Date: 17.02.2023.

To

Vice Chancellor,

APJ Abdul Kalam Technological University

CET Campus, Thiruvananthapuram Kerala -695016.

Respected Sir,

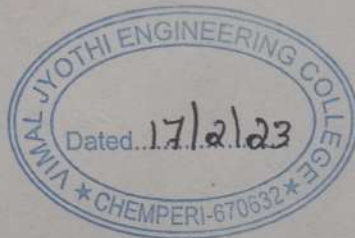Greetings

SUB: Review of feedback from faculty, Alumni, Employer and Professional members about curriculum as per regulation 2019 Reg.

As per the feedback received from various stakeholders' like faculty, Alumni, Employer and professional members, the following topics may be included in the new regulation.

- Machine Learning and Deep Learning concepts and industrial based applications may be included in the Computer Science Syllabus.

- Data Analytics Laboratory using Python Programming or Business Analytics Laboratory using Business Intelligent tools may be included in the syllabus.

- Need to focus more on advanced practicals than focusing on theory subjects.

- A syllabus should always meet industry requirements. It should be revised on this basis.

Kindly request you to consider the same and that can be included in the forthcoming regulations.
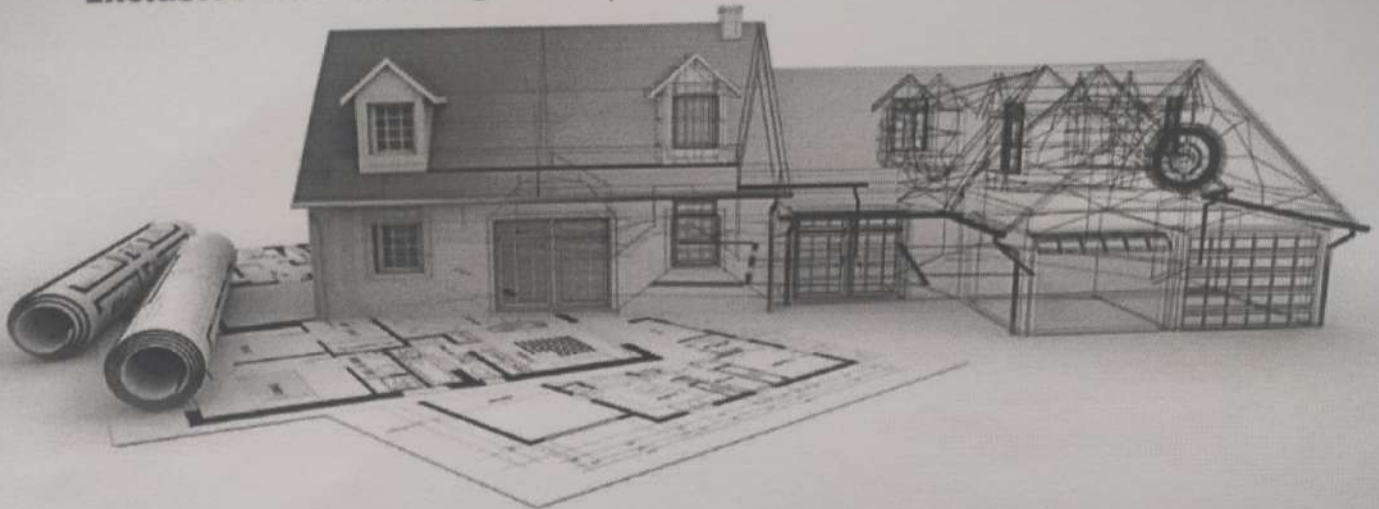
Thanking You,

PRINCIPAL

**PRINCIPAL
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670 632**

(Seal: VIMAL JYOTHI ENGINEERING COLLEGE, Dated 17/2/23, CHEMPERI-670632)

ESSENTIALS OF BUILDING DRAFTING

Exclusive Add-on Program for First Year Civil Engineering Students

Building Information Modeling (BIM), the generation's technology redefines the future of Construction Industry. BIM helps the industry to Plan, Coordinate and collaborate the construction process to attain Energy Efficient Buildings.

BIM carries the effective solutions for latest industrial requirements like Global Warming, Green building concepts, Reduction of Carbon Elements, Time, Cost & Resource management etc.

For being the Bridge between Academia and Industry, **BIMLABS** Developed a Short term curriculum which can effectively provide a foundation in Civil Engineering Design.

Essentials of Building Drafting is a perfect blending of Industry standards, Building Rules, Conventional CAD Drafting Methods and latest BIM Documentation.

Course Objectives.

- How to Plan a building with Building Rules.
- Preparation of the Site Plan.
- Plan a building from the Site Plan
- Introduction to AutoCAD & Drafting Tools
- Creating Plan, Section and Elevation.
- Preparation of an Approval/Sanction Drawing
- Calculating Plinth Area, Floor Area, Carpet Area, Plot Area, FAR, Coverage.
- Setting a Drawing Sheet
- Introduction to Building Information Modeling
- Overview of Revit Architecture.
- Modeling a Building in Revit
- Building Documentation with Revit.

Duration: 6 DAYS (40 Hrs.)

Key Tools:
AutoCAD 2019
Revit 2019
A360 Tools

Certification:

A
AUTODESK
CERTIFIED USER

& Autodesk Course Certificate for Essentials of Building Drafting

AUTODESK.
Learning Partner

BIMLABS
weaving a new generation.

9745268888 | 8589891177

@bimlabs.in | FB: @bimlabs.in | www.bimlabs.in

Annexure 1: Training Delivery Plan (TDP) of BIM training for KTU faculty

Training Objective:

- Introduction to Digital Project Management
- Skill Gap identification of 2D drafting
- Understanding the BIM fundamentals
- Overview of BIM Concepts, Principles and workflow
- Proficiency in Software for 3D BIM Modelling and Visualization
- Awareness of 4D and 5D BIM Modelling

Training schedule

Summary of BIM training for KTU faculty (Hour wise)		Training Hrs	
Sl No	Knowledge Area	Offline	Online
		36	24
1	Introduction to Project Management	4	
2	Introduction to BIM Project Management	3	
3	Introduction to BIM Overview of BIM Concepts and Principles:	4	
4	AutoCAD - Assessment	3	
5	Advanced Modeling Techniques, Awareness of 4D and 5D BIM Modeling	22	24
	Total Hrs	60 Hours	

Detailed TDP of Batch 1 - BIM training for KTU Faculty - Offline

Day	Date	9.00am to 10.40am		10.50am to 01.00pm	Tea Break (10.40am to 10.50am)	1.30pm to 3.30pm	Lunch Break (01.00pm to 1.30 pm)	3.40pm to 5.00pm	Tea Break (3.30 pm to 3.40 pm)
Monday	27-Nov-2023	Inaugural Ceremony	Introduction to Project Management	Introduction to Project Management		Introduction to BIM Project Management		Introduction to BIM Project Management	
			IIIC Faculty	IIIC Faculty		IIIC Faculty		IIIC Faculty	
Tuesday	28-Nov-2023	Introduction to BIM Overview of BIM concepts and principles		Introduction to BIM Overview of BIM concepts and principles		AutoCAD Assessment		AutoCAD Assessment	
		IIIC Faculty		IIIC Faculty		IIIC Faculty		IIIC Faculty	
Wednesday	29-Nov-2023	Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization	
		IIIC Faculty		IIIC Faculty		IIIC Faculty		IIIC Faculty	
Thursday	30-Nov-2023	Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization	
		IIIC Faculty		IIIC Faculty		IIIC Faculty		IIIC Faculty	
Friday	1-Dec-2023	Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization		Fundamentals of 3D BIM Modeling and Visualization	
		IIIC Faculty		IIIC Faculty		IIIC Faculty		IIIC Faculty	

Detailed TDP of Batch 1 - BIM training for KTU Faculty - Online

Date & Time	Area of Training	Total Hrs
2nd to 16th Dec 2023 10.00am to 12.00pm (12days -2Hrs/day)	Advanced Modeling Techniques, Awareness of 4D and 5D BIM Modeling	24
	IIIC Faculty	
*Holidays considered-3rd , 9th and 10th December 2023		

Reg:-BIM Training for Students

3 messages

jd academics <jdacademics@ktu.edu.in>   Fri, Feb 16, 2024 at 12:23 PM
Bcc: vimaljyothi@ktu.edu.in

Dear Sir/Madam,
Greetings from APJ Abdul Kalam Technological University (KTU)!

I am pleased to inform you that the University has successfully provided training to 29 faculty members of affiliated colleges in Building Information Modelling (BIM) in collaboration with the Indian Institute of Infrastructure and Construction (IIIC).

As outlined in the Memorandum of Understanding (MoU) signed between KTU, the college, and the participants, the following responsibilities have been established:

1.The college and faculty shall impart training in Building information Modelling to the students of the Civil Engineering and Architecture Engineering departments of the college.

2. The college and the faculty shall be responsible for establishing and maintaining a training facility in the college on a permanent basis for imparting training to the students of the Civil Engineering and Architecture Engineering departments of the college.

With the completion of faculty training, the next crucial step is to initiate the process of providing training to the students.

To facilitate this process, the system hardware specifications required are as follows:

1. Intel i5 / Ryzen 5 latest generation processor.
2. 16 GB RAM, 60 GB Disk Space.
3. 4 GB graphics card.
4. SSD disk.
5. 64 Bit Windows 10/11 operating system.
6. Monitor resolution of 1282 x 1024 with true color recommended.

In light of the above, colleges are kindly requested to complete the attached Google Form regarding the availability of facilities for BIM training for students. Kindly, submit the google form by 19.02.2024. The google form can be accessed using the official mail id of college with **.ktu.in** extension.

Link to Google form:

https://docs.google.com/forms/d/e/1FAIpQLSefBb0SJMjQQo4TDuGvpqwX
PIJvfTmSQ075sTf5Uoio9Rtqxw/viewform?usp=sf_link

Thank you for your attention to this matter. Should you have any questions or require further clarification, please do not hesitate to contact us.

Warm regards,

Thanks, and Regards

Dr. Bejoy Abraham

APJ Abdul Kalam Technological University
Thiruvananthapuram.

VIMALJYOTHI ENGINEERING COLLEGE Admin <vimaljyothi@ktu.edu.in>   Fri, Feb 16, 2024 at 12:40 PM
To: deanacademic@vjec.ac.in, bennyjoseph <bennyjoseph@vjec.ac.in>

Regards
Dr. Benny Joseph
Principal
Vimal Jyothi Engineering College, Chemperi
0460 2213399, 9048292767
[Quoted text hidden]

VIMALJYOTHI ENGINEERING COLLEGE Admin <vimaljyothi@ktu.edu.in>   Wed, Feb 28, 2024 at 11:39 AM
To: ramithat@vjec.ac.in

[Quoted text hidden]

From: **jd academics** <jdacademics@ktu.edu.in>

Date: Fri, Feb 16, 2024 at 12:23 PM

Subject: Reg:-BIM Training for Students

To:

Dr. Benny Joseph

Principal

Vimal Jyothi Engineering College, Chemperi

0460 2213399, 9048292767

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Warm regards,

Thanks, and Regards

Dr. Bejoy Abraham
Joint Director (Academics)
APJ Abdul Kalam Technological University
Thiruvananthapuram.