Objective

This Faculty Development Program (FDP) aims to enhance knowledge and skills of participants in the area of CAD / CAM To highlight the research being carried out and promote further research in these areas. To familiarize the participants with the latest tools and techniques. To introduce Micromachining, Rapid Prototyping, CAD/CAM software etc.

This FDP will teach the cloud integrated advanced 3D software package (Autodesk Fusion 360). The FDP is designed to demonstrate educators, engineers and industrial designers how to use Fusion 360 to model (free-form and parametric modeling), simulate and manufacture their designs. Participants will have opportunity to create FEA & CAM/3D printing hand on practice.

Course content

Manufacturing processes: Metal cutting, Metal Forming, Non-traditional Machining, Micromachining Manufacturing Automation: CAD/CAM/CIM, Machine Tools, Mechatronics Tools and techniques: Design of Experiments, Modelling and Optimization Rapid prototyping and Demonstration of 3D printing techniques, Advanced topics like CAD Software, Geometric Modelling, CAD Database, Manufacturing Applications, Features of some Software Packages along with relevant case studies will be covered in FDP.

Eligibility

Engineers from industry / Faculty of Degree/Diploma Engineering Institutes having interest in design and manufacturing related subjects are eligible to apply. Faculty of Mechanical/ Production/ Manufacturing/ Automobile engineering fields will be given preference.

How to Apply

Apply in registration link on or before 18-3-19. Provisional selection will be intimated by email, on receipt of which, the applicant has to send the sponsorship certificate in the attached format along with registration fee of Rs 500/-(refundable) by DD drawn in favour of “Principal, VGEC Chandkheda.”

Registration Link:
https://goo.gl/forms/qtYTnC1NMWojStJc2

Number of Participants: 40
Vishwakarma Government Engineering College (VGEC) Ahmedabad, was established in August 1994, with an objective of imparting higher education in various fields of engineering and technology. This institute is recognized by All India Council of Technical Education (AICTE), New Delhi. The college is administrated by Directorate of Technical Education, Gujarat State, Gandhinagar and is affiliated with Gujarat Technological University. VGEC shifted to its own campus at Chandkheda, Ahmedabad in the year 2004.

This Institute is located in Chandkheda which is highly developing area. The Institute campus is situated adjacent to Oil and Natural Gas Corporation, Chandkheda. Presently the institute is running 09 undergraduate and 02 postgraduate courses of engineering. This Institute is considered among few best Engineering Institutes of the state. More than 700 Engineers are passing out every year from this Institute.

### Resource Persons:

Experts from academic and research Institutes such as various IITs and NITs, Nirma, PDPU, IPR, etc. will be sharing their valuable knowledge with the participants during this one week programme. Experts from Industries will also be invited to share their knowledge and practical experience with the participants. The hands-on session will provide exposure to practical implementation.

- **Dr. R. K. Gajjar**
- **Principal-VGEC**

### Coordinator

- **Dr. Anand B. Dhruv**
- **Professor & Head Mech. Dept.**
- **hod_mech@vgecg.ac.in, M: 9428611963**

### Co-Ordinators

- **Dr. D.M. Patel/Prof K.R. Patel**
- **Mech Dept., VGEC-Chandkheda**
- **dmpatel@vgecg.ac.in 9825997934**
- **kinturpatel@gmail.com 9427604590**

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### Application Form

**One Week FDP on “Recent Trends in CAD/CAM”**

Duration: 25/03/2019 to 29/03/2019

**Name:**

**Designation:**

**Highest Qualification:**

**Institute’s Name:**

**Address:**

**Experience: (Teaching /Industry):**

**Contact Details:**

1. **Phone No.**:
2. **Email Id:**

**Demand Draft Details:**

This is to certify that Mr./Ms./Mrs._____________________________is working as a/an __________ in __________ Department of this Institute. He/She will be permitted to attend this one week oriented training programme, if selected.

**Certificate**

Authorized signatory

(Principal of the sponsoring Institute)

Stamp and Seal of the Institute