



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994) "Jnana Sangama" Belagavi-590018, Karnataka, India)

**Prof. B. E. Rangaswamy, Ph.D.**  
REGISTRAR

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REF: VTU/BGM/BOS/FDP/2023-24/ 4181

DATE:

20 NOV 2023

### CIRCULAR

**Subject** : Faculty Development Program (FDP) on Fusion 360 regarding...

**Reference** : Email of the college dated 17.11.2023

In collaboration with VTU Belagavi and Autodesk, the Department of Mechanical Engineering at the **Jain Institute of Technology, Davanagere**, is hosting a **five-day faculty development program (FDP) using Fusion 360 software**. The scheduled dates for the FDP are December 4, 2023, through December 8, 2023.

Recent Introduction to **Modelling and Design for the Manufacturing using Fusion 360** additions to the 3rd-semester syllabus include all advanced materials for the Mechanical, Industrial Production, and Robotics branches. Giving the faculty fraternity the information and abilities, they need to instruct this course to the students is essential.

All the Principals of the Engineering Colleges are hereby informed to bring the content of the circular to the notice of all faculty concerned and encourage them to participate in the FDP

Encl: Brochure of FDP

Sd/-  
Registrar

To,

1. The Principals of Constituent, Affiliated, and Affiliated Autonomous Colleges of Engineering under the ambit of the university
2. The Chairpersons/Programme Coordinators of University Departments Belagavi, Bengaluru, Kalaburagi and Mysuru

**Copy to**

- The Hon'ble Vice-Chancellor through the Secretary to VC for information
- The Registrar (Evaluation) for information and needful.
- The Chairperson BoS VTU Belagavi
- The Director, ITI, SMU VTU Belagavi for information and to make arrangements to upload the circular on the VTU web portal.
- The office copy.

Ra 20/11/23 BE  
REGISTRAR  
12/11

**REGISTRATION FORM**  
**Five Day Faculty Development Program**  
**on**

**"Introduction to Modelling and Design for the  
Manufacturing using Fusion 360 by  
AUTODESK"**

**In association with**  
**Medini Technologies**  
**AUTODESK Business partners**

**Date: 4<sup>th</sup> to 8<sup>th</sup> Dec 2023**

Name:.....

Designation:.....

Department:.....

College/Organization:  
.....

Contact Address:.....  
.....  
.....

Mobile Number: .....

E-Mail:.....

**Declaration**

All the above information are true to my knowledge and I  
will attend the FDP for the entire duration.

Signature of the Participant

**Chief Patrons**

**Dr. Chenraj Roychand**

Chairman, Jain Group of Institutions, Bangalore

**Sri Achalchand Jain**

President, Jain Group of Institutions, Davanagere

**Dr. Vidyashankar S**

Hon. Vice Chancellor, VTU, Belagavi

**Patrons**

**Dr. B.E. Rangaswamy**

Registrar, VTU, Belagavi

**Dr. T.N Sreenivasa**

Registrar (Evaluation), VTU, Belagavi

**Dr. Ganesh D B**

Principal & Director

Jain Institute of Technology, Davanagere

**Dr. Manjappa Sarathi**

Advisor, Jain Group of Institutions

**Convener**

**Dr. Rajaneesh N Marigoudar**

Professor & Head, Dept. of Mechanical, JITD

**Coordinators**

**Dr. Sreenivasa R**

Asst. Professor, Dept. of ME, JITD

**Mr. Shivayogi B H**

Asst. Professor, Dept. of ME, JITD

**Mr. Veeresh Kumar K S**

Asst. Professor, Dept. of ME, JITD

**Programme Committee**

**Dr. Madhukeshwara. N**

Dean Academics, JITD

**Dr. Ramesh R S**

Assoc.Prof., Dept. of ME, JITD

**Mr. Muralidhar S**

Asst. Professor, Dept. of ME, JITD

**Mr. Nagaraj K U**

Asst. Professor, Dept. of ME, JITD

**Mr. Madhu H T**

Asst. Professor, Dept. of ME, JITD

**Mr. Manjunath A R**

Asst. Professor, Dept. of ME, JITD

**Resource Persons:**

**Mr. Maruthi G V**

Medini Technologies, Bangalore



Arka Educational & Cultural Trust (Regd.)  
**JAIN INSTITUTE OF TECHNOLOGY**  
**DAVANAGERE**



(A Unit of Jain Group of Institutions, Bangalore)

Approved by AICTE, New Delhi, Recognized by Government of  
Karnataka, Affiliated to VTU, Belagavi



**Five Days Faculty Development Program**  
**on**

**"Introduction to Modelling and Design  
for the Manufacturing using Fusion  
360 by AUTODESK"**

(As per VTU Syllabus 2022 Scheme for 3<sup>rd</sup> Sem BMEL305)

**In association with**  
**Medini Technologies**  
**AUTODESK Business partners**



**Supported by**  
**Visveswaraya Technological  
University, Belagavi**

**Sponsored by**  
**Indian Society for Technical Education**

**Date: 4<sup>th</sup> to 8<sup>th</sup> Dec 2023**

**Organized By:**



**Department of Mechanical Engineering**  
**JIT, Davanagere**

**Venue: Auditorium**  
**Jain Institute of Technology, Davanagere**

## About Institute:

JIT is one of the best developing engineering colleges of Davanagere and is located adjacent to Pune Bangalore National Highway. It is established in the year 2011, Approved by AICTE, New Delhi, Recognized by Government of Karnataka, affiliated to VTU, Belagavi and Accredited by NBA. JIT is 7 Kms from Davanagere Railway Station. It has lush green campus spread across 16 Acres land, attached with Lake. The institute offers 6 UG programs 1 PG program among them Computer Science & Engineering, Electronics & Communication Engineering and Electrical & Electronics Engineering programs are accredited by NBA. The College has excellent infrastructural facilities that include spacious class rooms attached with tutorial rooms, Well-equipped Laboratories, Workshops, Drawing Halls, Seminar Halls, Digital Library, Staff Rooms, Computer Center, Browsing Centre with high speed internet connectivity, Girls & Boys Common Room, Canteen, Transportation and reprographic facility to the students etc, well experienced & dedicated faculty members, a strong students mentorship program.

## About Department:

Department of mechanical engineering is one of the core branches of JIT started in the year 2011. The facilities of the department are well qualified and belong to different specializations like production engineering, thermal engineering and design engineering. It provides an outstanding learning environment through various activities like innovative projects, experiential learning, peer learning, industry-institute interactions, research at UG level and hackathons. The department has various clubs through which the students carry out projects of societal, technological and environmental impact.

The presence of a dedicated Research and Development (R&D) center underscores the department's dedication to cutting-edge research, fostering industry collaboration, and pushing the boundaries of innovation.

## About Autodesk Inc.

Autodesk, Inc. is an American multinational software corporation that makes software products and services for the architecture, engineering, construction, manufacturing, media, education, and entertainment industries.

## About FDP

Engage in our upcoming Faculty Development Program (FDP) focused on "Modelling and Design for Manufacturing using Fusion 360," a newly introduced course by VTU (As per 2022 scheme). Partnering with Medini Technologies-Autodesk Business partners, and authorised AUTODESK trainers, this FDP aims to empower faculty members of VTU-affiliated institutes with cutting-edge skills in Fusion 360. Benefit from hands-on training, expert insights, and collaboration with Autodesk as academic partners, ensuring faculty readiness for delivering high-quality education in advanced design and manufacturing technologies. Join us in this transformative learning experience to enhance your expertise and stay at the forefront of technological advancements.

## Program Objectives:

The objectives of a Fusion 360 FDP are :

- To train the master trainers.
- To equip educators with proficiency in Fusion 360.
- To enable curriculum integration, improve teaching skills, encourage innovation and creativity, foster cross-disciplinary collaboration.
- To promote effective assessment and feedback practices.

## Program Outcomes:

The expected outcomes include;

- Master trainers will train their colleagues on peer learning concepts.
- Faculty proficiency in Fusion 360.
- Integration with the curriculum, effective teaching, student engagement, innovative projects, interdisciplinary collaboration.
- Strong assessment skills, and a focus on sustainability and diversity in design and engineering.

## Topics Covered and Program Schedule

### Day 1

#### After Inaugural function

**First Session:** Fusion 360 Licensing, Fusion 360 User Interface Exploration, Team management, File and Data management, Browser and Timeline exploration. **Second Session:** Profile tools, Modify tools, Operation Tools.

### Day 2

**First Session:** Create draft, Add Ribs, Holes and Threads, Mirrors etc. **Second Session:** Coil feature, Surfaces to replace faces, Surfaces to replace bodies.

### Day 3

**First session:** Use Scripts to create gears, Use McMaster-Car Parts in design. **Second Session:** Introduction Assembly, As-built joints, Motion studies etc.

### Day 4

**First session:** Introduction to Drafting, Detailed Drawing and GD&T. **Second Session:** Part Modelling of Screw jack for assembly.

### Day 5

**First session:** Continuation of Day 4 & Second Session- Assembly and Drafting of Screw jack. **Second Session:** Introduction to Animation, Rendering. Evaluation of Licensing. **Followed by Valedictory function.**

## About Registration:

- No registration fees. Maximum of Three members per College (VTU Affiliated) can be registered.
- Working Lunch will be provided. Participants are advised to bring laptop for hands-on training.
- TA/DA to be borne by the deputing colleges.
- Course material will be provided by the AutoDesk

**Last Date for Registration: 1<sup>st</sup>-Dec-2023**

**Reg. link: <https://forms.gle/dnu2hTZkrao9Cbsm8>**



## For more information, contact;

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