



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

Dr. B. E. Rangaswamy, Ph.D.

REGISTRAR

Ref: VTU/Aca/2022-23/ 2500

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Date:

16 AUG 2023

**CIRCULAR**

**FIVE DAYS Faculty Development Programme (FDP) On**  
**"Digital Transformation in Product Design and Manufacturing**

VTU Post Graduation and Skill Development Centre (VTU PGSDC) Talakal is established in year 2022 with the Vision to impart Skills and Research focused higher studies. The campus established in Talakal, Kukanur Taluk , Koppal Dist., attached to the National Highway 67 and adjacent to the Government Engineering college. Centre is 15 km away from the district head quarter and well connected by the road and railways. VTU PGSDC is offering MBA and MCA programmes from the academic year 2023-24.

This lush green campus is spread across 22 acres having an excellent infrastructure such as Administrative block, Research centre, Valuation centre, Staff quarters, Guest house and separate Hostels for the boys and girls students, Campus is also having the facilities like Health center, Post office, bank, Library etc., Eduphygital centre of excellence (CoE) is established at VTU post graduate and skill development centre Talakal. To promote the CoE activities and to educate the faculty members on Auto desk FUSION 360 (Software tool which gives a complete solutions for product design, modeling and analysis of Mechanical components), a FIVE DAYS Faculty Development Programme (FDP) on "Digital Transformation in Product Design and Manufacturing" is planned from 21<sup>st</sup> – 25<sup>th</sup> August 2023. FDP is planned jointly by VTU and Medini Technologies.

**Important dates and Notes about FDP:**

FDP Date	21 <sup>st</sup> – 25 <sup>th</sup> August 2023
Last date for the registration	19 <sup>th</sup> August 2023
Maximum participants for FDP	40
Registration fees	Nil
Registration link	<a href="https://forms.gle/w9fiSiKhJm5LGyd27">https://forms.gle/w9fiSiKhJm5LGyd27</a>
Requirements	1. Participants must bring their own laptop as Licensed software will be installed to your laptop free of cost valid for one year. 2. Please bring your own Bedsread and Blankets considering personal hygiene

Yours faithfully,

  
REGISTRAR

P. S. R. S. I.

To,

The Principals of all Engineering Colleges affiliated and the constituent Engineering College, VTU, Belagavi.

Copy to: The In-charge , ITISUM, VTU, Belegavi to upload on the website

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

One Week  
Faculty Development Programme  
On  
“Digital Transformation in Product  
Design and Manufacturing”

21st to 25th August 2023

**REGISTRATION FORM**

Name: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

\_\_\_\_\_

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

**Declaration by the Applicant**

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. T. N. Sreenivasa**  
Registrar (Evaluation), VTU, Belagavi

**Mrs. Sapana M. A.**  
Finance Officer, VTU, Belagavi

**AUTODESK TEAM**

**Dr. Ramesh Shankar**  
Senior Program Manager  
Autodesk India

**Er. John Peros**  
Manager,  
Global Channel Enablement  
Autodesk, California, US

**Mr. Richard Kastler**  
Partner Success Manager, TD Symex  
Autodesk Value Added Distributor  
Bengaluru

**Er. Pradeep Kallur**  
MD, Medini Technologies,  
Autodesk Learning Partner,  
Bengaluru

**ADVISORY COMMITTEE**

**Dr. S. B. Dandagi**  
Regional Director, PG Center, VTU, Belagavi

**Dr. Y. H. Basavarajappa**

Special Officer, VTU/PG & Skill Development Centre, Talakal, Dist. Koppal

**PROGRAM COORDINATOR**

**Er. Abhinandan Kabbur**  
Director & Head Product Design & Manufacturing,  
Medini Technologies, Bengaluru

**ORGANISING COMMITTEE**

- Dr. Virupaxi Bagodi, Principal, GFC, Talakal
- Dr. Venkatesh M. Kulkarni, Chairman, Dept. Mech. Engg. VTU, Belagavi
- Dr. R. R. Malagi, Professor, Dept. Mech. Engg. VTU, Belagavi
- Dr. Poornima G Patil, Special officer, Academic, VTU Belagavi
- Dr. S. L. Nadaf, Associate Professor & Head, Dept. of Mechanical Engg
- Dr. Vishalagouda S. Patil, Asst. Professor & Dept. of Mechanical Engg

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

Faculty Development Programme  
On  
“Digital Transformation in Product  
Design and Manufacturing”

21<sup>st</sup> to 25<sup>th</sup> August 2023



Sponsored by



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

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

#### **About VTU, Belagavi:**

Visvesvaraya Technological University (VTU) named after Bharat Raha Dr. Sir M. Visvesvaraya established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education and has its Head Office located in Belagavi in the state of Karnataka. Reckoning the fact that, University is a seat of confluence of knowledge and as a technological University, Visvesvaraya Technological University does not restrict itself only to curricular activities but also emphasizes on the overall growth of knowledge in society and hence its campus in Belagavi is named aptly as "Jnana Sangama". The University has jurisdiction over the whole state of Karnataka. VTU has established four regional centers at Bengaluru, Mysuru, Kalburgi and Belagavi for administrative convenience. VTU is one of the prestigious and largest technological Universities in the India having one Constituent College, 220 Engineering colleges and 20 Autonomous Colleges.

VTU is imparting technical education to more than a lakh student under its 35 Undergraduate & 94 Postgraduate Programmes. VTU is offering Doctoral Programmes in 865 departments in various affiliated Colleges which have been recognized as research centers. Around 5000 Research Scholars are pursuing for Doctoral and M.Sc. (Engineering) By Research Programmes. VTU has established full-pledged Centers for Post Graduate Studies at Muddenahalli, Kalburgi, Koppal, Belagavi and Mysuru.

#### **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. Medini Technologies also has an MoU with AICTE, New Delhi for Bridging Academia & Industry, which in turn support the technical institutes for skill development and internships.

We also 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.

#### **About the VTU PG & Skill Development Centre,**

##### **Talakkal, Koppal:**

The Visvesvaraya Technological University, PG and Skill Development Centre, Talakkal, Koppal, has 22 acres campus located at Talakkal (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. Center for PG Studies has two full time post graduate Programmes in MBA and MCA.

#### **About Autodesk Fusion 360:**

Fusion 360 is a cloud-based CAD, CAM, and CAE tool for collaborative product development. Autodesk Fusion 360 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 360 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.

#### **Programme Objectives:**

- Fusion 360 enables users to create 3D models of objects, parts, or assemblies with precision and ease. Its intuitive interface allows designers to sketch, sculpt, and modify designs to bring their ideas to life.
- Fusion 360 utilizes parametric modeling techniques, which means the dimensions and features of the model are linked together with relationships. This allows for easy design changes and updates throughout the design process.
- Fusion 360 is a cloud-based software, promoting real-time collaboration and teamwork. Multiple users can work on the same project simultaneously, making it easy to share designs, feedback, and updates.
- Engineers can simulate and analyze how their designs will behave under various conditions, such as stress, heat, vibration. This helps identify potential design flaws, optimize performance, and ensure product reliability.
- Fusion 360 seamlessly integrates CAD and CAM functionalities, allowing designers to generate toolpaths for manufacturing directly from their 3D models. This ensures a smooth transition from design to production.

#### **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 Fusion 360's 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 Pvt. Ltd.

#### **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, so we shall support for one year license.

#### **Registration Fee:**

No Registration Fee

#### **How to Apply:**

Registration through Google form link -

<https://forms.gle/w9f5iSikM5LGYdZ7>

#### **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 80 % of the 10 sessions held during five days of the programme and secure 60 % of the maximum marks (100) prescribed for formative evaluation and summative evaluation.

#### **Contact for more Information:**

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Er. A. S. Kabbur: +91-8971721005