Faculty Development Programme for AICTE Approved & VTU Affiliated Technical Institution Teachers

**One Week
Faculty Development Programme
On
"Digital Transformation in Product Design and Manufacturing using Autodesk Fusion"**

REGISTRATION FORM

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Mobile:_____
Email:_____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the training Programme of VTU and shall attend all the sessions compulsorily.

Date: Signature of the Applicant

                  Recommended and Forwarded

Signature of the Head of the Institution

CHIEF PATRON
Dr. S. Vidyashankar
Hon'ble Vice Chancellor, VTU, Belagavi

PATRONS
Dr. B. E. Rangaswamy
Registrar, VTU, Belagavi

Dr. Sandhya R. Anvekar
Director, VTU-SDC

ORGANISERS

Er. Pradeep Kallur
Managing Director, Medini Technologies,
Autodesk Learning Partner, Bengaluru

Team Autodesk

PROGRAM COORDINATOR
Er. Maruthi G. V.
Director & Head Product Design & Manufacturing,
Medini Technologies, Bengaluru

ORGANISING COMMITTEE
Dr. Y. H. Basavarajappa
Deputy Director, VTU-SDC, Talakal

Er. Mayank Kumar Thakur
Digital Transformation Educator, Medini Technologies

Faculty Development Programme for AICTE Approved & VTU Affiliated Technical Institution Teachers

Faculty Development Programme

On

"Digital Transformation in Product Design and Manufacturing using Autodesk Fusion"
2nd to 6th September 2024
(Aligned to Subject Code- BMEL305 & 21MEL66)

Sponsored by

Organized By:
**Visvesvaraya Technological University
VTU Skill Development & PG Centre,
Talakal- 583238, Dist: Koppal**

**Venue: Medini's Eduphygital,
Center of Excellence,
VTU Skill Development and PG
Centre, Talakal**

About VTU, Belagavi:

Visvesvaraya Technological University (VTU), named after Bharat Ratna Dr. Sir M. Visvesvaraya, was established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. The University was founded by the Government of Karnataka to promote the planned and sustainable development of technical education and has its Head Office located in Belagavi, Karnataka. Recognizing the University's role as a confluence of knowledge, the Belagavi campus is aptly named "Jnana Sangama." The University has jurisdiction over the entire state and has established four regional centers for administrative convenience in Bengaluru, Mysuru, Kalaburagi, and Belagavi.

VTU is one of the most prestigious and largest technological universities in India, with one constituent college, 220 engineering colleges, and 20 autonomous colleges affiliated with it. The University offers technical education to lakhs of students through its 35 undergraduate and 94 postgraduate programs. Additionally, VTU offers doctoral programs in 865 departments across various affiliated colleges recognized as research centers. Approximately 5,000 research scholars are pursuing Doctoral and M.Sc. (Engineering) by Research programs. VTU has also established full-fledged Centers for Postgraduate Studies in Muddenahalli, Kalaburagi, Koppal, Belagavi, and Mysuru.

About the VTU Skill Development and PG Centre, Talakal, Koppal:

The Visvesvaraya Technological University, Skill Development and PG Centre, Talakal, Koppal, has campus located at Talakal (Dist. Koppal). It has all necessary infrastructure required for imparting quality education through its well-structured administrative and academic staff for overall development of student's personality.

About Autodesk Fusion:

Autodesk Fusion is a cloud-based CAD, CAM, and CAE tool for collaborative product development. Autodesk Fusion is the first 3D CAD, CAM, and CAE tool of its kind. It connects entire product development process in a single cloud-based platform that works on both Mac and Windows. Fusion offers various 3D design tools that include sketching, direct, surface, parametric, mesh, and free-form modeling, as well as rendering, PCB design integration, sheet metal, and assembly design.

About Medini Technologies, Bengaluru:

Medini® Technologies, a design services and skill-building company that emerged in 2008 delivers innovative and future-ready technology solutions in the field of Architecture, Engineering, Construction, Manufacturing, Outsourcing, Training, Industry Certification, projects and others. Together, the company is associated with high-end corporate houses and academic institutes, where it organizes training and consultation. Located in Bangalore, the company provides excellent knowledge, skill and unique innovation ideas stimulating the competitive minds of engineering, construction and architecture professionals.

Medini is an Autodesk Learning Partner. Supporting institutions PAN India. Signed an MoU with AICTE, New Delhi for Bridging Academia & Industry, which in turn support the technical institutes for skill development and internships.

Signed an MoU with Visvesvaraya Technological University, Belagavi for supporting the institutes for the software's of Autodesk & Bentley to Civil, Mechanical & its associated branches. And also set up 6 CoE to bridge industry and academia to provide latest cutting-edge technology skills & support for free internships.

Programme Objectives:

- Equip faculty members with the latest knowledge and skills in digital transformation technologies, specifically in product design and manufacturing using Fusion.
- Enhance the understanding of advanced CAD/CAM/CAE software, promoting the integration of digital tools in academic curricula.
- Demonstrate real-world applications and industry-standard practices in product design and manufacturing.
- Provide hands-on training sessions to ensure faculty can effectively utilize Autodesk Fusion for teaching and research purposes.
- Encourage innovative teaching methodologies and research initiatives.
- Establish a network of educators and industry professionals to continuously share knowledge, resources, and best practices.
  Best Practice on Classroom problems with latest technology.

Program Outcomes:

- Participants acquire proficiency in using the software's CAD, CAM, and CAE capabilities.
- Participants are able to create complex and innovative 3D designs for various products and prototypes using Autodesk Fusion intuitive tools
- Participants are capable of collaborating with others effectively on design and engineering projects.
- Participants gain the ability to simulate mechanical behavior, thermal performance, and more.
- Participants are able to generate toolpaths for CNC machines and 3D printers, enabling them to turn their digital designs into real-world physical objects using additive or subtractive manufacturing techniques.

Resource Person:
Renowned Experts from Medini Technologies.

Eligibility:
Teachers from AICTE Approved and VTU Affiliated Technical Institutes in Mechanical Engineering and allied branches can apply.
We kindly request all participants to bring their personal laptops (Mandatory), so we shall support for license.

Registration Fee: No Registration Fee

How to Apply:
Registration through Google form link –

https://forms.gle/xZeqFMGRGDxpYz4X7

Programme Timings (Each Day):

(i) First session; 10.00 AM to 1.30 PM (03:30 hours).
(ii) Lunch break: 1.30 PM to 2.30 PM (01:00 hour)
(iii) Second session: 2.30 PM to 4.30 PM (02:30 hours).

Certificate:
The certificate of participation for the faculty who registers for the programme shall be issued, provided they satisfy the attendance requirement of 85 % of the 10 sessions held during five days of the programme.

Contact for more Information:
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Er. Mayank Kumar Thakur: +91-9606671005