date: 06-10-2019

A meeting was held on 06-10-2019 in CE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **ADVANCEMENTS IN STRUCTURAL ENGINEERING** from 07-10-2019 to 12-10-2019.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) CH. PRIYANKA is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **ADVANCEMENTS IN STRUCTURAL ENGINEERING**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 06-10-2019.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	S. SWETHA	ASST. PROF	Swetha
2	V. RAVI KUMAR	ASST. PROF	Ravikumar
3	M. NAGA RAMU	ASST. PROF	Naga Ramu
4	A. TEJA	ASST. PROF	Teja
5	P. VINAY KUMAR	ASST. PROF	Vinay Kumar
6	G. ABDUL KHADAR	ASST. PROF	Abdul Khadar

A. Nandani  
HOD

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

P. H. Das  
PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

K. H.  
PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

### On ADVANCEMENTS IN STRUCTURAL ENGINEERING

Held From  
07-OCT-2019 TO 12-OCT-2019

Organized By  
Dept. of CIVIL ENGINEERING

NAME:  
Designation:  
Dept:  
Institution:  
Phone/Mobile:  
Email:  
Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja)-CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

This being the youngest department was started in the year 2014 with an intake of 60 seats. Though it was started later than the other departments, the department has shown good results in both academics and industry orientation.

Besides focusing on completing the course content, it further directs the students to learn and understand design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals and buildings.



FACULTY DEVELOPMENT PROGRAM

### On ADVANCEMENTS IN STRUCTURAL ENGINEERING

Organized By  
Dept. of CIVIL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

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# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

Department of CE

## FACULTY DEVELOPMENT PROGRAM

on ADVANCEMENTS IN STRUCTURAL ENGINEERING

### Faculty Feedback

I, S. SWETHA Working as an ASST. PROF in the department of CE have attended the FACULTY DEVELOPMENT PROGRAM on **ADVANCEMENTS IN STRUCTURAL ENGINEERING** from 07-10-2019 to 12-10-2019.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*S. Swetha*  
Signature of the faculty

*KW*

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## ADVANCEMENTS IN STRUCTURAL ENGINEERING

### REPORT:

Structural engineering focuses on the design and analysis of structures like buildings, bridges, and dams. Engineers need to comprehend the stability, strength, and rigidity of the buildings, subject to factors like susceptibility to earthquakes and loading capacity. Structural engineering is commonly called designing the 'bones and muscles of a structure' as its primary goal is to ensure the structures are safe, stable, and can withstand intended loads and environmental conditions.

Structural engineers work with architects and other professionals charged with planning, designing, and constructing the project. They can also be involved in designing other assets of the project such as machinery that impact structural integrity. While designing, they consider factors like the shape and configurations of the structure, the material used for construction, and the loads the structure may experience during its lifetime.

KW

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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. D. Jahnavi* has

participated for the **FACULTY DEVELOPMENT PROGRAM** on

*Advancements in Structural Engineering*

during 7/10/2019 to 12/10/2019.

KW

PRINCIPAL  
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GUNTUR - 522017

*P. Subas*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 08/09/2019

To

The Principal,

GVR&S College of Engineering & Technology

Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Machine Learning Using Python- Req.

In accordance to subject cited above, I IPH Prasad Head of the Department, CSE, here with this letter requesting you to give a permission to organize 6 days FDP on Machine Learning Using Python request you to provide all the needed facilities. Dates from 10/09/2019 to 15/09/2019.

Thanking you sir,



Yours Sincerely,  
*IPH Prasad*  
IPH Prasad

Head of the Department, CSE

Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 07-SEPT-2019

## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “MACHINE LEARNING USING PYTHON” from 10-SEPT-2019 TO 15-SEPT-2019. The program will be organized by the department of COMPUTER SCIENCE AND ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

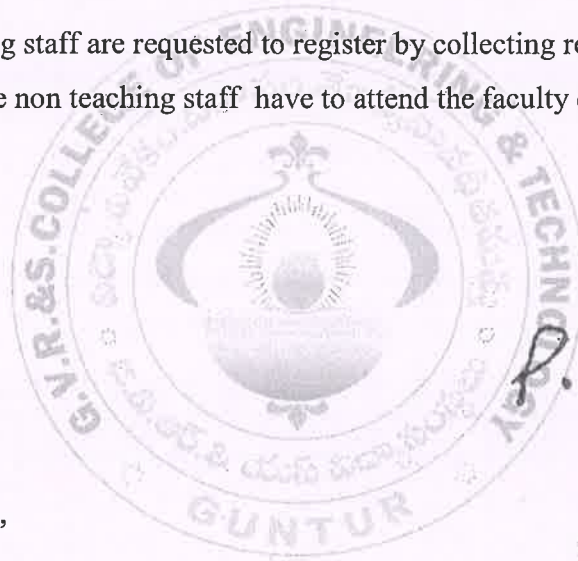
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

KW  
PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

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Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of Computer Science Engineering Minutes of Meeting

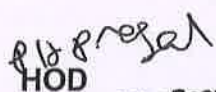
Date: 09-09-2019

A meeting was held on 09-09-2019 in CSE department to discuss the following points:

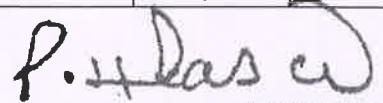
- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **MACHINE LEARNING USING PYTHON** from 10-09-2019 to 15-09-2019.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) A. HANUMANTH PRASAD is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **MACHINE LEARNING USING PYTHON**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 09-09-2019.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	M.AYYAPPA CHAKRAVARTHY	ASST. PROF	
2	B. BENARJI	ASST. PROF	
3	B.NAGAESWARI	ASST. PROF	
4	M.SARADA	ASST. PROF	
5	T.RAJESH	ASST. PROF	
6	PATTAN FIROZE	ASST. PROF	
7	K.RAMESH BABU	ASST. PROF	

  
HOD  
Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
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GUNTUR - 522017

  
PRINCIPAL  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

MACHINE LEARNING USING  
PYTHON

Held From  
10-SEPT-2019 TO 15-SEPT-2019

Organized By  
Dept. of COMPUTER SCIENCE &  
ENGINEERING

NAME:  
Designation:  
Dept:  
Institution:  
Phone/Mobile:  
Email:  
Date

Signature



## ABOUT COLLEGE

GVR&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangireni Venkateswara Rao & Sailaja)-CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in “Fueling the quest for Knowledge”. In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

## ABOUT DEPARTMENT

CSE Department came into inception from 2007 onwards with an intake of 60 seats in B.Tech, and enhanced to 120 seats in the year 2009. In view of the accentuated interest towards CSE and its immensity of growth the Department of Computer Science and Engineering has developed well appointed laboratories where the main focus is on the development of logical reasoning that is stressed upon, in all practical applications.

The department boasts of promoting a unique mode of teaching-learning setting, one that makes an effective utilization of the advanced aids of teaching. The Department imparts world class training and provides state of the art of computing facilities to the students. CSE Department is offering M.Tech (CSE) program from 2012 onwards with an intake of 18 and enhanced to 24 seats in the year 2013.



FACULTY DEVELOPMENT PROGRAM

MACHINE LEARNING  
USING PYTHON

Organized By  
Dept. of COMPUTER SCIENCE &  
ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Etukurru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

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GUNTUR - 522 017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of CSE

### FACULTY DEVELOPMENT PROGRAM

on MACHINE LEARNING USING PYTHON


#### Faculty Feedback

I, M. SARADA Working as an ASST. PROF in the department of CSE have attended the FACULTY DEVELOPMENT PROGRAM on **MACHINE LEARNING USING PYTHON** from 10-09-2019 to 15-09-2019.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication		4			
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of COMPUTER SCIENCE AND ENGINEERING

### FACULTY DEVELOPMENT PROGRAM

### MACHINE LEARNING USING PYTHON

#### ATTENDANCE SHEET

DATE: 10-SEPT-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	VIJAYA NIRMALA MARY	✓	✓	✓	✓	✓	✓
2	ANIL ALLA	✓	✓	✓	✓	✓	✓
3	BHARGAVI BEJAWADA	✓	✓	✓	✓	✓	✓
4	NAVYA BACHINA	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## MACHINE LEARNING USING PYTHON

### REPORT:

The software developers' world is complex, and it is a learning process even for the best developers and programmers. Therefore, getting access to an engaging community where members can discuss and share insights into projects is an advantage. The Python programming language attracts a huge community of developers, which makes it a preferred programming language for machine learning and other projects, such as data analysis, regression, web development, etc.

Python developer exchange forums are active in promoting the growth of the Artificial Intelligence community as a whole. The forums help learners fast track their knowledge on machine learning using Python, hence growing the population of experts.

Many large companies and businesses today are turning to Python because of its efficiency and simplicity. Google uses the programming language for web page crawling, Spotify for song selection, as well as entertainment companies for movie production.

KW  
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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. Alla Anil* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Machine Learning Using Python*

during *10/9/2019* to *15/9/2019*.

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 09/02/2020

To

The Principal,

GVR&S College of Engineering & Technology

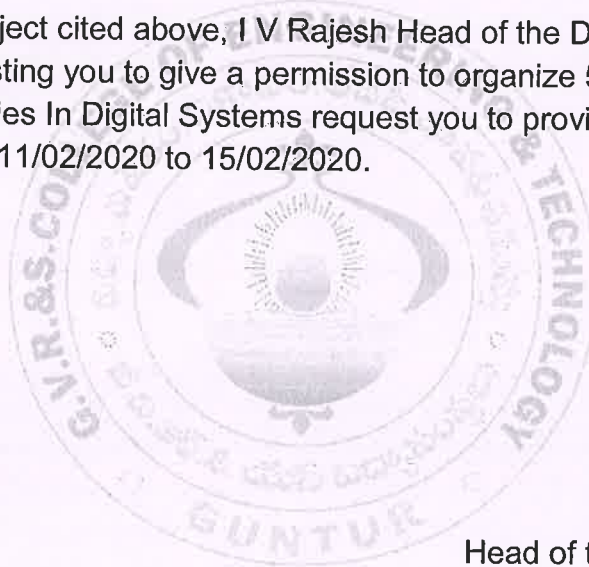
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Emerging Technologies In Digital Systems -  
Req.

In accordance to subject cited above, I V Rajesh Head of the Department, EEE, here with this letter requesting you to give a permission to organize 5 days FDP on Emerging Technologies In Digital Systems request you to provide all the needed facilities. Dates from 11/02/2020 to 15/02/2020.

Thanking you sir,



Yours Sincerely,

*V. Rajesh*  
V Rajesh

Head of the Department, EEE

**Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017.**

*KW*

**PRINCIPAL**

**GVR & S College of Engg. & Tech.  
GUNTUR - 522017**



# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

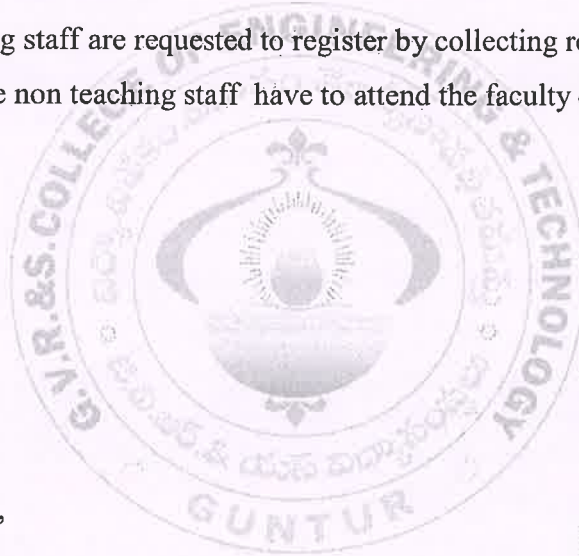
Date: 10-FEB-2020

## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS” from 11-FEB-2020 TO 15-FEB-2020. The program will be organized by the department of ELECTRICAL AND ELECTRONICS ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.



Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.

*P. S. Das*

**PRINCIPAL**

**PRINCIPAL**

**GVR & S College of Engg. & Tech  
GUNTUR - 522017**

*KV*

**PRINCIPAL**

**GVR & S College of Engg. & Tech.  
GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Electrical and Electronic Engineering Minutes of Meeting

Date: 10-02-2020

A meeting was held on 10-02-2020 in EEE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS** from 11-02-2020 to 15-02-2020.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) V. RAJESH is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 10-02-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	S. MAHENDRA	ASST. PROF	
2	J. NAGESWARA RAO	ASST. PROF	
3	M. NARENDRA KUMAR	ASST. PROF	
4	N. SAI PAVAN	ASST. PROF	
5	SK. THANGELLA	ASST. PROF	
6	B. GOPALA KRISHNA NAIK	ASST. PROF	

V. Rajesh  
HOD

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

P. H. Das  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

LH  
PRINCIPAL

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GUNTUR - 522017





# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS

Held From

11-FEB-2020 TO 15-FEB-2020

Organized By

Dept. of ELECTRICAL & ELECTRONICS  
ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R.&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The field of Electrical & Electronics Engineering (EEE) is the place to be in for those who love electrical systems ranging from heavy power generators to the smallest of micro-chips.

The Mission of the department is to train the stakeholders in contemporary knowledge and innovative skills, both functional and integrative in the discipline of Electrical and Electronics Engineering focusing on strong foundation in basic concepts, courses in tune with modern trends, leadership, networking and team building, entrepreneurship, ethics and governance.



FACULTY DEVELOPMENT PROGRAM

## On EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS

Organized By

Dept. of ELECTRICAL & ELECTRONICS  
ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) - 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

## Department of ELECTRONICS AND ELECTRICAL ENGINEERING

### EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS

#### ATTENDANCE SHEET

DATE: 12-JAN-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	SIVA B RAVI	✓	✓	✓	✓	✓	✓
2	PAPISETTI PRASAD VEERA BRAHMAM	✓	✓	✓	✓	✓	✓
3	P YALAMANDA RAO SRINIVASULU	✓	✓	✓	✓	✓	✓
4	NIRMALA JYOTHI JALADI	✓	✓	✓	✓	✓	✓
5	THANGELLA SK SALAM	✓	✓	✓	✓	✓	✓
6	HEMA SRI KASU GANGI REDDY	✓	✓	✓	✓	✓	✓
7	B GOPALA KRISHNA NAIK GOPAL NAIK	✓	✓	✓	✓	✓	✓
8	T ANIL KUMAR NAGA RAJU	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

K. V. S. K. V. S. K.  
HEAD OF THE DEPARTMENT

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

Head of the Department  
ELECTRONICS & ELECTRICAL ENGINEERING

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

Department of EEE

## FACULTY DEVELOPMENT PROGRAM

on EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS

### Faculty Feedback

I, SK. THANGELLA Working as an ASST. PROF in the department of EEE have attended the FACULTY DEVELOPMENT PROGRAM on **EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS** from 11-02-2020 to 15-02-2020.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5	4			
5	Level of interaction	5				
	Overall Rating	5				

Date:

*Thangella*  
Signature of the faculty

*Kh*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## EMERGING TECHNOLOGIES IN DIGITAL SYSTEMS

### REPORT:

Emerging technologies refer to innovative advancements at the forefront of development, such as AI and quantum computing. They hold immense potential to reshape industries and enhance our lives, offering exciting possibilities and transformative impacts on various sectors. They are characterized by their disruptive nature and the transformative impact they can have on various sectors. Emerging technologies encompass a wide range of fields, including but not limited to tech, AI, IoT, virtual reality, automation, and more. These cutting-edge technologies offer new possibilities and use cases that were previously unimaginable. From email communication to robotics in manufacturing, emerging technologies are revolutionizing how we interact with the world.

The rapid pace of development and innovation in emerging technologies can be attributed to several factors. The influence of emerging technologies is further propelled by collaborations and knowledge-sharing across industries. Platforms like LinkedIn facilitate the exchange of ideas and expertise, leading to accelerated innovation. Emerging technologies hold the key to shaping our future. As technological advancements continue to unfold, it is vital for businesses, organizations, and individuals to stay informed about the latest trends and embrace these transformative technologies to thrive in the digital era.

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522617



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. B. Siva has

participated for the FACULTY DEVELOPMENT PROGRAM on

Emerging Technologies in Digital Systems

during 11/02/2020 to 15/02/2020

*KV*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Vasu*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 05/08/2019

To

The Principal,

GVR&S College of Engineering & Technology

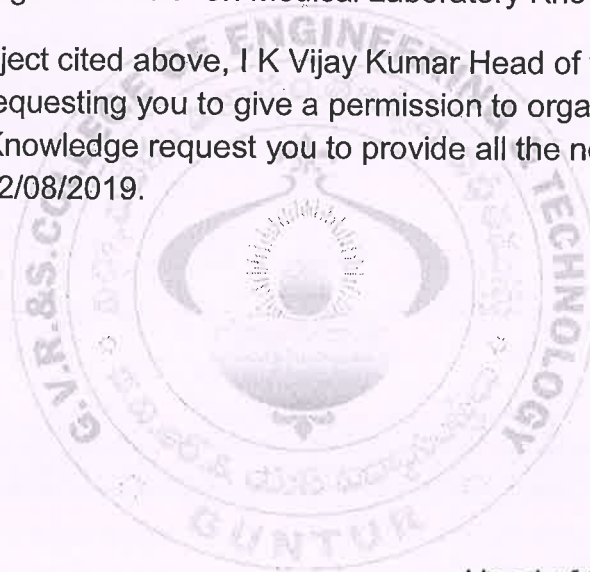
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Medical Laboratory Knowledge - Req.

In accordance to subject cited above, I K Vijay Kumar Head of the Department, ECE, here with this letter requesting you to give a permission to organize 6 days FDP on Medical Laboratory Knowledge request you to provide all the needed facilities. Dates from 07/08/2019 to 12/08/2019.

Thanking you sir,



*K. Vijay Kumar*  
Yours Sincerely,

K Vijay Kumar

Head of the Department, ECE

Head of the Department

Electronics & Communication Engineering

GVR & S College of Engg. & Tech.

GUNTUR - 522017

*KW*

PRINCIPAL

GVR & S College of Engg. & Tech.

GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P., India.

E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 05-AUG-2019

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “MEDICAL LABORATORY KNOWLEDGE” from 07-AUG-2019 TO 12-AUG-2019. The program will be organized by the department of ELECTRONICS AND COMMUNICATION ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

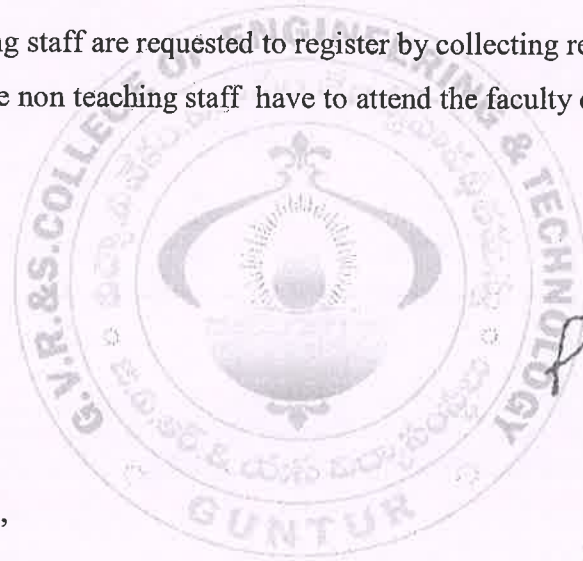
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_s\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Electronics and Communication Engineering

### Minutes of Meeting

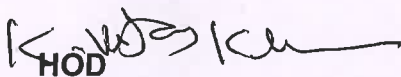
Date: 06-08-2019

A meeting was held on 06-08-2019 in ECE department to discuss the following points:

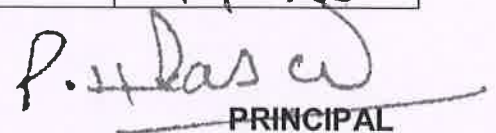
- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **MEDICAL LABORATORY KNOWLEDGE** from 07-08-2019 to 12-08-2019.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) K. VIJAY KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **MEDICAL LABORATORY KNOWLEDGE**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 06-08-2019.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	K.VAMSI KRISHNA	ASST. PROF	K. Vamsi
2	D.PAVANI	ASST. PROF	D. Pavani
3	D.SUJATHA	ASST. PROF	D. Sujatha
4	K.VENU BABU	ASST. PROF	Venu Babu
5	L.SUNITHA	ASST. PROF	L. Sunitha
6	K.RAJASEKHAR	ASST. PROF	K. Rajasekhara
7	CH.ASHOK	ASST. PROF	Ch. Ashok

  
HOD

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On  
**MEDICAL LABORATORY  
KNOWLEDGE**

Held From  
07-AUG-2019 TO 12-AUG-2019

Organized By  
Dept. of ELECTRONICS &  
COMMUNICATION ENGINEERING

NAME:  
Designation:  
Dept:  
Institution:  
Phone/Mobile:  
Email:  
Date

Signature



## ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

## ABOUT DEPARTMENT

The department of ECE in G.V.R&S College of Engineering and Technology best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication which was established in 2007. The department provides with state of the art technological tools incorporated in all the existing laboratories. For the last ten years the students of the ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

The augmentation of the intake of the department from 60 in the year 2007, later the intake was increased to 120 in the year 2009. The introduction of M. Tech program in DECS in the academic year 2012 with intake of 18 seats, later VLSI and Embedded System Design introduced in 2014 with an intake of 18.



FACULTY DEVELOPMENT PROGRAM

On  
**MEDICAL LABORATORY  
KNOWLEDGE**

Organized By  
Dept. of ELECTRONICS &  
COMMUNICATION ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Etkurru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

GVR & S College of Engineering & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of ECE FACULTY DEVELOPMENT PROGRAM on MEDICAL LABORATORY KNOWLEDGE

### Faculty Feedback

I, CH.ASHOK Working as an ASST. PROF in the department of ECE have attended the FACULTY DEVELOPMENT PROGRAM on **MEDICAL LABORATORY KNOWLEDGE** from 07-08-2019 to 12-08-2019.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication		4			
5	Level of interaction	5				
	Overall Rating	5				

Date:

Signature of the faculty

*CHASHOK*  
KW  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvrscet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND COMMUNICATION ENGINEERING

### MEDICAL LABORATORY KNOWLEDGE

### TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

#### ATTENDANCE SHEET

DATE: 07-AUG-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	SAILAJA MULUGUNDLA	✓	✓	✓	✓	✓	✓
2	D SUJATHA KOTAIAH	✓	✓	✓	✓	✓	✓
3	MANI P	✓	✓	✓	✓	✓	✓
4	NARENDRA M B	✓	✓	✓	✓	✓	✓
5	YASASWI GADDE	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
GVR & S College of Engg. & Tech  
GUNTUR - 522017  
PRINCIPAL

  
HEAD OF THE DEPARTMENT

PRINCIPAL  
Head of the Department GVR & S College of Engg. & Tech  
Electronics & Communication Engineering GUNTUR - 522017  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## MEDICAL LABORATORY KNOWLEDGE

### REPORT:

A medical laboratory scientist (MLS), also known as a medical technologist or clinical laboratory scientist, works to analyze a variety of biological specimens. They are responsible for performing scientific testing on samples and reporting results to physicians.

Medical laboratory scientists perform complex tests on patient samples using sophisticated equipment like microscopes. The data they find plays an important role in identifying and treating cancer, heart disease, diabetes, and other medical conditions. It is estimated 60 to 70 percent of all decisions regarding a patient's diagnosis, treatment, hospital admission, and discharge are based on the results of the tests medical laboratory scientists perform.

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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. P. Mani* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Medical Laboratory Knowledge*

during *1/8/2019* to *12/8/2019*.

*KH*

PRINCIPAL  
GVR & S College of Engineering & Tech  
Guntur Dist - 522017

*P. Mani*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: [gvr\\_s\\_cet@yahoo.com](mailto:gvr_s_cet@yahoo.com), website: [www.gvrs.ac.in](http://www.gvrs.ac.in)

Guntur,

Date: 10/12/2019

To

The Principal,

GVR&S College of Engineering & Technology

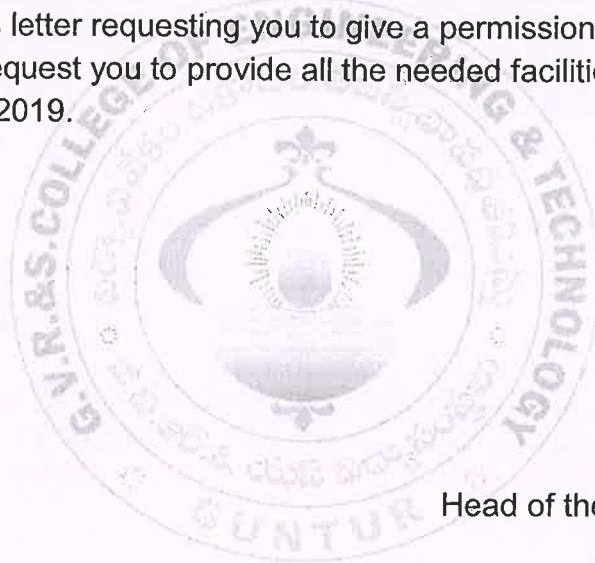
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on CAD/CAM - Req.

In accordance to subject cited above, I G. Anil Kumar Head of the Department, MECH, here with this letter requesting you to give a permission to organize 6 days FDP on CAD/CAM request you to provide all the needed facilities. Dates from 12/12/2019 to 17/12/2019.

Thanking you sir,



Yours Sincerely,

G. Anil Kumar

Head of the Department, MECH

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW

PRINCIPAL  
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GUNTUR - 522017



# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 10-DEC-2019

## **CIRCULAR**

### **FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “CAD/CAM” from 12-DEC-2019 TO 17-DEC-2019. The program will be organized by the department of MECHANICAL ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

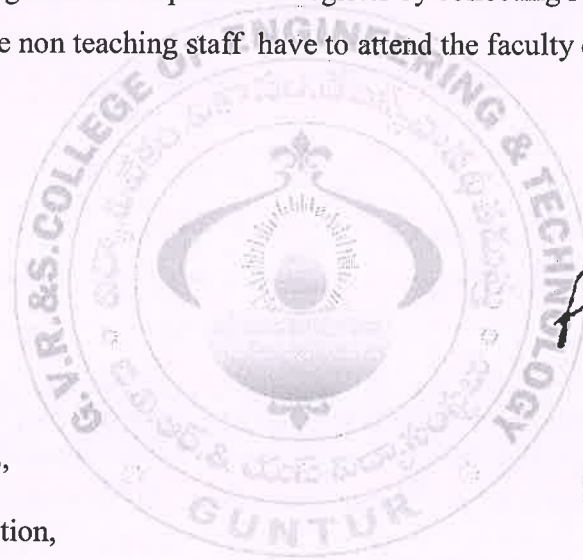
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. H. Das*

**PRINCIPAL**

**PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017**

*KW*

**PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Mechanical Engineering Minutes of Meeting

Date: 11-12-2019

A meeting was held on 11-12-2019 in MECH department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **CAD/CAM** from 12-12-2019 to 17-12-2019.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) G. ANIL KUMAR is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **CAD/CAM**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 11-12-2019.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Sk. KHAJA	ASST. PROF	
2	B. UMA SANKAR	ASST. PROF	
3	B. VEERESH KUMAR	ASST. PROF	
4	N. SAI KUMAR	ASST. PROF	
5	T. RAVINDRA	ASST. PROF	
6	P. RAMAKRISHNA	ASST. PROF	

HOD

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





## REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On  
**CAD/CAM**

Held From

12-DEC-2019 TO 17-DEC-2019

Organized By

Dept. of MECHANIOCAL ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in “Fueling the quest for knowledge”. In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Mechanical Engineering was established in the year 2012 with an intake of 60 students and enhanced to 120 in the year 2014.

This department is another promising twig which plays the most significant role in its wider sense. It believes in developing studiousness among the students by giving a clear understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity.



FACULTY DEVELOPMENT PROGRAM

On  
**CAD/CAM**  
Organized By

Dept. of MECHANIOCAL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh  
522017

PRINCIPAL  
GVR & S College of Eng & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvs\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of MECHANICAL ENGINEERING

CAD/CAM

### ATTENDANCE SHEET

DATE: 12-DEC-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	KATURRU JAYARAJU BABURAO	✓	✓	✓	✓	✓	✓
2	RAMAKRISHNA PULIBANDLA	✓	✓	✓	✓	✓	✓
3	PRASAD PALLE NAGESWARA RAO	✓	✓	✓	✓	✓	✓
4	GADDE ANIL KUMAR BARNABAI	✓	✓	✓	✓	✓	✓
5	S SHANMUGAM N	✓	✓	✓	✓	✓	✓



PROGRAMME COORDINATOR



PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



HEAD OF THE DEPARTMENT

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



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Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of MECH FACULTY DEVELOPMENT PROGRAM

on CAD/CAM

### Faculty Feedback

I, P. RAMAKRISHNA Working as an ASST. PROF in the department of MECH have attended the FACULTY DEVELOPMENT PROGRAM on CAD/CAM from 12-12-2019 to 17-12-2019.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	4				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	4				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

KW

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## CAD/CAM

### REPORT:

Modeling with CAD systems offers a number of advantages over traditional drafting methods that use rulers, squares, and compasses. For example, designs can be altered without erasing and redrawing. CAD systems also offer "zoom" features analogous to a camera lens, whereby a designer can magnify certain elements of a model to facilitate inspection. Computer models are typically three dimensional and can be rotated on any axis, much as one could rotate an actual three dimensional model in one's hand, enabling the designer to gain a fuller sense of the object. CAD systems also lend themselves to modeling cutaway drawings, in which the internal shape of a part is revealed, and to illustrating the spatial relationships among a system of parts.

To understand CAD it is also useful to understand what CAD cannot do. CAD systems have no means of comprehending real-world concepts, such as the nature of the object being designed or the function that object will serve. CAD systems function by their capacity to codify geometrical concepts. Thus the design process using CAD involves transferring a designer's idea into a formal geometrical model. Efforts to develop computer-based "artificial intelligence" (AI) have not yet succeeded in penetrating beyond the mechanical—represented by geometrical (rule-based) modeling.

KW  
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GVR & S College of Engg. & Tech  
GUNTUR - 522017



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Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. G. Anil Kumar* has  
participated for the *FACULTY DEVELOPMENT PROGRAM* on

*CAD/CAM*

during *12/12/2019* to *17/12/2019*.

*KS*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Das*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 08/03/2020

To

The Principal,

GVR&S College of Engineering & Technology

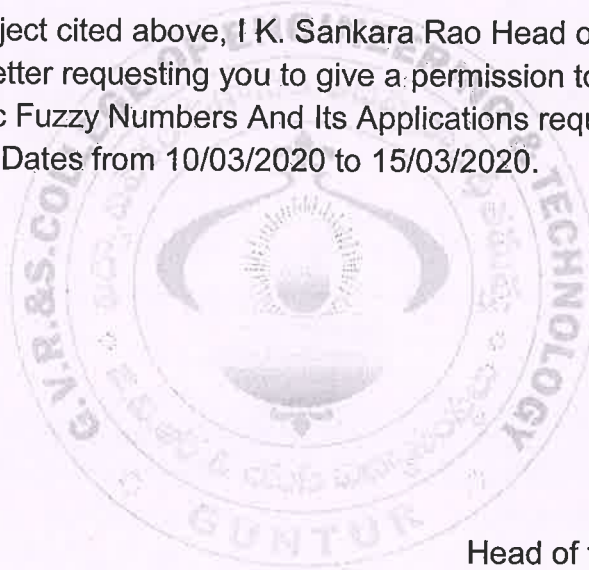
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Neutrosophic Fuzzy Numbers And Its Applications- Req.

In accordance to subject cited above, I K. Sankara Rao Head of the Department, S&H, here with this letter requesting you to give a permission to organize 6 days FDP on Neutrosophic Fuzzy Numbers And Its Applications request you to provide all the needed facilities. Dates from 10/03/2020 to 15/03/2020.

Thanking you sir,



Yours Sincerely,

K. Sankara Rao

Head of the Department, S&H

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrs.ac.in

Date: 08-MAR-2020

## **CIRCULAR FACULTY DEVELOPMENT PROGRAM**

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS” from 10-MAR-2020 TO 15-MAR-2020. The program will be organized by the department of BASIC SCIENCE AND HUMANITIES in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

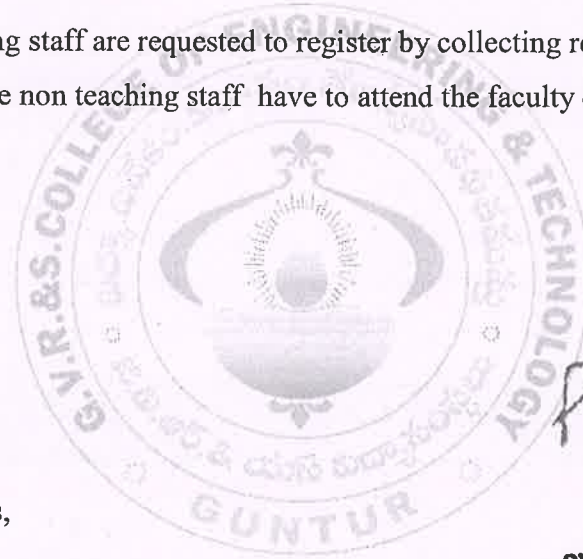
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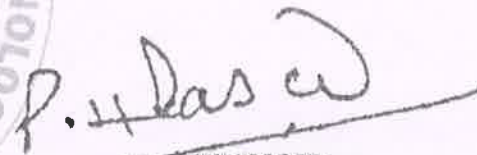
The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engineering & Technology,  
Budampadu, Guntur-522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### Minutes of Meeting

Date: 08-MAR-2020

A meeting was held on 08-MAR-2020 in BASIC SCIENCE & HUMANITIES department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS** from 10-MAR-2020 TO 15-MAR-2020.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) Dr B R SRINIVAS is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 08-MAR-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Dr. B.Tilak	Professor	
2	S.Sireesha	Associate Professor	
3	M.Kiran Kumar	Associate Professor	
4	B.Aparna	Assistant Professor	
5	P.Veera Kumari	Assistant Professor	
6	M.A.S.Deepika	Assistant Professor	

**HOD**

Head of the Department

BASIC SCIENCE & HUMANITIES

GVR & S College of Engg. & Tech.

GUNTUR - 522017

**PRINCIPAL**

**PRINCIPAL**

GVR & S College of Engineering & Technology,  
Budampadu, Guntur-522017

**PRINCIPAL**

GVR & S College of Engg. & Tech.  
GUNTUR - 522017





# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS

Held From

10-MAR-2020 TO 15-MAR-2020

Organized By

Dept. of BASIC SCIENCE & HUMANITIES

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The department of Science and Humanities at GVR&S-CET offers the bridge courses in English, Mathematics, Physics, Chemistry, Managerial Economics & Financial Analysis and Environmental science that help the engineering freshmen get attuned to the specialized engineering domains.

In addition, the department coordinates a smoother transition of our novice engineering aspirants from the academic setting they experienced at 10 + 2 level to the study ambience they will encounter in their undergraduate Engineering and Technology course.

As an ancillary department that supports the conduct of specialized courses, offered in its domain, as a part of the curricula of other main branches of engineering the department acquires a multi-disciplinary nature and so the faculty belongs to different disciplines namely, English, Mathematics, Physics, Chemistry, Managements Studies and Environmental Sciences.

The department shields the responsibility of the consolidation of attendance and the seasonal marks of the first years and the maintenance of the Parent-Institution communications for the welfare of the students. The faculty has addressed itself to the need to orient the students towards the ultimate goal of relating their knowledge to the reality of life situations.



FACULTY DEVELOPMENT PROGRAM

## On NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS

Organized By

Dept. of BASIC SCIENCE & HUMANITIES



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru

Road, beside National Highway 16, opposite

to NSL Textiles, Guntur, Andhra Pradesh

522017

PRINCIPAL  
GVR & S College of Engg. & Tech  
22017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_ect@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES

### NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS

#### ATTENDANCE SHEET

DATE: 10-MAR-2020

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	LALITHA B GURUNADHARAO	✓	✓	✓	✓	✓	✓
2	ACHYUTHA NAGAMANI VEERASWAMY	✓	✓	✓	✓	✓	✓
3	SAI BABA K -	✓	✓	✓	✓	✓	✓
4	USHA DEVI G -	✓	✓	✓	✓	✓	✓
5	P SRINIVASA RAO SUDHAKAR	✓	✓	✓	✓	✓	✓
6	G JOHN PAUL PAUL	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

Head of the Department  
BASIC SCIENCE & HUMANITIES  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvr\_cet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of BASIC SCIENCE & HUMANITIES

### FACULTY DEVELOPMENT PROGRAM

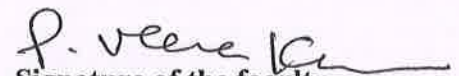
on MACHINE LEARNING USING PYTHON

#### Faculty Feedback

1. P.Veera Kumari Working as an ASST. PROF in the department of BASIC SCIENCE & HUMANITIES have attended the FACULTY DEVELOPMENT PROGRAM on **NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS** from 10-MAR-2020 TO 15-MAR-2020.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## NEUTROSOPHIC FUZZY NUMBERS AND ITS APPLICATIONS

### REPORT:

Fuzzy set (FS) is used to tackle the uncertainty using the membership grade, whereas neutrosophic set (NS) is used to tackle uncertainty using the truth, indeterminacy and falsity membership grades which are considered as independent. In this paper, we introduce the notion of neutrosophic fuzzy set (NFS) by combining FS with NS, which gives rise to some new concepts. Since NFS finds some difficulties to deal with some real life problems due to the nonstandard interval of neutrosophic components, we introduce single valued NFS (SVNFS) which is considered as an instance of NFS. Some set theoretic operations of SVNFS are proposed and their properties are derived. We also propose the distance measures between two SVNFSs. Then a decision making approach is presented using similarity measures based on distance measures.



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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 04-SEPT-2018

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “HR MANAGEMENT” from 07-SEPT-2018 TO 11-SEPT-2018. The program will be organized by the department of MASTER OF BUISINESS AND ADMINISTRATION in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

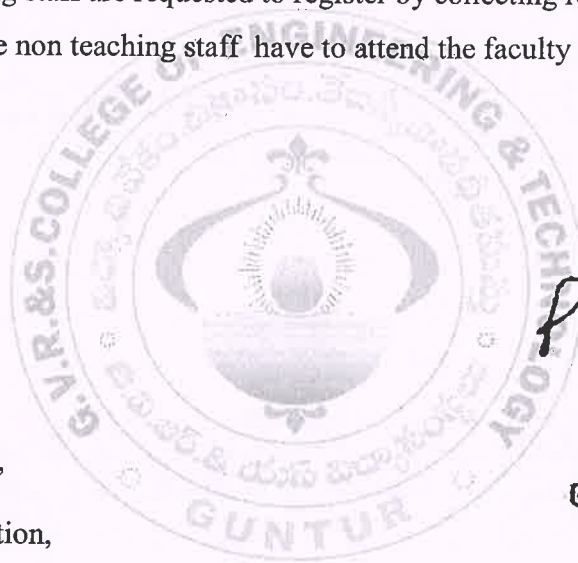
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. H. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 05/09/2018

To

The Principal,

GVR&S College of Engineering & Technology

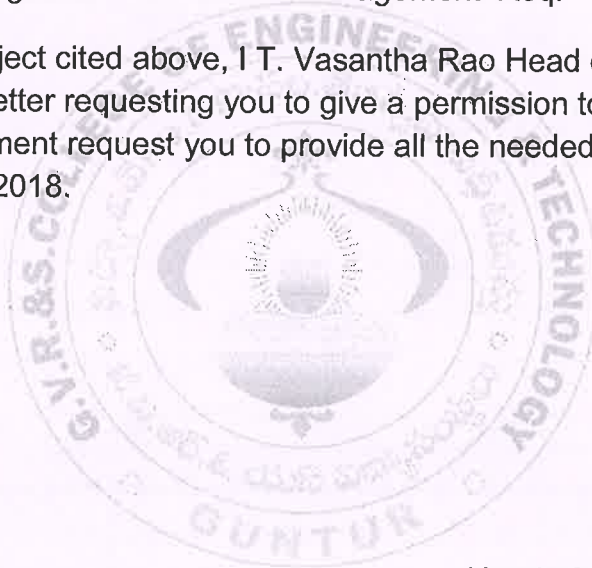
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on HR Management- Req.

In accordance to subject cited above, I T. Vasantha Rao Head of the Department, MBA, here with this letter requesting you to give a permission to organize 5 days FDP on HR Management request you to provide all the needed facilities. Dates from 07/09/2018 to 11/09/2018.

Thanking you sir,



Yours Sincerely,

T. Vasantha Rao

Head of the Department, MBA

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW  
PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MASTER OF BUSINESS ADMINISTRATION

### Minutes of Meeting

Date: 05-SEPT-2020

A meeting was held on 05-SEPT-2020 in MASTER OF BUSINESS ADMINISTRATION department to discuss the following points:

1. Conduction of FACULTY DEVELOPMENT PROGRAM on **HR MANAGEMENT** from 07-SEPT-2020 TO 11-SEPT-2020.
2. Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
3. T.Vasantha Rao is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **HR MANAGEMENT**, instructed to prepare the design and development of curriculum for Faculty Development Program by 05-SEPT-2020.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1	Dr.R.Murugesan	Professor	
2	M. AreshBabu	Associate Professor	
3	Y.MahendraBabu	Associate Professor	
4	V.PrasanthBabu	Associate Professor	
5	P.S.S.LakshmiKavya	Assistant Professor	
6	Sk.Reshma	Assistant Professor	
7	NVV Satyanarayana	Assistant Professor	

HOD

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

## FACULTY DEVELOPMENT PROGRAM

On  
**HR MANAGEMENT**

Held From

07-SEPT-2020 TO 11-SEPT-2020

Organized By

Dept. of MBA

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangireni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangireni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTMENT

The Department of Business Administration was established in the year 2009 with an intake 60 seats and enhanced to 120 in the year 2014. The Master of Business Administration (MBA) program is designed to meet the challenge of full-filling the needs of the society under resource constraints by providing new dimensions in the body of knowledge needed for managerial development. Environmental, social, ecological, and economic forces are affecting every sector of business enterprise and every area of business, governmental and industrial administration. The MBA program will prepare students for assuming responsibility of management in their career path in business and other organizations. The program also prepares students having career interest in teaching or research and also for higher studies. The core strength of the MBA Program is the extensive coverage in the field of specialization along with exposure to a wide array of quantitative and qualitative analytical tools.



## FACULTY DEVELOPMENT PROGRAM

On  
**HR MANAGEMENT**

Organized By

Dept. of MBA



**GVR&S College of Engineering & Technology**

Near Budampadu Erukuru, Ponnuru

Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh

522017

PRINCIPAL  
GVR & S College of Engineering & Technology  
Guntur - 522017





# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)  
Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.  
E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of SCIENCE AND HUMANITIES

### HR MANAGEMENT

#### ATTENDANCE SHEET

DATE: 07-SEPT-2017

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	P.SARITHA	✓	✓	✓	✓	✓	✓
2	M.ANUSHA	✓	✓	✓	✓	✓	✓
3	K.SUDHEER	✓	✓	✓	✓	✓	✓
4	Y MAHENDRA BABU	✓	✓	✓	✓	✓	✓
5	P.S.S.LAKSHMI KAVYA	✓	✓	✓	✓	✓	✓
6	S.DEEPTHI	✓	✓	✓	✓	✓	✓
7	R. GOPALA KRISHNA	✓	✓	✓	✓	✓	✓
8	T.RAMESH	✓	✓	✓	✓	✓	✓
9	G.VENKATA NARAYANA	✓	✓	✓	✓	✓	✓

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT

Head of the Department  
MASTER OF BUSINESS ADMINISTRATION  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of MASTER OF BUSINESS ADMINISTRATION

### FACULTY DEVELOPMENT PROGRAM

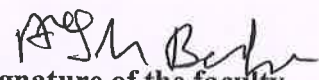
#### on HR MANAGEMENT

#### Faculty Feedback

M. Aresh Babu Working as an ASSOC. PROF in the department of MASTER OF BUSINESS ADMINISTRATION have attended the Faculty Development Program on HR MANAGEMENT from 07-SEPT-2020 TO 11-SEPT-2020.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic		4			
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## HR MANAGEMENT

### REPORT:

While human resource management is important to all businesses, the stakes may be higher for smaller organizations. For example, one incompetent employee in an office of 10 people can be much more detrimental than one in a workforce numbering in the thousands. To improve their people processes, small business owners generally can:

1. Assess current operations to determine if new hires are needed or if existing employees and production methods can be utilized more effectively.
2. Take an active role in the recruitment process and write job descriptions that match prospective talent to business needs.
3. Create an employee handbook or an official document that clearly outlines company policies.
4. Provide continuing education opportunities as needed by the particular industry.
5. Maintain a work environment where employees are treated fairly and can be productive.

KW

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. P. Saritha* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*HR Management*

during *7/9/2018* to *11/9/2018*.

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Das*

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 15/03/2019

To

The Principal,

GVR&S College of Engineering & Technology

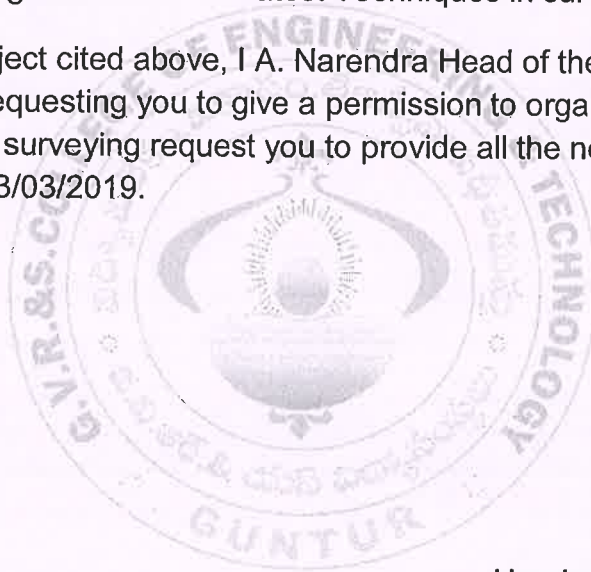
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Latest Techniques in surveying- Req.

In accordance to subject cited above, I A. Narendra Head of the Department, CE, here with this letter requesting you to give a permission to organize 6 days FDP on Latest Techniques in surveying request you to provide all the needed facilities. Dates from 17/03/2019 to 23/03/2019.

Thanking you sir,



Yours Sincerely,

*A. Narendra*

A. Narendra

Head of the Department, CE

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

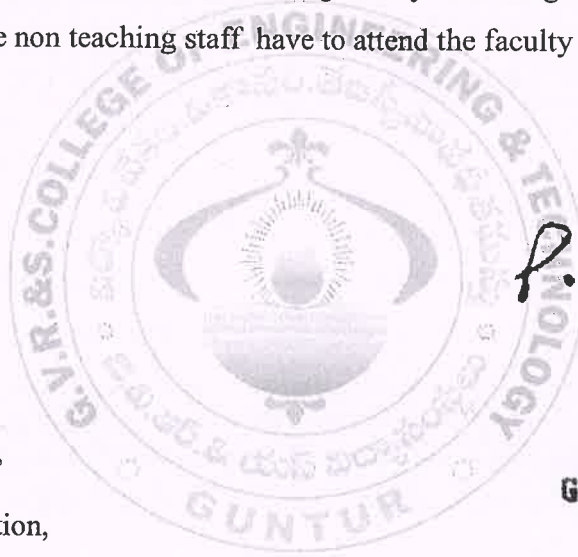
E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 14-MAR-2019

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “LATEST TECHNIQUES IN SURVEYING” from 17-MAR-2019 TO 23-MAR-2019. The program will be organized by CIVIL department in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.



*P. Das*

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.

*K.L.L.*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of Civil Engineering Minutes of Meeting

Date: 16-03-2019

A meeting was held on : 16-03-2019 in CE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **LATEST TECHNIQUES IN SURVEYING** from 17-03-2019 to 23-03-2019.
- 2) Coordinator of above program has to collect the information of interested students and inform them about FACULTY DEVELOPMENT PROGRAM.
- 3) Ch. Priyanka is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **LATEST TECHNIQUES IN SURVEYING**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by : 16-03-2019.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	M. Rajesh Kumar	ASSOC. PROF	Rajesh
2.	G. Abdul Khader	ASST. PROF	Abdul
3.	P. Vinay Kumar	ASST. PROF	Vinay
4.	M. Nagaramu	ASST. PROF	Nagaramu
5.	B. Anil Kumar	ASST. PROF	Anil
6.	R. Sai Ganesh	ASST. PROF	Sai Ganesh

A. Nares  
HOD

Head of the Department  
CIVIL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

P. Das  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On LATEST TECHNIQUES IN SURVEYING

Held From  
17-MAR-2019 TO 23-MAR-2019  
Organized By

Dept. of CIVIL ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Mechanical Engineering was established in the year 2012 with an intake of 60 students and enhanced to 120 in the year 2014.

This department is another promising twig which plays the most significant role in its wider sense. It believes in developing studiousness among the students by giving a clear understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity



FACULTY DEVELOPMENT PROGRAM

## On LATEST TECHNIQUES IN SURVEYING Organized By

Dept. of CIVIL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh  
522017

NSL

PRINCIPAL  
GVR & S College of Engineering & Technology  
GUNTUR - 522017





# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvs\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of CIVIL ENGINEERING

### LATEST TECHNIQUES IN SURVEYING

#### ATTENDANCE SHEET

DATE: 17-MAR-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	P.Vinay Kumar	✓	✓	✓	✓	✓	✓
2	D.Jayakrishna	✓	✓	✓	✓	✓	✓
3	V.V.Sandeep	✓	✓	✓	✓	✓	✓
4	G.Abdul Khader	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

*kw*

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*A nareel*

HEAD OF THE DEPARTMENT

Head of the Department  
CIVIL ENGINEERING

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of CE

### FACULTY DEVELOPMENT PROGRAM

On LATEST TECHNIQUES IN SURVEYING

#### Faculty Feedback

I, M.Nagaramu Working as an ASST. PROF in the department of CE have attended the FACULTY DEVELOPMENT PROGRAM on LATEST TECHNIQUES IN SURVEYING from 17-03-2019 to 23-03-2019.

SNO	Course Program	Excellent(5)	Very Good(4)	Good(3)	Satisfactory(2)	Poor(1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication		4			
5	Level of interaction	5				
	Overall Rating	5				

Date:

M. Neelam  
Signature of the faculty

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GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## LATEST TECHNIQUES IN SURVEYING

### REPORT:

In the past it was difficult to accurately measure very long distances, but it was possible to accurately measure the angles between points many kilometres apart, limited only by being able to see the distant beacon. This could be anywhere from a few kilometres, to 50 kilometres or more.

Triangulation is a surveying method that measures the angles in a triangle formed by three survey control points. Using trigonometry and the measured length of just one side, the other distances in the triangle are calculated. The shape of the triangles is important as there is a lot of inaccuracy in a long skinny triangle, but one with base angles of about 45 degrees is ideal.

Each of the calculated distances is then used as one side in another triangle to calculate the distances to another point, which in turn can start another triangle. This is done as often as necessary to form a chain of triangles connecting the origin point to the Survey Control in the place needed. The angles and distances are then used with the initial known position, and complex formulae, to calculate the position (Latitude and Longitude) of all other points in the triangulation network.

Although the calculations used are similar to the trigonometry taught in high school, because the distance between the survey points is generally long (typically about 30 kilometres) the calculations also allow for the curvature of the Earth.

The measured distance in the first triangle is known as the 'Baseline' and is the only distance measured; all the rest are calculated from it and the measured angles. Prior to the 1950s, this initial baseline distance would have to be very carefully measured with successive lengths of rods whose length were accurately known. This meant that the distance would be relatively short (maybe a kilometre or so) and it would be in a reasonably flat area, such as a valley or plain. The triangles measured from it gradually increased in size, and up onto the hilltops where distant points could be seen easily.

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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. P. Uinay Kumard has  
participated for the **FACULTY DEVELOPMENT PROGRAM** on

Latest Techniques in Surveying

during 17/03/2019 to 23/03/2019.

  
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PRINCIPAL

PRINCIPAL  
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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 03/08/2018

To

The Principal,

GVR&S College of Engineering & Technology

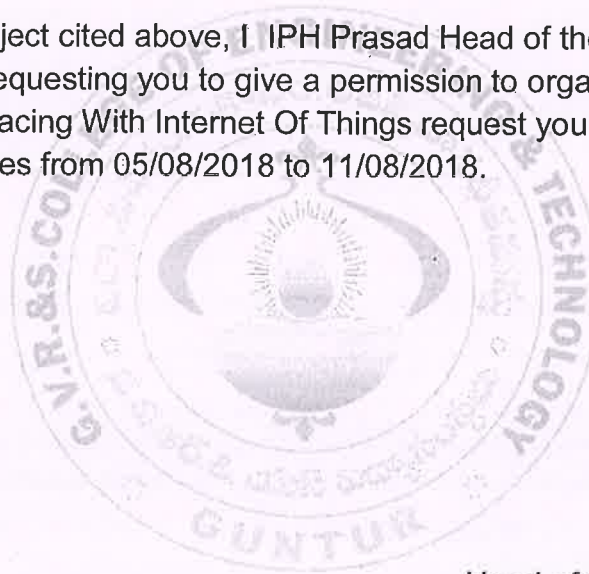
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Latest Sensors Interfacing With Internet Of Things- Req.

In accordance to subject cited above, I IPH Prasad Head of the Department, CSE, here with this letter requesting you to give a permission to organize 6 days FDP on Latest Sensors Interfacing With Internet Of Things request you to provide all the needed facilities. Dates from 05/08/2018 to 11/08/2018.

Thanking you sir,



Yours Sincerely,  
*IPH Prasad*  
IPH Prasad

Head of the Department, CSE  
Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvr.ac.in

Date: 3-AUG-2018

## CIRCULAR FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “LATEST SENSORS INTERFACING WITH INTERNET OF THINGS” from 5-AUG-2018 TO 11-AUG-2018. The program will be organized by the department of COMPUTER SCIENCE AND ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

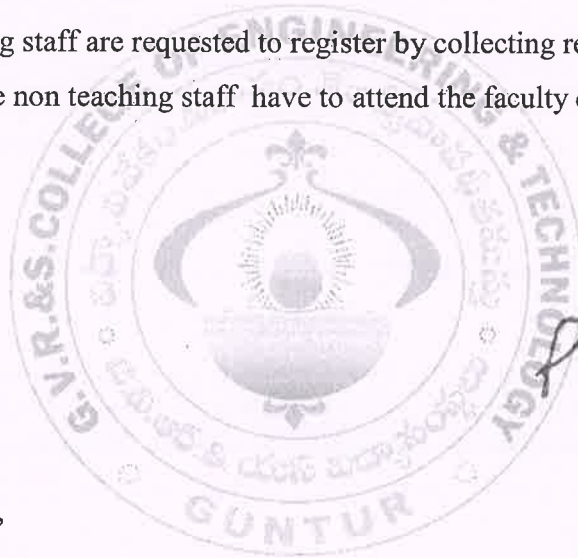
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. H. Das*

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
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GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Computer Science Engineering Minutes of Meeting

Date: 04-08-2018

A meeting was held on 04-08-2018 in CSE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **LATEST SENSORS INTERFACING WITH INTERNET OF THINGS** from 05-08-2018 to 11-08-2018.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) A. HANUMANTH PRASAD is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **LATEST SENSORS INTERFACING WITH INTERNET OF THINGS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 04-08-2018.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	M.AYYAPPA CHAKRAVARTHY	ASST. PROF	
2.	B. BENARJI	ASST. PROF	
3.	B.NAGAESWARI	ASST. PROF	
4.	K. MADHAVI	ASST. PROF	
5.	T.RAJESH	ASST. PROF	
6.	PATTAN FIROZE	ASST. PROF	
7.	K.RAMESH BABU	ASST. PROF	

HOD  
Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
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GUNTUR - 522017

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# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

On

## LATEST SENSORS INTERFACING WITH INTERNET OF THINGS

Held From

5-AUG-2018 TO 11-AUG-2018

Organized By

Dept. of COMPUTER SCIENCE &  
ENGINEERING

NAME:

Designation:

Deptt:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S(Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

CSE Department came into inception from 2007 onwards with an intake of 60 seats in B.Tech. and enhanced to 120 seats in the year 2009. In view of the accentuated interest towards CSE and its immensity of growth the Department of Computer Science and Engineering has developed well appointed laboratories where the main focus is on the development of logical reasoning that is stressed upon, in all practical applications. The department boasts of promoting a unique mode of teaching-learning settings, one that makes an effective utilization of the advanced aids of teaching. The Department imparts world class training and provides state of the art of computing facilities to the students. CSE Department is offering M.Tech (CSE) program from 2012 onwards with an intake of 18 and enhanced to 24 seats in the year 2013.



FACULTY DEVELOPMENT PROGRAM

On

## LATEST SENSORS INTERFACING WITH INTERNET OF THINGS

Organized By

Dept. of COMPUTER SCIENCE &  
ENGINEERING



GVR&S College of Engineering &

Technology

Near Budampadu Etkurru, Ponnuru

Road, beside National Highway 16, opposite to

NSL Textiles, Guntur, Andhra Pradesh 522017

**GVR & S College of Engg. & Tech**  
**GUNTUR - 522017**





# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of CSE

### FACULTY DEVELOPMENT PROGRAM

On LATEST SENSORS INTERFACING WITH INTERNET OF THINGS

#### Faculty Feedback

I, B. BENARJ Working as an ASST. PROF in the department of CSE have attended the FACULTY DEVELOPMENT PROGRAM on LATEST SENSORS INTERFACING WITH INTERNET OF THINGS from 05-08-2018 to 11-08-2018.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction		4			
	Overall Rating	4				

Date:

B. Benarj :  
Signature of the faculty

KW  
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# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of COMPUTER SCIENCE AND ENGINEERING FACULTY DEVELOPMENT PROGRAM

### LATEST SENSORS INTERFACING WITH INTERNET OF THINGS

#### ATTENDANCE SHEET

DATE: 05-AUG-2018

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	G.RAMANAIAH	✓	✓	✓	✓	✓	✓
2	A. HANUMANTH PRASAD	✓	✓	✓	✓	✓	✓
3	M.AYYAPPA CHAKRAVARTHY	✓	✓	✓	✓	✓	✓
4	B. BENARJI	✓	✓	✓	✓	✓	✓
5	Dr. B.V BABU	✓	✓	✓	✓	✓	✓
6	B.NAGAESWARI	✓	✓	✓	✓	✓	✓
7	T.HEMA BHARAT	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
COMPUTER SCIENCE & ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

## LATEST SENSORS INTERFACING WITH INTERNET OF THINGS

### REPORT:

In the recent era of the Internet of Things, the dominant role of sensors and the Internet provides a solution to a wide variety of real-life problems. Such applications include smart city, smart healthcare systems, smart building, smart transport and smart environment. However, the real-time IoT sensor data include several challenges, such as a deluge of unclean sensor data and a high resource-consumption cost. As such, this paper addresses how to process IoT sensor data, fusion with other data sources, and analyses to produce knowledgeable insight into hidden data patterns for rapid decision-making. This paper addresses the data processing techniques such as data denoising, data outlier detection, missing data imputation and data aggregation. Further, it elaborates on the necessity of data fusion and various data fusion methods such as direct fusion, associated feature extraction, and identity declaration data fusion. This paper also aims to address data analysis integration with emerging technologies, such as cloud computing, fog computing and edge computing, towards various challenges in IoT sensor network and sensor data analysis. In summary, this paper is the first of its kind to present a complete overview of IoT sensor data processing, fusion and analysis techniques.

  
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# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. B. Benarji* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Latest Sensors Interfacing with Internet of Things.*

during 5/8/2018 to 11/8/2018.

KW

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Das*

PRINCIPAL

PRINCIPAL

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GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 10/01/2019

To

The Principal,

GVR&S College of Engineering & Technology

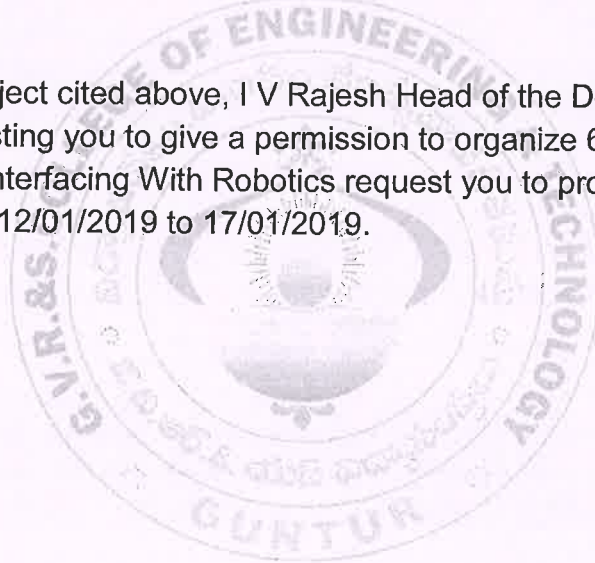
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Embedded System Interfacing With Robotics-  
Req.

In accordance to subject cited above, I V Rajesh Head of the Department, EEE, here with this letter requesting you to give a permission to organize 6 days FDP on Embedded System Interfacing With Robotics request you to provide all the needed facilities. Dates from 12/01/2019 to 17/01/2019.

Thanking you sir,



Yours Sincerely,

*V. Rajesh*  
V Rajesh

Head of the Department, EEE

**Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVA & S College of Engg. & Tech.  
GUNTUR - 522017**

*KW*  
**PRINCIPAL  
GVA & S College of Engg. & Tech  
GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P., India.

E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 09-JAN-2019

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “EMBEDDED SYSTEM INTERFACING WITH ROBOTICS” from 12-JAN-2019 TO 17-JAN-2019. The program will be organized by the department of ELECTRICAL AND ELECTRONICS ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

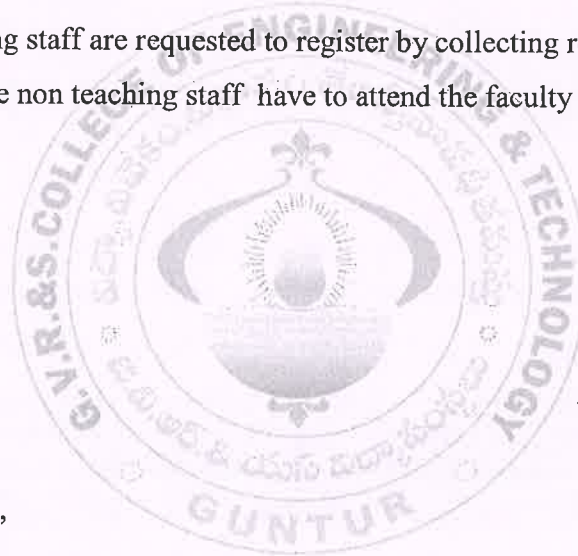
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. Das*  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Electrical and Electronic Engineering Minutes of Meeting

Date: 11-01-2019

A meeting was held on : 11-01-2019 in EEE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **EMBEDDED SYSTEM INTERFACING WITH ROBOTICS** from 12-01-2019 to 17-01-2019.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) V. RAJESH is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **EMBEDDED SYSTEM INTERFACING WITH ROBOTICS**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by : 11-01-2019.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	B.Siva Nagaraju	ASST. PROF	Siva Nagaraju
2.	Sk.Thangella	ASST. PROF	Thangella
3.	B.Gopala Krishna Naik	ASST. PROF	Gopala Naik
4.	H.Pavan Kumar	ASST. PROF	Pavan Kumar
5.	K.Mahesh	ASST. PROF	Mahesh
6.	J.Vimala Kumari	ASST. PROF	Vimala
7.	K.Hemasri	ASST. PROF	Hemasri

V. Rajesh  
HOD

Head of the Department  
ELECTRICAL & ELECTRONICS ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

P. Das  
PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

KW

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On EMBEDDED SYSTEM INTERFACING WITH ROBOTICS

Held From  
12-JAN-2019 TO 17-JAN-2019  
Organized By

Dept. of ELECTRICAL & ELECTRONIC  
ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The field of Electrical & Electronics Engineering (EEE) is the place to be in for those who love electrical systems ranging from heavy power generators to the smallest of micro-chips.

The Mission of the department is to train the stakeholders in contemporary knowledge and innovative skills, both functional and integrative in the discipline of Electrical and Electronics Engineering focusing on strong foundation in basic concepts, courses in tune with modern trends, leadership, networking and team building, entrepreneurship, ethics and governance



FACULTY DEVELOPMENT PROGRAM

## On EMBEDDED SYSTEM INTERFACING WITH ROBOTICS

Organized By  
Dept. of ELECTRICAL & ELECTRONIC  
ENGINEERING



GVR&S College of Engineering &  
Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite to  
NSL Textiles, Guntur, Andhra Pradesh 522017

Handwritten signature

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017





# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) - 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND ELECTRICAL ENGINEERING

### EMBEDDED SYSTEM INTERFACING WITH ROBOTICS

#### ATTENDANCE SHEET

DATE: 12-JAN-2019

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	Sk. Thangella	✓	✓	✓	✓	✓	✓
2	B.Gopala Krishna Naik	✓	✓	✓	✓	✓	✓
3	M.Narendra Kumar	✓	✓	✓	✓	✓	✓
4	H.Pavan Kumar	✓	✓	✓	✓	✓	✓
5	J.Vimala Kumari	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

**PRINCIPAL**  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

Head of the Department  
**ELECTRONICAL & ELECTRICAL ENGINEERING**  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

HEAD OF THE DEPARTMENT



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of EEE

### FACULTY DEVELOPMENT PROGRAM

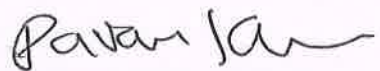
On EMBEDDED SYSTEM INTERFACING WITH ROBOTICS


#### Faculty Feedback

I, H. Pavan Kumar Working as an ASST. PROF in the department of EEE have attended the FACULTY DEVELOPMENT PROGRAM on EMBEDDED SYSTEM INTERFACING WITH ROBOTICS from 12-01-2019 to 17-01-2019.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content		4			
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

  
Signature of the faculty

  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

## **EMBEDDED SYSTEM INTERFACING WITH ROBOTICS**

### **REPORT:**

Robotics is guided by embedded systems. An average robot consists of three parts. The first is a type of mechanical design designed to interact with its environment in a way that serves its goal. The second component is a set of sensors to gather information from the environment. The third is an embedded system to send data from the sensors to the mechanical device. It ensures that the robot can interact with it well. The operation of almost every robot depends a lot on embedded systems.

Microprocessors and microcontrollers are programmable, multipurpose devices that take digital data as input. They process it by rules set in their memory. Aside from that, it outputs results. Conventional microprocessors are also used in more complicated systems. But modern embedded systems rely on microcontrollers for evaluation. The main distinction between a microprocessor and a microcontroller is that the former lacks memory. It lacks peripheral interface circuits, and other components, necessitating their external connection. In contrast, the microcontroller is a single chip that contains the CPU, memory (RAM, ROM), input/output ports, and timers. A microcontroller uses less energy and is smaller, cheaper, and less expensive than a microprocessor. An embedded course will help you learn more about its applications and uses.

  
**PRINCIPAL**  
**GVR & S College of Engg. & Tech.**  
**GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

*This is to certify that Dr./Mr./Ms. J. Nirmala Jyothi has*  
*participated for the FACULTY DEVELOPMENT PROGRAM on*

Embedded Systems

during 05/10/2021 to 11/10/2021.

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

P. Jyothi

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 30/11/2018

To

The Principal,

GVR&S College of Engineering & Technology


Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize - FDP on Transmission Technologies Using Advanced Signal Processing- Req.

In accordance to subject cited above, I K Vijay Kumar Head of the Department, ECE, here with this letter requesting you to give a permission to organize 6 days FDP on Transmission Technologies Using Advanced Signal Processing request you to provide all the needed facilities. Dates from 02/12/2018 to 07/12/2018.

Thanking you sir,

  
Yours Sincerely,

K Vijay Kumar  
Head of the Department, ECE

Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrs\_cet@yahoo.com, website: www.gvrs.ac.in

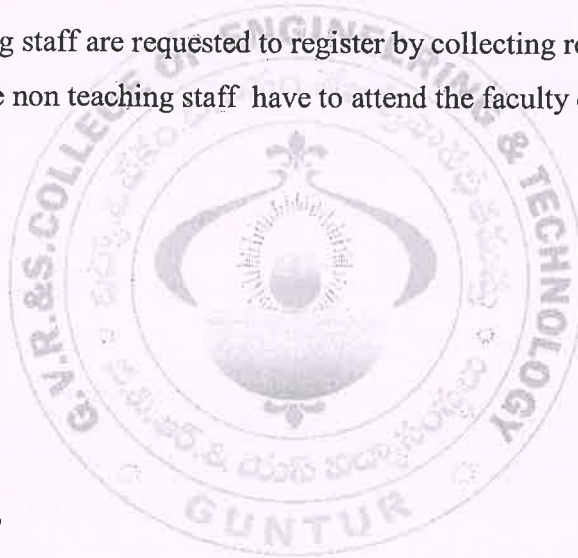
Date: 01-DEC-2018

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING” from 02-DEC-2018 TO 07-DEC-2018. The program will be organized by the department of ELECTRONICS AND COMMUNICATION ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.



*P. H. Das*

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
GUNTUR - 522017

Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.

*KW*

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrs\_cet@yahoo.com, Website : www.gvrand.com EAPCET CODE : GVRS

## Department of Electronics and Communication Engineering Minutes of Meeting

Date: 01-12-2018

A meeting was held on : 01-12-2018 in ECE department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING** from 02-12-2018 to 07-12-2018.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) K.Vijay Kumar is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by : 01-12-2018.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	K.VAMSI KRISHNA	ASST. PROF	K.Vamsi
2.	D.PAVANI	ASST. PROF	D.Pavani
3.	D.SUJATHA	ASST. PROF	Sujatha
4.	K.VENU BABU	ASST. PROF	Venu
5.	L.SUNITHA	ASST. PROF	Sunitha
6.	K.RAJASEKHAR	ASST. PROF	Rajasekhara
7.	CH.ASHOK	ASST. PROF	Ashok

*K. Vijay Kumar*  
HOD Head of the Department  
Electronics & Communication Engineering  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

Held From

02-DEC-2018 TO 07-DEC-2018

Organized By  
Dept. of ELECTRONICS &  
COMMUNICATION ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S(Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years - with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The department of ECE in G.V.R&S College of Engineering and Technology best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication which was established in 2007. The department provides with state of the art technological tools incorporated in all the existing laboratories. For the last ten years the students of the ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

The augmentation of the intake of the department from 60 in the year 2007, later the intake was increased to 120 in the year 2009. The introduction of M. Tech program in DECS in the academic year 2012 with intake of 18 seats, later VLSI and Embedded System Design introduced in 2014 with

FACULTY DEVELOPMENT PROGRAM

## On TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

Organized By

Dept. of ELECTRONICS &  
COMMUNICATION ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite to  
NSL Textiles, Guntur, Andhra Pradesh 522017

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522 017





# G.V.R.S. COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvs\_cet@yahoo.com, website: www.gvrs.ac.in

## Department of ELECTRONICS AND COMMUNICATION ENGINEERING

### FACULTY DEVELOPMENT PROGRAM

#### TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING


##### ATTENDANCE SHEET

DATE: 02-DEC-2018

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	M.Naga Naik	✓	✓	✓	✓	✓	✓
2	K.Rajasekhar	✓	✓	✓	✓	✓	✓
3	L.Sunitha	✓	✓	✓	✓	✓	✓
4	Sk.Allabakshu	✓	✓	✓	✓	✓	✓
5	Ch.Ashok	✓	✓	✓	✓	✓	✓

  
PROGRAMME COORDINATOR

  
PRINCIPAL  
G.V.R.S. COLLEGE OF ENGG. & TECH.  
GUNTUR - 522017

  
HEAD OF THE DEPARTMENT  
Head of the Department  
Electronics & Communication Engineering  
G.V.R.S. COLLEGE OF ENGG. & TECH.  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of ECE

### FACULTY DEVELOPMENT PROGRAM

On TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

#### Faculty Feedback

I, D.PAVANI Working as an ASST. PROF in the department of ECE have attended the FACULTY DEVELOPMENT PROGRAM on TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING from 02-12-2018 to 07-12-2018.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?		4			
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction		4			
	Overall Rating	5				

Date:

*D. Pavani*  
Signature of the faculty

*W*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

## TRANSMISSION TECHNOLOGIES USING ADVANCED SIGNAL PROCESSING

### REPORT:

Inexpensive and rapid computational power provided powerful tools to overcome the limitations of current technologies and enabled us to apply several advanced statistical signal processing techniques for the design of receivers in wireless communications systems. In this presentation, we first mention the knowledge gaps in general. Then, we briefly explain two techniques, namely, the expectation maximization (EM) and its modified version called the space-alternating generalized expectation maximization (SAGE) algorithm and the Monte Carlo Markov Chain (MMCC) technique based on the Gibbs Sampling algorithm. To demonstrate the applications of these techniques to wireless communications, we will then give two examples from our recent research, carried out with Princeton University jointly. The first one is on computationally efficient, joint transmission delay and channel parameter estimation algorithm for uplink asynchronous direct-sequence CDMA systems, and the second one is on OFDM receiver design in the presence of high mobility fading channels. The presentation will end with a conclusion.



GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that *Dr./Mr./Ms. L. Sunitha* has

participated for the *FACULTY DEVELOPMENT PROGRAM* on

*Transmission Technologies Using Advanced Signal Processing*

during 2/12/2018 to 7/12/2018.

KW

PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech  
Guntur - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

Guntur,

Date: 16/10/2018

To

The Principal,

GVR&S College of Engineering & Technology

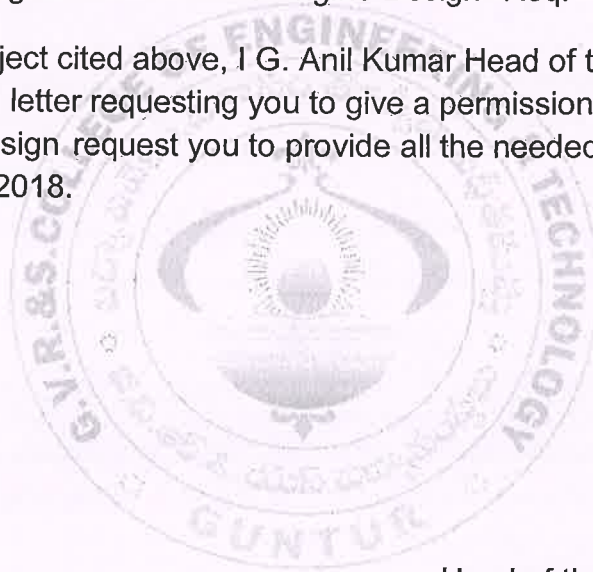
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Ic Engine Design - Req.

In accordance to subject cited above, I G. Anil Kumar Head of the Department, MECH, here with this letter requesting you to give a permission to organize 6 days FDP on Ic Engine Design request you to provide all the needed facilities. Dates from 18/10/2018 to 23/10/2018.

Thanking you sir,



  
Yours Sincerely,

G. Anil Kumar  
Head of the Department, MECH

**Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech,  
GUNTUR - 522017**

  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P., India.

E-mail: gvr\_cet@yahoo.com, website: www.gvrs.ac.in

Date: 15-OCT-2018

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “IC ENGINE DESIGN” from 18-OCT-2018 TO 23-OC-2018. The program will be organized by the department of MECHANICAL ENGINEERING in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.

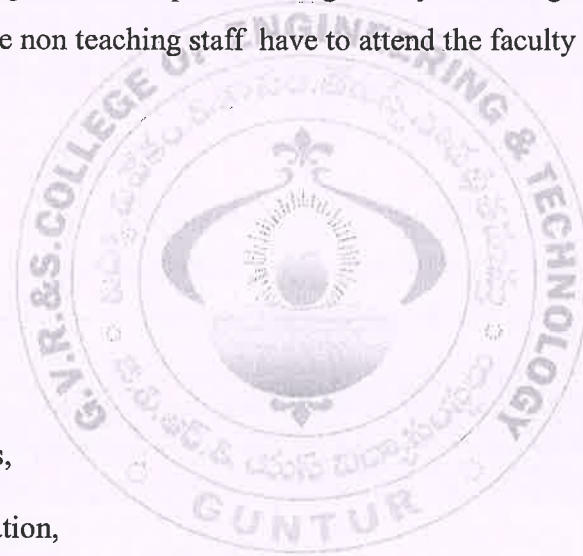
Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.



*P. H. Das*

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*Klw*

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of Mechanical Engineering Minutes of Meeting

Date: 17-10-2018

A meeting was held on : 17-10-2018 in MECH department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **IC ENGINE DESIGN** from 18-10-2018 to 23-10-2018.
- 2) Coordinator of above program has to collect the information of interested students and inform to them about FACULTY DEVELOPMENT PROGRAM.
- 3) G. Anil Kumar is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **IC ENGINE DESIGN**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by : 17-10-2018.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	L.Bosu Babu	ASST. PROF	Bosu Babu
2.	M.Hari Babu	ASST. PROF	Hari Babu
3.	B.Kishore Kumar	ASST. PROF	Kishore
4.	B.Ramesh Babu	ASST. PROF	Ramesh
5.	S.Suresh	ASST. PROF	Suresh
6.	J.Chandrakala	ASST. PROF	Chandrakala
7.	B.Vinod Kumar	ASST. PROF	Vinod

HOD

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

P. Das

PRINCIPAL

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

KW

PRINCIPAL  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017



# REGISTRATION FORM

## FACULTY DEVELOPMENT PROGRAM

### On IC ENGINE DESIGN

Held From

18-OCT-2018 TO 23-OC-2018

Organized By

Dept. of MECHANICAL ENGINEERING

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society, whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in "Fueling the quest for knowledge". In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The Department of Mechanical Engineering was established in the year 2012 with an intake of 60 students and enhanced to 120 in the year 2014.

This department is another promising twig which plays the most significant role in its wider sense. It believes in developing studiousness among the students by giving a clear understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity



## FACULTY DEVELOPMENT PROGRAM

### On IC ENGINE DESIGN

Organized By

Dept. of MECHANICAL ENGINEERING



GVR&S College of Engineering & Technology

Near Budampadu Erukuru, Ponnuru

Road, beside National Highway 16, opposite to NSL Textiles, Guntur, Andhra Pradesh

522017

*Handwritten signature*

**PRINCIPAL**  
**GVR & S College of Engg & Tech**  
**GUNTUR - 52297**





# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt. of A.P., India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) - 522017, A.P, India.

E-mail: [gvs\\_cet@yahoo.com](mailto:gvs_cet@yahoo.com), website: [www.gvrs.ac.in](http://www.gvrs.ac.in)

## Department of MECHANICAL ENGINEERING

### IC ENGINE DESIGN

#### ATTENDANCE SHEET

DATE: 18-OCT-2018

S.NO	NAME OF THE FACULTY	1	2	3	4	5	6
1	B.Ramesh Babu	✓	✓	✓	✓	✓	✓
2	S.Suresh	✓	✓	✓	✓	✓	✓
3	N.Janardhana Naidu	✓	✓	✓	✓	✓	✓
4	G.Sivarayudu	✓	✓	✓	✓	✓	✓
5	J.Chandrakala	✓	✓	✓	✓	✓	✓

PROGRAMME COORDINATOR

*P/c Ravikiran*  
HEAD OF THE DEPARTMENT

Head of the Department  
MECHANICAL ENGINEERING  
GVR & S College of Engg. & Tech.  
GUNTUR - 522017

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

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Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVRS

## Department of MECH

### FACULTY DEVELOPMENT PROGRAM

On IC ENGINE DESIGN

### Faculty Feedback

I, J. Chandrakala Working as an ASST. PROF in the department of MECH have attended the FACULTY DEVELOPMENT PROGRAM on IC ENGINE DESIGN from 18-10-2018 to 23-10-2018.

SNO	Course Program	Excellent(5)	Very Good (4)	Good(3)	Satisfactory(2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	4				
3	Speaker's level of command on the topic	5				
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*J. Chandrakala*  
Signature of the faculty

*KW*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

## IC ENGINE DESIGN

### REPORT:

Spark ignition engines, based on the Otto cycle, are the most popular internal combustion engines. They burn a range of fuels including gasoline, natural gas, propane, biogas and landfill gas. Most use a four-stroke cycle but some utilise the two-stroke cycle. In these engines fuel and air are premixed before being fed into the cylinder of the engine where the mixture is compressed then ignited to generate a power stroke. The compression ratio of a spark ignition engine is limited by the tendency for the fuel-air mixture to ignite spontaneously. Natural gas is more resistant and a higher compression ratio can be used, leading to higher efficiency. Emissions are also an important consideration in modern engines.

KW

PRINCIPAL

**BVR & S College of Engg. & Tech.**  
**GUNTUR - 522017**



# GVR & S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTUK Kakinada, Govt. of AP)  
Ganginenipuram, Budampadu (V), Guntur Dist - 522017, AP, INDIA.



## Certificate of Participation

This is to certify that Dr./Mr./Ms. S. Suresh has  
participated for the FACULTY DEVELOPMENT PROGRAM on

Ice Engine Design

during 18/10/2018 to 23/10/2018.

*KV*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017

*P. Vasu*  
PRINCIPAL  
GVR & S College of Engg. & Tech  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvrscet@yahoo.com, website: www.gvrsc.ac.in

Guntur,

Date: 13/11/2018

To

The Principal,

GVR&S College of Engineering & Technology

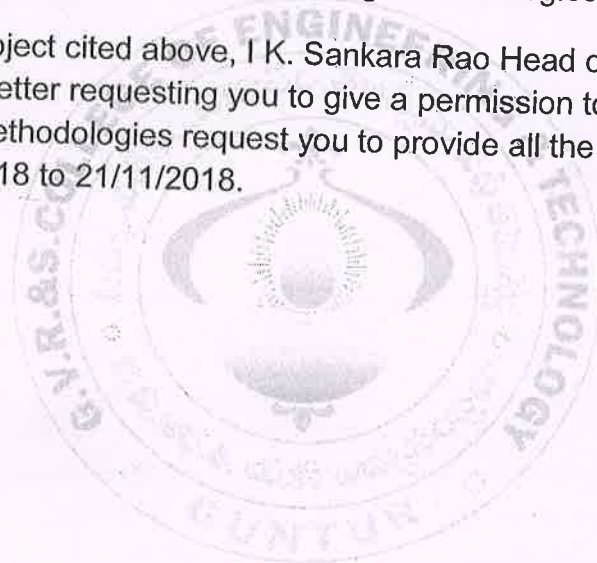
Budampadu, Guntur.

Respected Sir,

Sub: Permission to organize -FDP on Teaching Methodologies- Req.

In accordance to subject cited above, I K. Sankara Rao Head of the Department, S&H, here with this letter requesting you to give a permission to organize 7 days FDP on Teaching Methodologies request you to provide all the needed facilities. Dates from 15/11/2018 to 21/11/2018.

Thanking you sir,



Yours Sincerely,

K. Sankara Rao

Head of the Department, S&H

Head of the Department  
HUMANITIES  
PRINCIPAL  
GVR & S College of Engg. & Tech.  
GVT  
GUNTUR - 522017



# GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: gvr\_s\_cet@yahoo.com, website: www.gvrs.ac.in

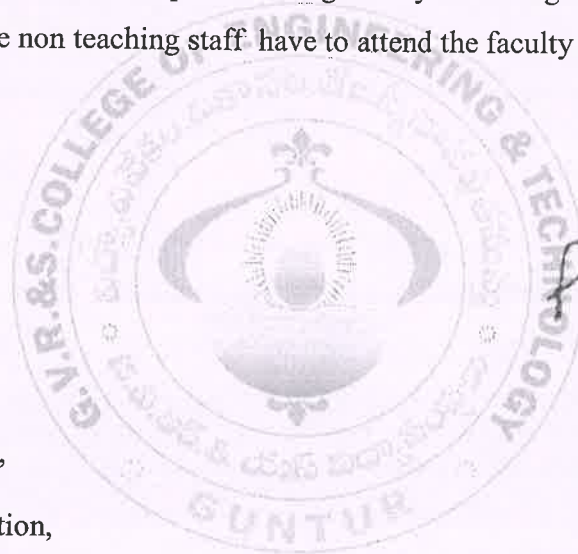
Date: 13-NOV-2018

## CIRCULAR

### FACULTY DEVELOPMENT PROGRAM

All the Teaching and non- Teaching staff of our college are informed that a FACULTY DEVELOPMENT PROGRAM is being conducted in our college premises on “TEACHING METHODOLOGIES” from 15-NOV-2018 TO 21-NOV-2018. The program will be organized by the department of BASIC SCIENCE AND HUMANITIES in the seminar hall.

Interested teaching staff are requested to register by collecting registration brochure from the office admin. All the non teaching staff have to attend the faculty development program which is mandatory.



*P. Das*

PRINCIPAL

PRINCIPAL

GVR & S College of Engg. & Tech.  
GUNTUR - 522017

Copy to:

The Director, Academics,

The Director, Administration,

Vice Principal

IQAC.

*Klv*

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# GVR & S COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada, Govt. of A.P. SBTET)

Promoted by : SGVRS Educational Society

Ganginenipuram, Near Budampadu, Etukuru (P.O), Guntur - 522017, A.P. Mobile : 9440263993

Email : gvrscet@yahoo.com, Website : www.gvrands.com EAPCET CODE : GVR

## Department of BASIC SCIENCE & HUMANITIES

### Minutes of Meeting

Date: 13-NOV-2018

A meeting was held on 13-NOV-2018 in BASIC SCIENCE & HUMANITIES department to discuss the following points:

- 1) Conduction of FACULTY DEVELOPMENT PROGRAM on **TEACHING METHODOLOGIES** from 15-NOV-2018 TO 21-NOV-2018.
- 2) Coordinator of above program has to collect the information of interested students and inform them about FACULTY DEVELOPMENT PROGRAM.
- 3) K. SANKARA RAO is nominated as Coordinator for the FACULTY DEVELOPMENT PROGRAM on **TEACHING METHODOLOGIES**, instructed to prepare the design and development of curriculum for FACULTY DEVELOPMENT PROGRAM by 13-NOV-2018.

The following staff members were present for the meeting:

S. No	Name of the Faculty	Designation	Signature
1.	S.Ammaji	Associate Professor	
2.	S.Sireesha	Associate Professor	
3.	M.Kiran Kumar	Associate Professor	
4.	B.Aparna	Assistant Professor	
5.	P.Veera Kumari	Assistant Professor	
6.	M.A.S.Deepika	Assistant Professor	

HOD

Head of the Department

BASIC SCIENCE & HUMANITIES

GVR & S College of Engg. & Tech.

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GVR & S College of Engineering & Technology

Budampadu, Guntur-522017

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# REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

## On TEACHING METHODOLOGIES

Held From

15-NOV-2018 TO 21-NOV-2018

Organized By

Dept. of BASIC SCIENCE & HUMANITIES

NAME:

Designation:

Dept:

Institution:

Phone/Mobile:

Email:

Date

Signature



### ABOUT COLLEGE

GVR&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology was established in the year 2007 under the aegis of Educational society whose members have had consummate experience in the field of education. GVR&S (Gangineni Venkateswara Rao & Sailaja) -CET has completed 15-Years – with a deep sense of satisfaction and pride over its contributions, achievements and recognition received. At G.V.R&S (Gangineni Venkateswara Rao & Sailaja) College of Engineering and Technology we believe in “Fueling the quest for knowledge”. In doing so, our commitments are in ensuring individual professional success which culminates in benefiting the society.

### ABOUT DEPARTEMENT

The department of Science and Humanities at GVR&S-CET offers the bridge courses in English, Mathematics, Physics, Chemistry, Managerial Economics & Financial Analysis and Environmental science that help the engineering freshmen get attuned to the specialized engineering domains.

In addition, the department coordinates a smoother transition of our novice engineering aspirants from the academic setting they experienced at 10 + 2 level to the study ambience they will encounter in their undergraduate Engineering and Technology course.

As an ancillary department that supports the conduct of specialized courses, offered in its domain, as a part of the curricula of other main branches of engineering the department acquires a multi-disciplinary nature and so the faculty belongs to different disciplines namely, English, Mathematics, Physics, Chemistry, Managements Studies and Environmental Sciences.

The department shields the responsibility of the consolidation of attendance and the seasonal marks of the first years and the maintenance of the Parent-Institution communications for the welfare of the students. The faculty has addressed itself to the need to orient the students towards the ultimate goal of relating their knowledge to the reality of life situations.



FACULTY DEVELOPMENT PROGRAM

## On TEACHING METHODOLOGIES

Organized By  
Dept. of BASIC SCIENCE & HUMANITIES



GVR&S College of Engineering & Technology

Near Budampadu Etukuru, Ponnuru  
Road, beside National Highway 16, opposite  
to NSL Textiles, Guntur, Andhra Pradesh

522017

KSV

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GUNTUR 522017





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## Department of BASIC SCIENCE & HUMANITIES

### FACULTY DEVELOPMENT PROGRAM

#### On TEACHING METHODOLOGIES

#### Faculty Feedback

I, B.Aparna Working as an ASST. PROF in the department of BASIC SCIENCE & HUMANITIES have attended the FACULTY DEVELOPMENT PROGRAM on TEACHING METHODOLOGIES from 15-NOV-2018 TO 21-NOV-2018.

SNO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the program enhance your knowledge?	5				
2	Effectiveness of the speaker in terms of technical content	5				
3	Speaker`s level of command on the topic		4			
4	Effectiveness of the speaker in terms of communication	5				
5	Level of interaction	5				
	Overall Rating	5				

Date:

*B Aparna*  
Signature of the faculty

*KW*  
PRINCIPAL  
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## TEACHING METHODOLOGIES

### REPORT:

HRM includes:

These are critical cornerstones of the work of HRM professionals. From crafting a job posting to providing continuing education options, HRM functions at all stages of an employee's journey with an organisation.

To be an effective HRM professional, you will need a mix of personal and technical skills like recruitment strategies, creating compensation plans, and communication and team building.

#### 1. Recruitment

An effective recruitment process is at the foundation of HRM. If you can recruit good talent, you can build on their skills and invest in employees for years to come as they add value to the organisation. Equally important is company culture. You want employees who add to the culture of the organisation. Some common recruiting tools HRM may use include job aggregators like Naukri, Indeed or Foundit, video interviewing, or even social media sites like LinkedIn.

#### 2. Evaluation and performance management

HRM uses data to track employee performance to ensure a highly trained and capable workforce. The data compiled can also be used to change staff training methods, implement a merit-based system for raises, and more. HRM professionals use formal measures like performance reviews and informal techniques like interviews or surveys.

#### 3. Compensation

Compensation means salary, commission, benefits, time off, and other non-monetary benefits. HRM uses the industry standard to set salary, commission rates, and benefits. This ensures fairness and allows for a consistent company standard. Some organisations may use performance reviews to adjust an employee's salary.

*Kw*

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#### 4. Employee development and learning

Engaged employees are effective employees. HRM understands the importance of a workforce that is challenged but also supported. Most employees want opportunities for advancement and to feel competent and valued in what they bring to an organisation.

Part of HRM is providing employees with these learning opportunities. This might include tuition reimbursement programs, on-the-job training options, conferences, conventions, or certification programs. Aside from individual learning, HRM can also use employee development and knowledge to help employees adapt to organisational changes, such as system upgrades, technology shifts, and new policies.

#### 5. Employee health and safety

The safety and well-being of an organisation's employees are critically important aspects of HRM. Employee health and safety covers a lot, such as safety against harassment, discrimination, or bullying in the workplace. It can mean physical security that would involve building fire code compliance. It can also mean adherence to labour laws that protect an employee's rights in the workplace and cybersecurity or safeguarding an employee's personal information.

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