



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial Dist. - 505 501, Telangana (India)

## DEPARTMENT OF MECHANICAL ENGINEERING



Website : [www.jntuhcej.ac.in](http://www.jntuhcej.ac.in)

E-Mail : [hodme.jntuhcej@gmail.com](mailto:hodme.jntuhcej@gmail.com)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
COLLEGE OF ENGINEERING

Nachupally (Kondagattu), Jagtial, Karimnagar Dist.- 505 501, Telangana (India)

DEPARTMENT OF MECHANICAL ENGINEERING

Dr.Suresh Arjula

B.Tech., M.Tech.,Ph.D, ISTE, IIT

Assistant Professor & HEAD

Department of Mechanical Engineering

Date: 12-03-2018

### CIRCULAR

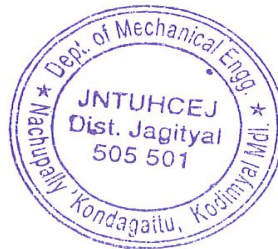
All the B.Tech III & IV Year Students are here by informed that A Two Day Workshop on "3D Printing and its Application" from 15<sup>th</sup> March 2018 to 16<sup>th</sup> March 2018.


In this regard, all the students should attend without fail.

Resource person: Jalagam Ravinder Rao, Founder, MECHENGG, Hyderabad

Venue: CAD/ CAM LAB, Block – II

Time: 10.00 AM To 05.00 PM



  
HOD-ME  
HEAD  
Dept. of Mechanical Engineering  
JNTUH College of Engineering Jagtial  
Nachupally (Kondagattu), Kodimial (M),  
Jagtial Dist. 505 501 Telangana,



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial Dist. - 505 501, Telangana (India)

## DEPARTMENT OF MECHANICAL ENGINEERING

### Registration Form

### A Two Day National Level Workshop on 3D PRINTING & ITS APPLICATIONS

15 & 16<sup>th</sup>, March 2018

Name: .....

Roll No: .....

Year/Branch: .....

College: .....

Address: .....

.....

Mobile: .....

E-Mail: .....

Signature of the Participant:

Place: .....

Date: .....

**Note:** Please note: As the seats are limited, selection of candidates will be on FIRST COME FIRST SERVE basis only.

Address for communication:

**Dr. Suresh Arjula**

Asst.Professor & Head

Department of Mechanical Engineering, JNTUHCEJ,  
Nachupally (Kondagattu), Kodimial (M), Jagtial (D),  
Telangana - 505501.

Ph.: 8309780579 / Email: arjulasuresh@jntuh.ac.in

### Chief Patron

Prof. A. Venugopal Reddy

Vice-Chancellor, JNTUH

### Patrons

Prof. A. Govardhan

Rector, JNTUH

Prof. N. Yadaiah

Registrar, JNTUH

### Chairman

Prof. N.V. Ramana

Principal, JNTUHCEJ

### Vice Chairman

Prof. S.Viswanadha Raju

Vice-Principal, JNTUHCEJ

### Convener

Dr. Suresh Arjula

Asst.Prof. & Head, Department of ME

JNTUHCEJ

### Faculty Advisor

Dr. N.V.S Raju

Professor of ME, JNTUHCEJ

### Coordinator

Dr. .Kandukuri Vasantha Kumar

Asst. Prof. of ME, JNTUHCEJ

### Student Coordinator:

1. Ramesh.K (9010337985)

2. Harika.V (9494406618).



### A Two Day National Level Workshop on 3D PRINTING & ITS APPLICATIONS

15 & 16<sup>th</sup>, March 2018



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING  
JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu) JAGTIAL (Dist)  
Telangana - 505501

A Constituent college of JNTUH- Hyderabad,  
Approved by AICTE, New Delhi  
Recognised by UGC, New Delhi

Off. Phone: 8008-103-369 | Mail: cej@jntuh.ac.in  
Web: www.jntuhcej.ac.in





# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial Dist. - 505 501, Telangana (India)

## DEPARTMENT OF MECHANICAL ENGINEERING

### About the College

JNTUH College of Engineering Jagtial (JNTUHCEJ) was established in the year 2007 as a constituent college of Jawaharlal Nehru Technological University, Hyderabad. The college is recognised by UGC under section 2(f) & 12(B) of the UGC Act, 1956. JNTUHCEJ started functioning with five Under Graduate programs viz., EEE, ME, ECE, CSE & IT. And since 2011, the college is offering five Post Graduate programs viz., EPS in EEE, ED in ME, DSCE in ECE, CSE and IT.

### About the Department

The Department of Mechanical Engineering came into existence from the inception of the college in 2007. The department offers UG programme with intake of 60 and has been adding features in its cap every year with both curricular and non-curricular activities. The department started its PG program in Engineering Design in the year 2011 with an intake of 18.

The department has state of art laboratories such as Engineering Workshop, Production Technology, Thermal Engineering, Heat & Mass transfer, Metrology, Machine Tools, Metallurgy & Material Science, Instrumentation, Fluid Mechanics & Hydraulic Machinery labs and CAD/CAM labs. The Department is having 14 Teaching, 15 Non-Teaching staff. The faculty of the department with their rich experience in Teaching and Research, authored more than 20 text books in the areas of Mechanical Engineering. Presently, the Faculty is guiding about 20 scholars for Ph.D. in various advanced fields of Mechanical Engineering and already produced 6 PhDs. The department is imparting practical knowledge in Automobile, Refrigeration, Air conditioning and other relevant areas under Re-Engineering and Reverse Engineering centre.

### Scope of the Program

3D Printing Technology has been recognized as one of the emerging technologies globally. It is breaking down all the barriers in design and manufacturing, and making what was previously impossible, possible for anyone with just a basic understanding of the technology. 3D Printing has been used as a design and prototyping tool since its inception, but the focus is now shifting to the production of functional parts and products, such as jet engine parts, hearing aids etc..

This technology is used to create a wide variety of items, including jewellery, toys, sculptures, and other artistic products. It holds the potential for disrupting existing and creating new markets, but the technology is in its relative infancy and it may be years or decades before it reaches levels of confidence comparable to what the industry has with the more familiar conventional manufacturing processes and materials.

This programme is designed to bring together a peer community focused on the latest trends, products, and real-life experience in this dynamic emerging technology.

### TOPICS TO BE COVERED

- #3D Printing: A Game Changer Technology
- #Advancements & Applications of 3D Printing
- #Concept Design for Additive Manufacturing
- #Additive Manufacturing in Medical Arena
- #Modelling & Analysis of customized cranial implants
- #Overview and Practise on CURA/Flashprint software

### Resource Persons:

**Jalagam Ravinder Rao**

Founder, MECHENGG, Hyderabad.



### Convener:

**Dr. Suresh Arjula**

Asst. Professor & Head

Department of Mechanical Engineering, JNTUHCEJ,  
Nachupally (Kondagattu), Kodimal (M), Jagtial (D),  
Telangana - 505501.

Ph.: 8309780579 / Email: arjulasuresh@jntuh.ac.in



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial Dist. - 505 501, Telangana (India)

## DEPARTMENT OF MECHANICAL ENGINEERING



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial Dist. - 505 501, Telangana (India)

## DEPARTMENT OF MECHANICAL ENGINEERING

### REPORT ON WORKSHOP

ACADEMIC YEAR 2017-18	
Name of the Department	Mechanical engineering
Name of the Event	Workshop
Title of the Event	A Two Day Workshop on 3D Printing and its Application
Resource Person	Jalagam Ravinder Rao, Founder, MECHENGG, Hyderabad
Date & Time	15 & 16 March 2018 & 11:00 AM- 05:00PM
Venue	Block II- Seminar Hall
Targetted Audience	B.Tech III & IV yr students
No. of participants	Students: 82
Objective of the Event	3D printing and its application in manufacturing field and the need of future industry requirements
Outcome of the Event	<ul style="list-style-type: none"><li>Students will be aware of 3D printing and its application.</li><li>Able to acquire skills set to work in additive manufacturing industry.</li></ul>



*Arund*  
**HEAD**  
Dept. of Mechanical Engineering  
JNTUH College of Engineering Jagtial  
Nachupally (Kondagattu), Kodimuru  
Jagtial Dist. 505 501 Telangana





# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial Dist. - 505 501, Telangana (India)

## DEPARTMENT OF MECHANICAL ENGINEERING

### IMAGE GALLERY:





**JNTUH COLLEGE OF ENGINEERING JAGTIAL**

**Nachupally (Kondagattu), Jagtial - 505 501, Telangana**

**Department of Mechanical Engineering**



## **Certificate**

*This is to certify that Mr./Ms. P. SHRAVYA (14JJ1A0344) of IV ME, JNTUHCEJ  
has participated in the "Workshop on 3D Printing & Its Applications" held on 15 & 16<sup>th</sup> March  
2018 in ABHIYAAN 2K18, organized by the Department of Mechanical Engineering, JNTUH  
COLLEGE OF ENGINEERING JAGTIAL Nachupally (Kondagattu), Jagtial Dist. -505 501,  
Telangana.*

**Dr.K Vasantha Kumar**

Co-ordinator

**Dr. Suresh Arjula**

Convener

**Dr. N.V Ramana**

Principal, JNTUHCEJ



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial - 505 501, Telangana

Department of Mechanical Engineering



## Certificate

*This is to certify that Mr./Ms. E NIKITHA (14JJ1A0317) of IV ME, JNTUHCEJ has participated in the "Workshop on 3D Printing & Its Applications" held on 15 & 16<sup>th</sup> March 2018 in ABHIYAAN 2K18, organized by the Department of Mechanical Engineering, JNTUH COLLEGE OF ENGINEERING JAGTIAL Nachupally (Kondagattu), Jagtial Dist. -505 501, Telangana.*

**Dr.K Vasantha Kumar**

Co-ordinator

**Dr. Suresh Arjula**

Convener

**Dr. N.V Ramana**

Principal, JNTUHCEJ



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial - 505 501, Telangana

Department of Mechanical Engineering



## Certificate

*This is to certify that Mr./Ms. A ANAND SAI CHAND (14JJ1A0301) of IV ME, JNTUHCEJ has participated in the "Workshop on 3D Printing & Its Applications" held on 15 & 16<sup>th</sup> March 2018 in ABHIYAAN 2K18, organized by the Department of Mechanical Engineering, JNTUH COLLEGE OF ENGINEERING JAGTIAL Nachupally (Kondagattu), Jagtial Dist. -505 501, Telangana.*

**Dr.K Vasantha Kumar**

Co-ordinator

**Dr. Suresh Arjula**

Convener

**Dr. N.V Ramana**

Principal, JNTUHCEJ





# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial - 505 501, Telangana

Department of Mechanical Engineering



## Certificate

*This is to certify that Mr./Ms. V. HARIKA (15J11A0356) of III ME, JNTUHCEJ has participated in the "Workshop on 3D Printing & Its Applications" held on 15 & 16<sup>th</sup> March 2018 in ABHIYAAN 2K18, organized by the Department of Mechanical Engineering, JNTUH COLLEGE OF ENGINEERING JAGTIAL Nachupally (Kondagattu), Jagtial Dist. -505 501, Telangana.*

**Dr.K Vasantha Kumar**

Co-ordinator

**Dr. Suresh Arjula**

Convener

**Dr. N.V Ramana**

Principal, JNTUHCEJ



# JNTUH COLLEGE OF ENGINEERING JAGTIAL

Nachupally (Kondagattu), Jagtial - 505 501, Telangana

Department of Mechanical Engineering



## Certificate

*This is to certify that Mr./Ms. P. SARIKA (14JJI A0340) of [V ME, JNTUHCEJ] has participated in the "Workshop on 3D Printing & Its Applications" held on 15 & 16<sup>th</sup> March 2018 in ABHIYAAN 2K18, organized by the Department of Mechanical Engineering, JNTUH COLLEGE OF ENGINEERING JAGTIAL Nachupally (Kondagattu), Jagtial Dist. -505 501, Telangana.*

**Dr.K Vasantha Kumar**

Co-ordinator

**Dr. Suresh Arjula**

Convener

**Dr. N.V Ramana**

Principal, JNTUHCEJ