



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.

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REGISTRAR
2/2014

REGISTRATION FORM
Five Day Faculty Development Program
on

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

Date: 4th to 8th 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:

Experts from AUTODESK



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 3rd Sem BMEL305)

In association with



AUTODESK

Supported by

**Visveswaraya Technological
University, Belagavi**

Sponsored by

Indian Society for Technology in Education

Date: 4th to 8th 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. Autodesk prepares the next generation of innovators by providing students and educational institutions globally with increased, equitable access to professional software, in-demand skills training, lifelong learning programs, communities, and industry insights.

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 Autodesk, pioneers in software development, 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. Followed by **Project 1-** Gear reduction housing. **Second Session: Project 2-** Reciprocating Saw: Connecting Rod Design

Day 2

First session: Project 3- Reciprocating Saw: Mechanical Assembly **Second session: Project 4-** Control Box Distributed Design.

Day 3

First session: Project 5- Reciprocating Saw: Detailed Drawing and GD&T. **Second Session: Project 6-** Saw Casing Rendering/ Final Challenge.

Day 4

First session: Project 7- Innovated bottle design for sustainability Detailed Drawing and GD&T. **Second Session: Project 8-** Innovated bottle design Rendering/ Final Challenge.

Day 5

First session: Project 9- Innovated bottle design for sustainability Detailed Drawing and GD&T. **Second Session: Project 10-** Innovated bottle design Rendering **Followed by Valedictory function.**

About Registration:

- No registration fees. Maximum of Three members per college 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: 1st-Dec-2023

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



For more information, contact;

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