



## V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobila +91 92465 42188/91546 05555 Email: [principalnh2008@gmail.com](mailto:principalnh2008@gmail.com) URL: <http://www.vkrvnbce.org>

### LIST OF PROFESSIONAL DEVELOPMENT PROGRAMS

AY: 2018-2019

S.NO	NAME OF THE PROGRAM	DATE		NO OF PARTICIPANTS
		FROM	TO	
1	River sediment and hydrological extremes: causes impacts and management	16-07-2018	20-07-2018	20
2	Advances in additive manufacturing and 3D printing	04-03-2019	09-03-2019	24

Principal

PRINCIPAL

VKR VNB & AGK COLLEGE OF ENGINEERING

Eluru Road, GUDIVADA, Kri Dt. A.P. 521 301



# V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

An ISO 9001:2015 Certified Institute

Gudivada, Krishna District, Andhra Pradesh – 521301

Date: 25-02-2019

## CIRCULAR

The Department of Mechanical Engineering is organizing One Week Faculty Development Program (FDP) on "ADVANCES IN ADDITIVE MANUFACTURING & 3D PRINTING" from 4<sup>th</sup> MARCH to 9<sup>th</sup> MARCH 2019 the FDP Delivered by Eminent Speakers.

Hence, All the Faculty members are requested to register and attend the program without fail.

**Venue:** MECH Seminar Hall.

**Note:** The program Schedule and Brochure are enclosed.

**Co-Ordinator:** Dr.V.Venkateswarlu

Associate Professor,

Email: 2venkee@gmail.com

9533239679.

*V. Venkateswarlu*  
Principal

PRINCIPAL  
V.K.R V.N.B & A.G.K COLLEGE OF ENGINEERING  
Eluru Road, GUDIVADA, Kri Dt. A.P. 521 301

Copy to:

Signature of all HODs							TPO	OFFICE	LIBRARY
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
CSE	ECE	CIVIL	MECH	FED	EEE	MBA			

## ABOUT THE INSTITUTION

VKR, VNB & AGK College of Engineering established in the year 2008 . It is a self financing institution which owes its foundation to the bold and inspired vision of General and technical education society of Gudivada. The institution is ideally located in a vast expanse of **15 acres** of land on the outskirts of Gudivada city . The departmental buildings are located in close proximity each other with wide open spaces all around. The play fields and other student and staff amenities are within working distance from faculty blocks.

## ABOUT THE DEPARTMENT

**MECHANICAL ENGINEERING** is one of the broadest engineering disciplines. This subject is concerned with design and manufacture of parts and systems that make up the range of machinery and equipment. Mechanical engineers research, design, develops, manufacture and test tools, engines, machines, and other mechanical devices. Mechanical engineers also design tools that other engineers need for their work.

## TOPICS COVERED

- Introduction of 3D printing technology
- Metal 3D printing
- Biomedical applications in 3D Printing
- Research in Additive Manufacturing
- Virtual demo in Cura® and ideaMaker®

## ABOUT PROGRAMME

Additive manufacturing (AM), universally known as 3D printing, is transforming how products are designed, produced, and serviced. AM enables on-demand production without dedicated equipment or tooling, unlocks digital design tools. This programme provides an opportunity to perform research in 3D printing for various applications. The programme also tends to provide a forum for academic expert, industry experts and research scholars to exchange and share their experiences and innovations about all aspects of 3D Printing.

## PROGRAMME OBJECTIVE

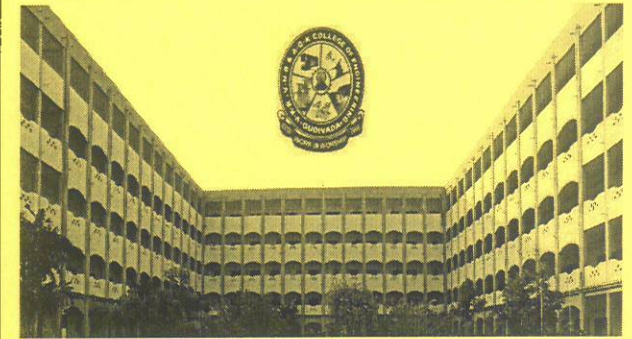
- To impart knowledge and skills related to 3D printing technologies especially in bio- medical devices.
- To explore the state-of-the-art technologies in 3D Printing.
- To apprise the participants of emerging trends in 3D Printing technology.
- To bridge the gap between academic learning and industry demands in the field of 3D printing technology.

## A ONE WEEK FACULTY DEVELOPMENT PROGRAMME

on  
“ADVANCES IN ADDITIVE  
MANUFACTURING & 3D PRINTING”

**MARCH 4<sup>th</sup> TO 9<sup>th</sup>, 2019**

**Organized by  
DEPARTMENT OF  
MECHANICAL ENGINEERING**



## V.K.R, V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to JNTUK, Kakinada)  
**Eluru Road, Gudivada – 521301**



**CHIEF PATRONS**

**Sri Pinnamaneni Divakar**  
Chairman

**Sri Vemulapalli Venkateswara Rao**  
Secretary

**Sri V. V. Kodanda Ramaiah**  
Correspondent

**PATRON**  
**Dr. G. Vijay Kumar**  
Principal

**CONVENER**  
**Mr. K. Durga Prasad**  
HOD, Dept of Mech

**ORGANIZING COMMITTEE**

<b>Mr. M. Sai Santosh</b>	<b>Assistant Professor</b>
<b>Mr. K. Manipal</b>	<b>Assistant Professor</b>

**Co-Ordinator**  
**Dr.V.Venkateswarlu**

Associate Professor,  
Email: 2venkee@gmail.com  
9533239679.

**REGISTRATION DETAILS**

**Registration Fee: Rs 500/- per participant**

- Faculty can register through online.
- Spot Registration is also Available
- 

**Registration Link:**

**<http://www.vkrvnbcoe.org>**

**Last date for registration 2<sup>nd</sup> March 2019**

**HOW TO APPLY**

Faculty can register through online or registration form in the prescribed proforma duly signed by the Head of the Institution.

**HOW TO REACH?**

The college is located in the vicinity of Nagavarappadu, Which is 4 km from Gudivada Bus stand / Railway station on Eluru road.

**REGISTRATION FORM**

**A ONE WEEK FACULTY DEVELOPMENT PROGRAMME**

on

**“ADVANCES IN ADDITIVE MANUFACTURING & 3D PRINTING”**

**Name: Mr./Ms.:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Pin:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Fax:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

Signature of participant

Signature of Head of the Institution  
(With the official seal)

**Department of Mechanical Engineering**  
**V.K.R, V.N.B. & A.G.K. College of Engineering**  
**Eluru Road, Gudivada - 521301, A.P**

**Phone number: 08674 242188**

**E-mail: [vkrvnbengineering@gmail.com](mailto:vkrvnbengineering@gmail.com)**

**Website: [www.vkrvnbcoe.org](http://www.vkrvnbcoe.org)**

**SCHEDULE OF FDP:**  
**ADVANCES IN ADDITIVE MANUFACTURING & 3D PRINTING**  
**DATES: 04-03-2019 TO 09-03-2019**

<b>Day1 (04-03-2019) (Monday)</b>	<b>Day2 (05-03-2019) (Tuesday)</b>	<b>Day3 (06-03-2019) (Wednesday)</b>	<b>Day4 (07-03-2019) (Thursday)</b>	<b>Day5 (08-03-2019) (Friday)</b>	<b>Day6 (09-03-2019) (Saturday)</b>
9:30AM–10:30AM <b>Inauguration</b>	10:00AM–11:30AM <b>Metal 3D printing</b>	10:00AM – 11:30AM <b>Research in Additive Manufacturing</b>	10:00AM– 11:30AM <b>3D Printing Techniques, .STL Programming</b>	10:00AM – 11:30AM <b>Advances in 3D printing</b>	10:00AM – 11:30AM <b>Virtual demo in idea Maker</b>
<b>Technical session</b>					
11:30AM– 12:00Noon <b>Tea Break</b>	11:30AM– 12:00Noon <b>Tea Break</b>	11:30AM–12:00Noon <b>Tea Break</b>	11:30AM– 12:00Noon <b>Tea Break</b>	11:30AM– 12:00Noon <b>Tea Break</b>	11:30AM– 12:00Noon <b>Tea Break</b>
12:00Noon–1:15PM <b>Interactive Session</b>	12:00Noon–1:15PM <b>Interactive Session</b>	12:00Noon–1:15PM. <b>Interactive Session</b>	12:00Noon–1:15PM <b>Interactive Session</b>	12:00Noon–1:15PM <b>Interactive Session</b>	12:00Noon–1:15PM <b>Interactive Session</b>
1:15PM–2:30PM <b>Lunch Break</b>	1:15PM–2:30PM <b>Lunch Break</b>	1:15PM–2:30PM <b>Lunch Break</b>	1:15PM–2:30PM <b>Lunch Break</b>	1:15PM–2:30PM <b>Lunch Break</b>	1:15PM–2:30PM <b>Lunch Break</b>
2:30 PM-4:30 PM <b>Introduction of 3D printing technology</b>	2:30PM-4:30PM <b>Biomedical applications in 3D Printing</b>	2:30 PM-4:30PM <b>Virtual demo in Cure</b>	2:30PM-4:30PM <b>3D Tooling</b>	2:30PM-4:30PM <b>Applications in Manufacturing Industry</b>	2:30PM-4:30PM <b>Valedictory</b>



11	T. Nani	Mech	Pydah	Nan	na	nau	Nau	Nau	Nau	Nau	Nau	Nau	Nau	Nau	Nau
12	G. madhu	mech	vivekanda Pydah	maadu	madhu	madhu	madhu	madhu	madhu	madhu	madhu	madhu	madhu	madhu	madhu
13	M. Venu	Mech	vivekanda Pydah	Ve	Ve	Ve	Ve	Ve	Ve	Ve	Ve	Ve	Ve	Ve	Ve
14	S. Rakesh Baban	Mech	vivekanda	SRB	SRB	SRB	SRB	SRB	SRB	SRB	SRB	SRB	SRB	SRB	SRB
15	B. nardana	Mech	wise	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda	Nanda
16	N. Venkatesh	Mech	wise	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat
17	T. Vinodh	mech	wise	Is	Is	Is	Is	Is	Is	Is	Is	Is	Is	Is	Is
18	Ravi chandra	Mech	Srinivasa	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
19	M. Suresh Kumar	Mech	Srinivasa	R	R	R	R	R	R	R	R	R	R	R	R
20	P. Mastan Valli	Mech	Srinivasa	P. valli	p. valli	p. valli	p. valli	p. valli	p. valli	p. valli	p. valli	p. valli	p. valli	p. valli	p. valli
21	S. Karimulla	Mech	Srinivasa	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
22	K. Anjal	Mech	JNTUHM	O	O	O	O	O	O	O	O	O	O	O	O
23	S. Shiva Krishna	Mech	JNTUHM	Krin	Krin	Krin	Krin	Krin	Krin	Krin	Krin	Krin	Krin	Krin	Krin
24	E. Anur Kumar	Mech	JNTUHM	A	A	A	A	A	A	A	A	A	A	A	A

Co-Ordinator

H.O.D



## **V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)  
An ISO 9001:2015 Certified Institute

Gudivada, Krishna District, Andhra Pradesh – 521301

Date:12/03/2019

### **PROGRAM REPORT**

**Name of the program:** A One week FDP on Advances in Additive manufacturing and  
3D printing

**Organized by:** Department of Mechanical Engineering

**Date:** 04/03/2019 to 09/03/2019

**Resource person:** Mr.M.Ravi Teja  
Designer Engineer, TechnipFMC, Hyderabad

Contact: 9912990019

#### **Objective:**

The objective of the course is to impart knowledge and skills related to 3D printing technologies especially in bio- medical devices and to explore the state-of-the-art technologies in 3D Printing. To apprise the participants of emerging trends in 3D Printing technology and to bridge the gap between academic learning and industry demands in the field of 3D printing technology.

#### **About the FDP:**

The Faculty Development Program is organized with a vision to enhance the technical and practical aspects of fundamental and advanced subjects of engineering technology which play a vital role in making the roots of education stronger. This program is about “Advances in Additive Manufacturing and 3D printing” 4th – 9th March, 2019 was conducted in association with the Department of Mechanical Engineering, V.K.R, V.N.B &

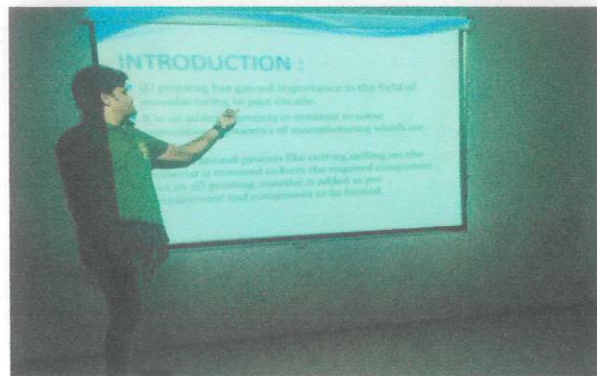


A.G.K COLLEGE OF ENGINEERING ,GUDIVADA. It all began with the decision of HOD, ,MECH that department will conduct FDP on 'Advanced materials' . Mr.Durga prasad was asked to prepare a proposal for the same to take the permission of the Principal . Dr G.V.Kumar interacted with resource persons as well as coordinator to get formal permission.

**Outcome:**

Faculty members enriched their knowledge on Advanced materials and understood Introduction to 3D printing. Like Ansys, Pro-e and other design softwares, Applications of Advanced materials and 3D printing includes understanding of Stereo lithography and other advanced manufacturing softwares. The FDP involved two-way communication in which faculties solved their queries by interaction with eminent senior faculties.

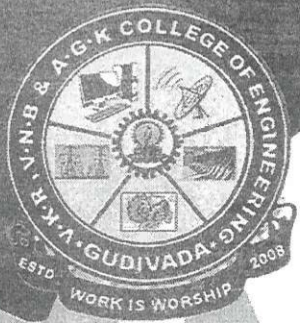
Total no. of Participants: 24



Resource person Mr.M.Ravi Teja presenting FDP on Advances in Additive manufacturing and 3D printing. Images showing details of Resource Person.

Co-Ordinator 

  
HOD



# V.K.R., V.N.B. & A.G.K. College of Engineering

(Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada)  
Eluru Road, Gudivada -521301, Krishna Dist., Andhra Pradesh

## Participation Certificate

This is to certify that Mr./Mrs./Ms./Dr. S. Rakesh Roshan

from Nivekananda Engineering college. has participated and successfully completed

One Week Faculty Development Program on

### Advances in Additive Manufacturing & 3D Printing

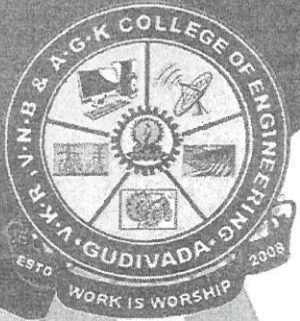
Organized by the Department of Mechanical, V.K.R., V.N.B. & A.G.K. College of Engineering, Gudivada.

04-03-2019 to 09-03-2019

*Catal*  
Co-ordinator

*M. Jyoti Prasad*  
HoD

*Ujjay Kumar*  
Principal



# V.K.R., V.N.B. & A.G.K. College of Engineering

(Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada)  
Eluru Road, Gudivada -521301, Krishna Dist., Andhra Pradesh

## *Participation Certificate*

This is to certify that Mr./~~Mrs.~~/Ms./Dr. L. Raja

from VKR, VNB, & AGK College of Engineering has participated and successfully completed

One Week Faculty Development Program on

## **Advances in Additive Manufacturing & 3D Printing**

Organized by the Department of Mechanical, V.K.R., V.N.B. & A.G.K. College of Engineering, Gudivada.

04-03-2019 to 09-03-2019

*Catal*  
Co-ordinator

*M. Jurgal*  
HoD

*Udaykumar*  
Principal



## V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605555 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

### DEPARTMENT OF CIVIL ENGINEERING

Date: 09-07-2018

#### CIRCULAR

The Department of Civil Engineering Organize One Week Faculty Development Program (FDP) on "River, Sediment and Hydrological Extremes: Causes, Impacts and Management" from 16<sup>th</sup> JULY to 20<sup>th</sup> JULY 2018 the FDP Delivered by Eminent Speakers

Hence, All the Faculty members are requested to register and attend the program without fail.

Venue: ROOM NO: 106, Seminar Hall, VVGV

Note: The program Schedule and Brochure are enclosed

**Co-Ordinator: Mr. M Venkatesh**











Assistant Professor,

Email: vkrcivildept@gmail.com.

Contact : 9010133771.

Copy to:

  
Principal  
PRINCIPAL  
YKR VNB & AGK COLLEGE OF ENGINEERING  
Eluru Road, GUDIVADA, Kri Dt. A.P. 521 301

Signature of all HODs							TPO	OFFICE	LIBRARY
									
CSE	ECE	CIVIL	MECH	FED	EEE	MBA			

## ABOUT THE INSTITUTION

V.K.R, V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing co-educational institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Educational Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in ECE, CSE, EEE, Mechanical, and Civil) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

## ABOUT THE DEPARTMENT

The Department of civil Engineering has been established in the year 2011 offers a fulltime four years B. Tech degree program in Civil Engineering. It has well equipped laboratories such as Strength of materials, Surveying field work, Engineering geology, Fluid mechanics and Hydraulic machinery, Geotechnical engineering, Transportation engineering, Concrete technology, Environmental Engineering, Auto cad lab and an excellent library .It has experienced and highly qualified faculty members to impart knowledge in the areas of construction companies.

## ABOUT THE FDP

The training program would help to provide:

- The objective of this course is to disseminate ideas across the range of disciplines where flood, sediment and river related research is carried out.
- This course gives an overview and brief concepts of the basic physical concept and numerical modeling of hydrological, hydrodynamics and scour processes.

## TOPICS COVERED

Contents of the course would touch upon following aspects, to achieve the objectives:

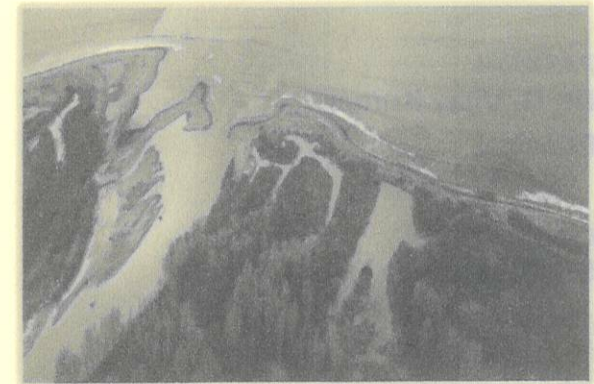
Risk perception, resilience and recovery

- Public engagement, policy and legislation
- Innovative mapping, modeling and use of data.
- Flood risk infrastructure
- Climate change and adaptation
- Prevention, protection and preparedness
- Long-term planning and decision making

## ONE WEEK FACULTY DEVELOPMENT PROGRAMME

on

### **River, Sediment and Hydrological Extremes: Causes, Impacts and Management** (16<sup>th</sup> – 20<sup>th</sup> July, 2018)



Organized by

**DEPARTMENT OF  
CIVIL ENGINEERING**

## **V.K.R, V.N.B. & A.G.K. COLLEGE OF ENGINEERING**

(Approved by AICTE and Affiliated to JNTUK, Kakinada)

**Eluru Road, Gudivada – 521301**

**E-mail: [vkrvnbengineering@gmail.com](mailto:vkrvnbengineering@gmail.com)**

Website: [www.vkrvnbcoe.org](http://www.vkrvnbcoe.org)

**CHIEF PATRONS**

**Sri Pinnamaneni Divakar**  
Chairman

**Sri Vemulapalli Venkateswara Rao**  
Secretary

**Sri V.V.Kodanda Ramaiah**  
Correspondent

**PATRON**  
**Dr. G. Vijay Kumar**  
Principal

**CONVENER**  
**Sri Ram Sessa Rao**  
HOD, Dept of CIVIL

**ORGANIZING COMMITTEE**

**Mrs.M.Tejaswi**                      **Assistant Professor**

**Mrs.CH.Anusha**                      **Assistant Professor**

**Mr. D.Sudheer Kumar**              **Assistant Professor**

**Mrs. J.Divya Kranthi**              **Assistant Professor**

**Mr. G.S.P.Kumar**                      **Assistant Professor**

**CO-ORDINATOR**

**Mr. M. VENKATESH**  
Assistant Professor,  
Contact: 9010133771  
Email:vkrvnbcivildept@gmail.com

**REGISTRATION DETAILS**

**Registration Fee: Rs 1000/- per**  
**participant**

Faculty can register through online.  
Spot Registration is also available

**Registration Link:**

**HYPERLINK**

**"<http://www.vkrvnbcocoe.org>"**

**<http://www.vkrvnbcocoe.org>**

**Last date for registration 14<sup>th</sup> July**  
**2018**

**HOW TO APPLY**

Faculty can register through online or  
registration form in the prescribed proforma  
duly signed by the Head of the Institution.

**HOW TO REACH?**

The college is located in the vicinity of  
Nagavarappadu, Which is 4 km from  
Gudivada Bus stand / Railway station on  
Eluru road.

**REGISTRATION FORM**

**ONE WEEK FACULTY DEVELOPMENT**  
**PROGRAMME**  
On

**"River, Sediment and Hydrological Extremes:**  
**Causes, Impacts and Management"**

**Name: Mr./Ms.:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Pin:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Fax:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

Signature of participant

Signature of Head of the Institution  
(With the official seal)

**ONE WEEK FACULTY DEVELOPMENT PROGRAMME SCHEDULE**  
 “River, Sediment and Hydrological Extremes: Causes, Impacts and Management”

DATES: 16-07-2018 TO 20-07-2018

<b>Day 1 (16-07-2018) (Monday)</b>	<b>Day 2 (17-07-2018) (Tuesday)</b>	<b>Day 3 (18-07-2018) (Wednesday)</b>	<b>Day 4 (19-07-2018) (Thursday)</b>	<b>Day 5 (20-07-2018) (Friday)</b>
9:30AM – 10:30AM Registration	10:00AM – 11:30AM <b>Topic: Salt water intrusion in Godavari river: an overview</b>	10:00AM – 11:30AM <b>Topic:River water quality and pollutants</b>	10:00AM – 11:30AM <b>Topic: Drought Hazards and Mitigation Measures</b>	10:00AM – 11:30AM <b>Topic: Applications of Fuzzy in water resources</b>
10:30AM – 11:30AM Inauguration				
11:30AM–12:00 Noon <b>Tea Break</b>	11:30AM – 12:00 Noon <b>Tea Break</b>	11:30AM – 12:00 Noon <b>Tea Break</b>	11:30AM – 12:00 Noon <b>Tea Break</b>	11:30AM – 12:00 Noon <b>Tea Break</b>
12:00Noon – 1:15 PM Keynote Lecture	12:00Noon – 1:15 PM <b>Interactive Session</b>	12:00Noon – 1:15 PM. <b>Interactive Session</b>	12:00Noon – 1:15 PM <b>Interactive Session</b>	12:00Noon – 1:15 PM <b>Interactive Session</b>
1:15 PM – 2:30 PM <b>Lunch Break</b>	1:15 PM – 2:30 PM <b>Lunch Break</b>	1:15 PM – 2:30 PM <b>Lunch Break</b>	1:15 PM – 2:30 PM <b>Lunch Break</b>	1:15 PM – 2:30 PM <b>Lunch Break</b>
2:30 PM-4:30 PM <b>Topic: Water and environment extremes: causes and countermeasures</b>	2:30 PM-4:30 PM <b>Topic:Continuous measurement of suspended sediments</b>	2:30 PM-4:30PM <b>Topic:River flood hazards</b>	2:30 PM-4:30 PM <b>Group Activity</b>	2:30 PM-4:30 PM  Valedictory





8	Kavitha	CIVIL	SRTS - kadapa	<del>R</del>	<del>k</del>	<del>R</del>	<del>R</del>	<del>R</del>	<del>R</del>	<del>R</del>	<del>R</del>	<del>R</del>	<del>R</del>
9	Subharayudu	CIVIL	SRTS - kadapa	<del>Su</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>	<del>sub</del>
10	G. Srikanth	Civil	SRTS - kadapa	<del>sri</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>	<del>srikanth</del>
11	S. Sneha	civil	"	<del>S. Sneha</del>	<del>S. sneha</del>	AB	<del>S. sneha</del>	<del>S. sneha</del>	<del>S. sneha</del>	<del>S. sneha</del>	<del>S. sneha</del>	<del>S. sneha</del>	AB
12	M. Harika Sai Bhagani	Civil	VKR, VNB & AGK college	<del>M. Harika</del>	<del>Harika</del>	<del>Harika</del>	<del>Harika</del>	<del>Harika</del>	<del>Harika</del>	<del>Harika</del>	<del>Harika</del>	AB	<del>Harika</del>
13	K. N. S. Sathya	Civil	"	<del>K. N. S.</del>	<del>Sathya</del>	<del>Sathya</del>	AD	<del>Sathya</del>	<del>Sathya</del>	<del>Sathya</del>	<del>Sathya</del>	<del>Sathya</del>	<del>Sathya</del>
14	M. Veerapandu	civil	"	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>	AB	<del>M. Veerapandu</del>	<del>M. Veerapandu</del>
15	M. Swathi	civil	"	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>
16	K. Vasa/Harika	Civil	VKR, VNB & AGK college	AB	<del>K</del>	<del>V</del>	<del>V</del>	<del>V</del>	<del>V</del>	<del>V</del>	<del>V</del>	<del>V</del>	<del>V</del>
17	G. Sai. Deepesh	Civil	SRTS Kadapa	<del>G. Sai</del>	<del>G. Sai</del>	<del>G. Sai</del>	<del>G. Sai</del>	<del>G. Sai</del>	AD	<del>G. Sai</del>	<del>G. Sai</del>	<del>G. Sai</del>	<del>G. Sai</del>
18	K. Tainath	Civil	P.Y.D.A	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>	<del>K. Tainath</del>
19	B. Sanyasa	Civil	P.Y.D.A	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>	<del>B. Sanyasa</del>
20	B. Nagar Gowtham	Civil	VKR Vnd and AGK college	<del>B</del>	<del>N</del>	<del>G</del>	<del>G</del>	<del>G</del>	<del>G</del>	<del>G</del>	<del>G</del>	<del>G</del>	<del>G</del>

M. Venkatesh  
Co-Ordinator

P. S. Sathya  
H.O.D



## **V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605555 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

Date: 23/07/2018

### **DEPARTMENT OF CIVIL ENGINEERING** **PROGRAM REPORT**

Name of the program	<b>One Week Faculty Development Program (FDP) on "River, Sediment and Hydrological Extremes: Causes, Impacts and Management"</b>
Organized by	DEPARTMENT OF CIVIL ENGINEERING
Date	16 <sup>th</sup> – 20 <sup>th</sup> July, 2018
Resource person	1. Mr. G.ANVESH Address :Department of Civil Engineering Guntur Engineering College NH 5, Opp. Katuri Medical College, Yanamadala, Andhra Pradesh 522019 Email: <a href="mailto:Gunjulurianvesh@gmail.com">Gunjulurianvesh@gmail.com</a> Contact: 9963917530

### **BACKGROUND**

The natural hazards posed by hydrologic events and river system, which depend on the uncertainty of hydrological events. This ability is affected by change in climatic conditions. Climate change studies have revealed that the frequency of extreme weather phenomena with increasing damage to human assets has been gradually growing worldwide.

As a consequence, rainfall events concentrated in time and space are expected to lead to serious local flooding and sediment transport in many parts of the world. Floods are remarkable hydro-meteorological phenomena and forceful agents of geomorphic evolution in most physical geographical belts and, from the viewpoint of human society, among the most important environmental hazards. According to the Indian Environment Agency, floods rank as number one on the list of natural disasters in India over the past decade.

Floods and excess rainfall also change the patterns of erosion and deposition that are ultimately determined by base level, the lowest elevation to which the river can flow. Base level, in turn, is set by the interplay between tectonic deformation of the land surface and sediment supply - quantities that can vary both in space and time.

The above concept has serious implications for understanding the recent development of the major river systems. Here, large rivers with high sediment load flow south from the Himalayas into a series of narrow valleys, or dun that runs parallel to the mountain front.

This training provides a platform for knowledge sharing in all areas related to flood, sediment and hydrological extremes. This course will explain the hypothesis that both river and flood hazards are intimately linked to erosion, scour and deposition of sediment. This erosion and deposition is driven by local base level changes, and is highly variable in space and time.

India is one of the most highly risk-prone countries to river and flood hazards. The geo-climatic variations of the country make the population vulnerable to flood and sediment and flood related disasters in varied degrees, intensities and patterns. Natural disasters such as flood, drought, cyclone etc., aggravated by impacts of climate change have been perceived as some unprecedented, but natural phenomenon by the community. Erosion, deposition scour and sediment transport in rivers are most hazardous and common hydrological processes. Sediment transport in rivers is one of the main cause of scouring and deposition and, therefore, precise estimation of the erosion is of major importance to reduce the hazards. Lack of preparedness and appropriate adaptation strategy make the people more risk-prone. India needs to be concerned about the impacts of flood, sediments and river hazards because a large portion of its population depends on sensitive sectors like agriculture and forestry for livelihoods as well as for several other reasons. In view of this, the current training on 'River, Sediment and Hydrological Extremes: Causes, Impacts and Management' is organized to share experiences, exchange knowledge on adaptation and risk reduction strategies, communities' responses and best practices.

## **ABOUT THE FDP:**

The training program would help to provide:

- The objective of this course is to disseminate ideas across the range of disciplines where flood, sediment and river related research is carried out.
- This course gives an overview and brief concepts of the basic physical concept and numerical modeling of hydrological, hydrodynamics and scour processes.

## **OUT COMES OF FDP**

- ❖ Forecasting, warning and emergency management
- ❖ Risk perception, resilience and recovery
- ❖ Public engagement, policy and legislation
- ❖ Innovative mapping, modelling and use of data
- ❖ Flood risk infrastructure
- ❖ Climate change and adaptation
- ❖ Prevention, protection and preparedness
- ❖ Basic concepts numerical modelling of bed degradation
- ❖ Basic concepts and introduction to scour
- ❖ Applications of soft computing techniques.
- ❖ Long-term planning and decision making

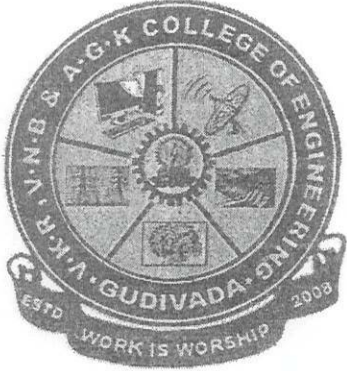
Total Number of Participants: 20





*M. Venkatesh*  
Co-Ordinator

*P. S. Srinivas Day*  
HOD



# V.K.R, V.N.B. & A.G.K.

## COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to JNTUK, Kakinada)  
Eluru Road, Gudivada – 521301, Krishna Dist, Andhra Pradesh



## DEPARTMENT OF CIVIL ENGINEERING

### Certificate of Participation

This is to certify that

Mr./Mrs./Ms./Dr. B. NAGA GOWTHAMI

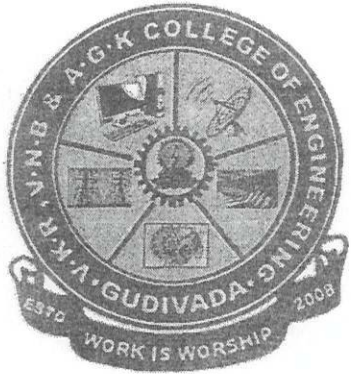
From V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING, GUDNADA  
has participated in One Week Faculty Development Program on “**River, Sediment and Hydrological Extremes: Causes, Impacts and Management**” organized by Department of Civil Engineering on 16/07/2018 to 20/07/2018.

*M. Venkatesh*  
Co-ordinator

*Ran Sheela Ran*  
HoD

*Gaykumar*  
Principal





**V.K.R, V.N.B. & A.G.K.**

**COLLEGE OF ENGINEERING**

(Approved by AICTE and Affiliated to JNTUK, Kakinada)  
Eluru Road, Gudivada – 521301, Krishna Dist, Andhra Pradesh



**DEPARTMENT OF CIVIL ENGINEERING**

**Certificate of Participation**

This is to certify that

Mr./Mrs./Ms./Dr. \_\_\_\_\_

M. MALLIKARTJUNA

From PYDALT COLLEGE OF ENGINEERING & TECHNOLOGY, VISAKHAPATNAM  
has participated in One Week Faculty Development Program on “ **River, Sediment and Hydrological Extremes: Causes, Impacts and Management**” organized by Department of Civil Engineering on 16/07/2018 to 20/07/2018.

*M. Venkatesh*  
Co-ordinator

*Ravi Shree Ravi*  
HoD

*Gayakumar*  
Principal



## V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605555 Email: [principalnh2008@gmail.com](mailto:principalnh2008@gmail.com) URL: <http://www.vkrvnbcoe.org>

### LIST OF ONE DAY TRAINING PROGRAMS

AY: 2018-2019

S.NO	NAME OF THE PROGRAM	DATE	NO OF PARTICIPANTS
1	One Day Training Program on "CNC Machine"	25/08/2018	13

*Gayatri Devi*  
Principal

PRINCIPAL  
V.K.R. V.N.B. & A.G.K. COLLEGE OF ENGINEERING  
Eluru Road, GUDIVADA Kri. Dt.A.P.521 301



## V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605555 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

Date: 20/08/2018

### CIRCULAR

The Department of Mechanical Engineering is planning to conduct a One Day Training Program on “CNC Machine” to our non-teaching staff on 25/08/2018. So, all the non-teaching staff is asked to attend the program without fail and make the programme successful.

Venue : Mechanical Lab

Time : 09:30AM to 01:00PM and 02:00PM to 4:30PM

*Gayle M. J.*  
Principal

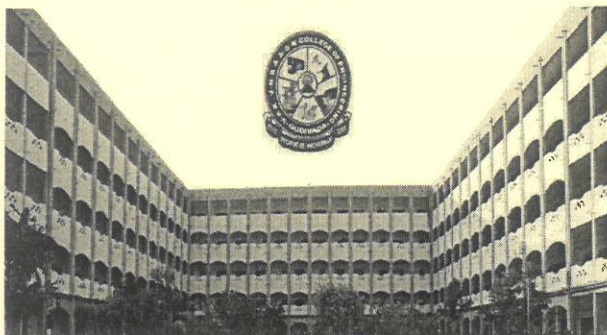
Copy to:

- All HoD's
- Faculty Circulation
- Notice Board

Signature of all HODs							TPO	OFFICE	LIBRARY
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
CSE	ECE	CIVIL	MECH	FED	EEE	MBA			

**A ONE DAY TRAINING PROGRAM  
FOR NON-TEACHING STAFF**

**ON  
“CNC MACHINE”  
25-08-2018**



**Organized by**



**V.K.R., V.N.B. & A.G.K.  
COLLEGE OF ENGINEERING  
Eluru Road, Gudivada - 521301  
Krishna Dist., Andhra Pradesh.**

[www.vkrvnbcoe.org](http://www.vkrvnbcoe.org)

**ABOUT COLLEGE**

V.K.R., V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing coeducational institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Educational Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in Civil, EEE, Mechanical, ECE, and CSE) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

**ABOUT DEPARTMENT**

**MECHANICAL ENGINEERING** is one of the broadest engineering disciplines. This subject is concerned with design and manufacture of parts and systems that make up the range of machinery and equipment. Mechanical engineers research, design, develops, manufacture and test tools, engines, machines, and other mechanical devices. Mechanical engineers also design tools that other engineers need for their work.

**COORDINATOR**

Mr. K.ManiPal M.Tech  
Assistant Professor  
Department of Mechanical

**RESOURCE PERSON**

Mr. G.V.N.B Prabhakar M.Tech(Ph.D)  
Associate Professor

**ABOUT PROGRAM**

This Training Program discuss about Introduction of CNC machine, Numerical Control Program, clear description of commonly used G and M codes, description of table top CNC machine, and running some machining operations and line by line execution/validation . Participants will have opportunity to create NC programs manually and the program will be verified on CNC simulator software. Moreover, participants will be aware with the programming related issues during working on real machine, new techniques of program verifications and the utilities of Machining Process towards improvement of productivity.

**CHIEF PATRONS**

Sri Pinnamaneni Diwakar  
**Chairman**

Sri Vemulapalli Venkateswara Rao  
**Secretary**

Sri V.V.Kodanda Ramaiah  
**Correspondent**

**PATRON**

Dr. G. Vijay Kumar Ph.D  
**Principal**

**CONVENER**

Mr. K.Durga Prasad M.Tech  
**HoD**  
Department of Mechanical



## V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605555 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

Date: 25-08-2018

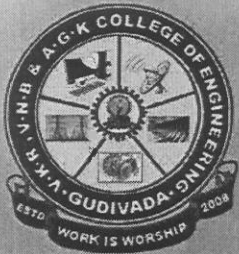
### “One Day Training Program on CNC Machine”

#### SCHEDULE OF TRAINING PROGRAM

Time	Topic
09:30AM-10:00AM	Inauguration
10:00AM-11:00AM	Introduction about CNC machines
11:00AM-11:15AM	Tea Break
11:15AM-12:15PM	About G & M codes
12:15PM-01:00PM	Manual Part Programming of geometrical object for CNC Machining Center
01:00PM-02:00PM	Lunch Break
02:00PM-03:00PM	Basics and Part Programming on CNC Turning Center
03:00PM-04:00PM	Hands on training on CNC Machining Center
04:00PM-4:30PM	Certificate Distribution & Feedback

  
COORDINATOR

  
HOD



**V.K.R., V.N.B. & A.G.K. College of Engineering**

Eluru Road, Gudivada - 521301

[www.vkrvnbcoe.org](http://www.vkrvnbcoe.org)

**A ONE DAY TRAINING PROGRAM**

**ON**

**“ CNC MACHINE ”**

**Resource Person : Mr. G.V.N.B Prabhakar** M.Tech.,(Ph.D).

*Organized by*  
**Department of Mechanical Engineering**

**25-08-2018**



## V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605655 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

Date: 25/08/2018

**Department of Mechanical Engineering**  
**“One Day Training Program on CNC Machine”**  
**for**  
**Non-Teaching Staff**  
**Attendance Sheet**

S.NO	Name of the Staff	FN	AN
1	R. Rambabu	R. Rambabu	R. Rambabu
2	R. Mahesh	R. Mahesh	R. Mahesh
3	A. Nagawase Rao	A. Nagesh	A. Nagesh
4	CH. Pradeep Kumar	Pradeep	Pradeep
5	N. Pavan Krishna	N. pavan	N. pavan
6	D. Daniel	D. Daniel	D. Daniel
7	V. Jainivasa Rao	Jainivasa	Jainivasa
8	V. Rama Rao	Ramavara	Rama Rao
9	R. Ravi	Ravi	Ravi
10	T. Syam	Syam	Sy
11	E. Tarun	E. Tarun	E. Tarun
12	B. Tirumala Rao	B. Tirumala Rao	B. Tirumala Rao
13	V. N. Murali	V. N. Murali	V. N. Murali
14			
15			

  
COORDINATOR

  
HOD



**V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile: +919246542188/9154605555 Email: principainh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

## Department of Mechanical Engineering

### Summary Report

#### “One Day Training Program on CNC Machine”

**Event Type:** One Day Training Program

**Date:** 25-08-2018

**Resource Person:** Mr. G.V.N.B Prabhakar M.Tech, (Ph.D), Associate Professor

**Target Audience:** Non-Teaching Staff

#### Objective of the Program:

- Demonstrating CNC machine with real-time machining operations
- Providing basic knowledge of NC part programming by using M & G codes.
- Creating Numerical Control part programming ability
- Revealing recent advancements in machine tools and part programming.

#### Outcome of the Program:

- Capable of understanding and explaining important terminology used in CNC machining.
- Able to explain the operation of a CNC machine, and demonstrate knowledge of the interaction amongst the program, fixtures and tool offsets on the outcome of the part.
- Gain knowledge of general manufacturing technical practices and procedures to produce high productivity without any defect.
- Demonstrates a working knowledge of M&G codes for the machine by reading and modifying the program.

**Feedback / Suggestions:** A good response from participants and positive feedback was given about program.

  
COORDINATOR

  
HOD





**V.K.R., V.N.B. & A.G.K.**  
**College of Engineering**

(Approved by AICTE, NEW DELHI, Affiliated to JNTUK, KAKINADA)

Eluru Road, Gudivada, krishna Dt, Andhra Pradesh - 521301

*Certificate of Participation*

THIS IS TO CERTIFY THAT

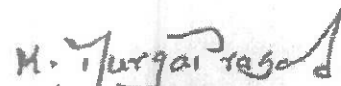
Mr./Mrs./Ms./Dr. E. Tarun

has successfully completed One Day Training Program on

**“ CNC MACHINE “**

Organized by Department of Mechanical on 25 , August 2018

  
Co-ordinator

  
HOD

  
Principal



**V.K.R., V.N.B. & A.G.K.  
College of Engineering**

(Approved by AICTE, NEW DELHI, Affiliated to JNTUK, KAKINADA)

Eluru Road, Gudivada, Krishna Dt, Andhra Pradesh - 521301

*Certificate of Participation*

THIS IS TO CERTIFY THAT

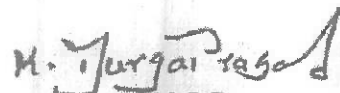
Mr./Mrs./Ms./Dr. N. Pavan Krishna

has successfully completed One Day Training Program on

**“ CNC MACHINE “**

Organized by Department of Mechanical on 25 , August 2018

  
Co-ordinator

  
HOD

  
Principal



**V.K.R., V.N.B. & A.G.K.**  
**College of Engineering**

(Approved by AICTE, NEW DELHI, Affiliated to JNTUK, KAKINADA)

Eluru Road, Gudivada, krishna Dt, Andhra Pradesh - 521301

*Certificate of Participation*

THIS IS TO CERTIFY THAT

Mr./Mrs./Ms./Dr. R. Rambabu

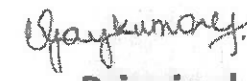
has successfully completed One Day Training Program on

**“ CNC MACHINE “**

Organized by Department of Mechanical on 25 , August 2018

  
Co-ordinator

  
HOD

  
Principal