

**APJ Abdul Kalam Technological University  
Thiruvananthapuram**

**Abstract**

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

---

*ACADEMIC SECTION*

U.O.No. 3169/2022/KTU

Thiruvananthapuram, Dated: 30.12.2022

---

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

2. U.O.No.2286/2022/KTU Dated: 16.09.2022

3. 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 subjects concerned 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.

By the issuance of University Order read as (2) above, a total of 285 nos. of Massive Open Online Courses (MOOC) that can be registered by the students of B.Tech (2019 Scheme), to earn credits for **Minor** Programme, have been approved.

Vide paper read as (3) above, various Boards of Studies, after verifying the syllabus content and duration of the courses, have recommended to approve **8 numbers of Massive Online Open Courses.**

Considering the urgency, sanction has been accorded by the Vice Chancellor to approve the list of **8 Massive Open Online Courses** (MOOCs) 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 by 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 Minor.

Orders are issued accordingly.

*Sd/-*

Dr. VINU THOMAS \*

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 Course for B Tech MECHANICAL ENGINEERING**

**B Tech Minor 2019 Regulations**

Sl No	Course	Course Code	Course Type	B Tech Regulations	Duration	Offering Platform	Course Institution
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>							
<b>BASKET II</b>							
1	POWER PLANT ENGINEERING	EEM218	Minor MOOC	2019 Regulations	8 weeks	NPTEL/SWAYAM	IIT ROORKEE
2	INTRODUCTION TO SMART GRID	EEM219	Minor MOOC	2019 Regulations	8 weeks	NPTEL/SWAYAM	IIT ROORKEE
3	SOLAR ENERGY ENGINEERING AND TECHNOLOGY	EEM220	Minor MOOC	2019 Regulations	12 weeks	NPTEL/SWAYAM	IIT GUWAHATI
<b>MECHANICAL ENGINEERING</b>							
<b>BASKET III</b>							
1	PRINCIPLES OF INDUSTRIAL ENGINEERING	EEM306	Minor MOOC	2019 Regulations	12 weeks	NPTEL/SWAYAM	IIT ROORKEE
2	FUNDAMENTALS OF ADDITIVE TECHNOLOGIES	EEM307	Minor MOOC	2019 Regulations	12 weeks	NPTEL/SWAYAM	IIT GUWAHATI
3	ADVANCES IN WELDING AND JOINING TECHNOLOGIES	EEM308	Minor MOOC	2019 Regulations	12 weeks	NPTEL/SWAYAM	IIT GUWAHATI
4	ADVANCED MACHINING PROCESS	EEM309	Minor MOOC	2019 Regulations	12 weeks	NPTEL/SWAYAM	IIT GUWAHATI
<b>COMPUTER SCIENCE AND ENGINEERING</b>							
<b>BASKET III</b>							
1	INTRODUCTION TO INTERNET OF THINGS	CSM206	Minor MOOC	2019 Regulations	12 weeks	NPTEL/SWAYAM	IIT KHARAGPUR

