

**ISTE Approved  
One Week  
Short Term Training Programme  
On**

**“Reverse Engineering and 3D Printing  
with Applications”  
(16<sup>th</sup> -21<sup>st</sup> July 2018)**

Registration Form

1. Full Name (in Block Letters):.....  
.....
2. Designation:.....
3. Organisation Address:.....  
.....  
.....
4. Contact No:.....
5. E-mail Id:.....  
.....
6. Registration Details:  
DD No./Cash.....  
Date Withdrawn.....  
Name of Bank.....
7. Accommodation Required: YES/NO

Applicant's  
Signature

Signature of Authority  
with Seal

**REGISTRATION FEES:**

UG/PG/Ph D Student Participant =1000/- INR  
Faculty Participant =1500/- INR  
Industry Participant=2000/-INR

**Note:**

No TA DA will be provided to the participants for attending the course. Limited accommodation available on payment basis.

**IMPORTANT DATES:**

Last Date of Registration: 12<sup>th</sup> July 2018  
Date of Confirmation: 14<sup>th</sup> July 2018.

**DATE AND VENUE:**

The Short Term Training Programme will be held during **16<sup>th</sup> to 21<sup>st</sup> July, 2018** at Computer lab, Mechanical Engineering Department, Dr. Daulatrao Aher College of Engineering, Karad.

**ADDRESS TO COMMUNICATIONS:**

**Prof. Vishal N. Gandhe**  
Co-ordinator

**Prof. Gurunath V Shinde**  
Co-coordinator

Department of Mechanical Engineering  
AGTI's Dr. Daulatrao Aher College of Engineering,  
Vidyanagar Extn. Banawadi,  
415124, Karad, Dist: Satara, Maharashtra, INDIA  
Phone: (02164) 272701/02; Fax: (02164) 272703  
E-mail for communication: sttp.dacoe@gmail.com



G.K. Gujar Memorial Charitable Trust's  
Dr. Ashok Gujar Technical Institute's  
**DR. DAULATRAO AHER COLLEGE OF  
ENGINEERING, KARAD**



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**Organized by,  
Department of Mechanical Engineering,  
Dr. Daulatrao Aher College of Engineering,  
Vidyanagar Extension,  
Banwadi, Karad, Maharashtra, India  
Contact – (02164) 272701 / 02  
Website – www.dacoe.ac.in**

### **ABOUT INSTITUTION:**

Dr. Daulatrao Aher College of Engineering, Karad was established in 2008 by Dr. Ashok G. Gujar, as part of Shri G. K. Gujar Memorial Charitable Trust's activities at Karad. The Institute is approved by the All India Council for Technical Education (AICTE) New Delhi, Directorate of Technical Education (DTE) Mumbai and Government of Maharashtra and is affiliated to Shivaji University Kolhapur. The Institute offers Undergraduate Engineering Programs in Mechanical Engineering, Electronics & Telecommunication Engineering, Civil Engineering and Computer Science & Engineering leading to B.E. Degree as per Shivaji University Curriculum.

### **ABOUT DEPARTMENT:**

Mechanical Engineering Department was established in the year 2008. The Department has a team of highly qualified and experienced faculty. Research activities at the department are progressing in the areas of feature based design, design optimization of Mechanical systems, Flexible Mechanisms, alternative fuels for IC engines, thermal energy storage and material technology. Mechanical Engineering envisaged the development, design, manufacturing and maintenance of machinery. The present age demands Mechanical Engineering specialists who have the capacity of adaptability and creativity in the new technical areas. Mechanical engineers should have knowledge not only in their own specialized fields but also in wide inter disciplinary fields as well to meet the above requirements.

### **HOW TO APPLY:**

Interested participants are requested to send, filled and duly signed registration form along with Demand Draft of course fees as applicable in favour of **“Principal, Dr. Daulatrao Aher College of Engineering, Karad”** payable at Karad in soft copy format to [sttp.dacoe@gmail.com](mailto:sttp.dacoe@gmail.com) as well as in hard copy format to given address for communications. This fee will cover tea, breakfast, and lunch. On the spot entries will be considered depending upon the availability.

### **PATRONS**

**Hon. Dr. Ashok G. Gujar**

Chairman, G. K. Gujar Memorial Charitable Trust, Karad

**Shri. Indrajit A. Gujar**

Vice Chairman, G. K. Gujar Memorial Charitable Trust, Karad

**Dr. Madhuri I. Gujar**

Secretary, Dr. Daulatrao Aher College of Engineering, Karad

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### **CONVENER**

Dr. Anwar M. Mulla

Principal, Dr. Daulatrao Aher College of Engineering, Karad (Maharashtra)

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### **CO-CONVENER**

Prof. Hanmant M. Kumbhar, Vice Principal,  
Dr. Daulatrao Aher College of Engineering, Karad (Maharashtra)

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### **ORGANIZING SECRETARY**

Prof. Hemant K. Shete  
Head, Dept. of Mechanical Engineering  
Mb.9420696944  
E-mail: [hodmechanical@dacoe.ac.in](mailto:hodmechanical@dacoe.ac.in)

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### **COURSE COORDINATOR**

Prof. Vishal N. Gandhe -Mb.9970310423  
Prof. Gurunath V. Shinde -Mb. 8446939789  
Department of Mechanical Engineering,  
E-mail: [sttp.dacoe@gmail.com](mailto:sttp.dacoe@gmail.com)

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### **ORGANIZING COMMITTEE**

|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| Mr. S. J. Mulani      | Mr. S. D. Bagade     | Mr. V. V. Rangate    |
| Mr. V. M. Jamadar     | Mr. S. J. Patil      | Mr. R. T. Waghmare   |
| Mr. V. P. Patil       | Mr. D. D. Patil      | Mr. G. S. Jadhav     |
| Mr. V. D. Yadav       | Mr. A. H. Jagdale    | Miss. S. V. Janugade |
| Mr. A. S. Suryawanshi | Miss. G. A. Yadav    | Mr. P. S. Mohite     |
| Mr. A. D. Awasare     | Miss. P. W. Salunkhe | Mr. S. A. Lawate     |
| Mr. P. S. Gunvant     | Mr. R. R. Chavan     | Mr. D. S. Chinchkar  |
| Mr. N. S. Bagal       | Mr. K. K. Bhosale    | Mr. S. A. Kalugade   |

### **ABOUT 3D PRINTING:**

3D printing is defined as the fabrication of objects through the deposition of a material using a print head, nozzle, or other printer technology which also termed as additive manufacturing (AM). It uses low cost machines that are equipped with overall functional capability. 3D Printing is used to build physical models, prototypes, patterns, tooling components and production parts with materials like plastics, metal, ceramic, glass, and composite materials. 3D Printing systems use thin, horizontal cross sections from computer-aided design (CAD) models, 3D-scanning systems, medical scanners, and video games to produce parts in about every shape imaginable.

### **COURSE OBJECTIVES:**

- To create awareness of state of art of 3D printing technology among the participants.
- To study model development process for 3D printing technology.
- To understand concept and applications of reverse engineering.
- To enhance 3D printing skills by Hands on experience using fusion 360<sup>0</sup> software.
- To motivate participant for empowerment through 3D technology for business and start up.

### **COURSE CONTENT:**

- Introduction to 3D printing technology.
- Materials used for 3D printing technology.
- Fused Deposition Modeling.
- 3D Printing Software Module.
- Working of 3D Printing.
- 3D Printing Demonstration and Hands on experience
- Troubleshooting of 3D Printer.
- Reverse Engineering
- Fusion 360<sup>0</sup>
- Applications of 3D printing
- Empowerment through 3D Printing.

### **RESOURCE PERSONS:**

Resource persons from reputed institutions and professional trainers from 3D Rio Tech. Pvt Ltd.