



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

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File Ref.No.KTU/ASST6(ACADEMIC)/237/2023

APJ Abdul Kalam Technological University Thiruvananthapuram

Abstract

APJAKTU - Academic - M. Tech 2022 Regulations - CE1, CE4, ME1 and ME6 - MOOC Approval - Resolution of the Academic Council - Implemented - Orders Issued - reg

ACADEMIC SECTION

U.O.No. 1338/2024/KTU

Thiruvananthapuram, Dated: 06.05.2024

- Read:-*1. Minutes of the meeting of the Board of Studies (Civil Engineering) held on 06/02/2024.
2. Minutes of the meeting of the Board of Studies (Mechanical Engineering) held on 10/02/2024.
3. The minutes of the Twenty Fifth Meeting of the Academic Council held on 23/04/2024, item no. 025.03.02

ORDER

Vide paper read as 1 above, the **Board of Studies (Civil Engineering)** recommended an additional list of courses (attached h/w) to be included as MOOC for the M. Tech streams CE1 (Structural Engineering and Construction Management, Construction Engineering and Management) and CE4 (Structural Engineering, Computer Aided Structural Engineering), 2022 Regulations.

Vide paper read as 2 above, the **Board of Studies (Mechanical Engineering)** recommended an additional list of courses (attached h/w) to be included as MOOC for the M. Tech streams ME1 (Machine design) and ME6 (Propulsion Engineering) 2022 Regulations.

The recommendations of the Board of Studies (Civil Engineering) and the Board of Studies (Mechanical Engineering) were placed before the Academic Council for approval. Vide paper read as 3 above, the meeting of the Academic Council resolved that all MOOCs recommended by the Board of Studies concerned will be approved.

Sanction is accorded by the Vice Chancellor to implement the resolution of the Academic Council in approving all MOOCs recommended by the Board of Studies concerned.



Additional List of approved MOCOs for the M. Tech streams CE1, CE4, ME1 and ME6 are attached as annexures.

Orders are issued accordingly.

Sd/-

Dr. VINU THOMAS *
Dean (Academic)

Copy

to:-
1.Principals of KTU Affiliated Colleges
2.PS to VC
3.PA to Dean Academic/Controller of Examination/ Registrar
4.Director Academics
5.JD(IT)/Academics
6.JD,KSAD

Forwarded / By Order

Assistant Registrar

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



Additional list of MOOC for CE1 (Structural Engineering and Construction Management, Construction Engineering and Management)

SI No	Course Code	Course Name	Course Institution	Offering Platform	Duration	Remarks
1	223MCE097	Maintenance and Repair of Concrete Structures	IIT Madras	NPTEL	12 Weeks	
2	223MCE098	Bridge Engineering	IIT ISM	NPTEL	12 Weeks	
3	223MCE099	Rock Mechanics and Tunneling	IIT Kharagpur	NPTEL	12 Weeks	
4	223MCE100	Modern Construction Materials	IIT Madras	NPTEL	12 Weeks	
5	223MCE101	Applied Seismology for Engineers	IIT Guwahati	NPTEL	12 Weeks	
6	223MCE102	Safety in construction	IIT Delhi	NPTEL	8 Weeks	

Additional list of MOOC for CE4 (Structural Engineering, Computer Aided Structural Engineering)

SI No	Course Code	Course Name	Course Institution	Offering Platform	Duration	Remarks
1	223MCE103	Soil Structure Interaction	IIT Kharagpur	NPTEL	12 Weeks	
2	223MCE104	Advanced Foundation Engineering	IIT Kharagpur	NPTEL	12 Weeks	
3	223MCE105	Earthquake Resistant Design of Foundations	IIT Roorkee	NPTEL	8 Weeks	



Additional list of MOOC for ME1 (Machine Design)

SI No	Course Code	Course Name	Course Institution	Offering Platform	Duration	Remarks
1	223MME155	Design Practice -II	IITK	NPTEL	8 Weeks	
2	223MME156	Robotics (Interdisciplinary)	IITKGP	NPTEL	8 Weeks	
3	223MME157	Laser Based Manufacturing	IITG	NPTEL	8 Weeks	
4	223MME158	Dynamic Behavior of Materials	IITG	NPTEL	12 Weeks	
5	223MME159	Vibrations of Plates and Shells	IISc	NPTEL	12 Weeks	
6	223MME160	Automation in Manufacturing (Interdisciplinary)	IITG	NPTEL	12 Weeks	
7	223MME161	DeepLearning (Interdisciplinary)	IITRopar	NPTEL	12 Weeks	
8	223MME162	Introduction to Machine Learning (Interdisciplinary)	iITM	NPTEL	12 Weeks	



Additional list of MOOC for ME6 (Propulsion Engineering)

SI No	Course Code	Course Name	Course Institution	Offering Platform	Duration	Remarks
1	223MME163	Fundamentals of Supersonic and Hypersonic Flow	IITKGP	NPTEL	12 Weeks	
2	223MME164	Heat Transfer and Combustion in Multiphase Systems	IISc	NPTEL	8 Weeks	
3	223MME165	Turbulent Combustion: Theory and Modelling	IITK	NPTEL	12 Weeks	
4	223MME166	Viscous Fluid Flow	IITG	NPTEL	12 Weeks	

