

APJ Abdul Kalam Technological University
Thiruvananthapuram

Abstract

APJAKTU-Academics-List of Approved MOOC Courses for B.Tech Minor in Engineering (B.Tech 2019 Regulations)-
Orders issued-Reg.

ACADEMIC SECTION

U.O.No. 2097/2021/KTU

Thiruvananthapuram, Dated: 15.12.2021

*Read:-*1. Rule R.11.5 of B.Tech 2019 Regulations.

2. U.O.No.1988/2021/KTU Dated: 27.11.2021

3. U.O.No.2009/2021/KTU Dated 01.12.2021

4. U.O.No.2034/2021/KTU Dated 04.12.2021

5. List of Minor MOOC Courses recommended by the various Board of Studies

ORDER

Vide paper read as (1) above, students registering for the B. Tech Degree with **Minor** programme can earn 8 credits by undergoing 2 Massive Open Online Courses (MOOC) relevant to the concerned subjects in the respective minor basket offered by agencies namely AICTE/ NPTEL/ SWAYAM/ NITTTR with the recommendation by the Board of studies and approval of the Academic Council.

Vide University Orders read as (2) to (4) above, 223 nos. of MOOCs that can be registered by the students of B.Tech (2019 Scheme), to earn credits for **Minor** Programme, were approved.

Vide paper read as (5) above, Various Board of Studies, after verifying the syllabus content and duration of the courses, has recommended to approve **8 Massive Online Open Courses**.

Considering the urgency, sanction has been accorded by the Vice Chancellor to approve the list of 8 MOOC Courses offered by agencies namely AICTE/ NPTEL/ SWAYAM/ NITTTR that can be registered by the students of **B.Tech Minor in Engineering** Programme to earn credits, as appended herewith (*refer attachment*), subject to reporting and ratification of the matter in the Academic Council .

Students will not be permitted to register for MOOCs other than those approved and published by the University, to earn credits for their Honours / Minor.

Orders are issued accordingly.

Sd/-

Dr. Sadiq A. *
Dean (Academic)

Copy to:-

1. All affiliated Institutions.
2. IT(section) for updating s/w and to publish in the website.
3. PS to VC & PVC, Dean (Acad)
4. JR(Acad) / JD(Acad) / Section
- 5.. SF / FC.



Forwarded / By Order

Section Officer

* This is a computer system (Digital File) generated letter. Hence there is no need for a physical signature.





List of Approved MOOC Courses for B.Tech Minor in Engineering

CIVIL ENGINEERING

SL. No	Course	Course Code	Course Type	Duration	Offering Platform	B.Tech Regulation	Course Institution	Remarks
BASKET-1 STRUCTURAL ENGINEERING & CONSTRUCTION TECHNOLOGY								
1	Advanced Concrete Technology	CEM100	MINOR MOOC	12 Weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Madras	
2	Principles Of Construction Management	CEM101	MINOR MOOC	8 weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Kanpur	
3	Safety In Construction	CEM102	MINOR MOOC	8 weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Delhi	
4	Development And Application Of Special Concrete	CEM103	MINOR MOOC	8 weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Kanpur	
5	Construction Methods And Equipment Management	CEM104	MINOR MOOC	8 weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Guwahati	
6	Maintenance And Repair Of Concrete Structures	CEM105	MINOR MOOC	12 Weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Madras	
7	Mechanics of Solids	CEM106	MINOR MOOC	12 Weeks	NPTEL/ SWAYAM	B.Tech 2019 Regulation	IIT Kanpur	



List of Approved MOOC Courses for B.Tech Minor in Engineering

COMPUTER SCIENCE AND ENGINEERING

SL. No	Course	Course Code	Course Type	Duration	Offering Platform	B.Tech Regulation	Course Institution	Remarks
BASKET-2 MACHINE LEARNING								
1	Introduction to Machine Learning	CSM201	MINOR MOOC	12 WEEKS	SWAYAM/ NPTEL	B.Tech Regulation 2019	IIT Madras	