File Ref.No.KTU/DIRECTOR(ACADEMIC)/3031/2019

APJ Abdul Kalam Technological University
Thiruvananthapuram

Abstract

APJAKTU - Additional list of 24 Massive Open Online Courses (MOOC) - Approved - Orders issued - Reg.

ACADEMIC SECTION

U.O.No. 835/2021/KTU   Thiruvananthapuram, Dated: 29.05.2021

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*Read:-*1. U.O. No. 419/2019/KTU Dated 24.10.2019.

2. Circular No. KTU/Director(Acad)/3031/2019 Dated 25.01.2020.

3. U.O. No. 1229/2020/KTU Dated 03.09.2020.

4. U.O. No. 1243/2020/KTU Dated 08.09.2020.

5. U.O. No. 424/2021/KTU Dated 08.03.2021.

6. U.O.No. 531/2021/KTU Dated 23.03.2021.

7. U.O.No. 532/2021/KTU Dated 23.03.2021.

8. List of MOOCs recommended by the various Board of Studies

ORDER

Vide paper read as (1) above, orders were issued for approving 47 Massive Open Online Courses (MOOC) conducted by various reputed Institutions.

Vide paper read as (2) above, approved list of 136 MOOCs, including 47 MOOCs approved vide University Order read as (1) above was circulated.

Vide papers read as (3) to (6) above, orders were issued to approve 301 MOOCs conducted by various reputed institutions. Accordingly a total of 437 MOOCs were approved by the University.

Vide paper read as (7) above, orders were issued, cancelling the approval of two MOOCs included in the paper read as (2) above. Accordingly the total number of approved MOOCs were reduced to 435.

Vide paper read (8) above, various Board of Studies, after verifying the syllabus and duration of the courses, has recommended to approve **24 Massive Online Open Courses**, in addition to the existing approved list of MOOC courses read above.

Sanction has been accorded by the Vice Chancellor for the approval of the

additional list of **Twenty Four MOOC Courses** offered by reputed Institutions/ Organisations, as appended herewith, that can be registered by the students of B.Tech (Honours) 2015 regulations to earn credits, subject to reporting to the Academic Council.

Orders are issued accordingly.

Sd/-

Dr. Sadiq A. *

Dean (Academic)

Copy
to:-   1. Principals of all affiliated colleges.

2. AD(IT), to be published in the website and s/w updation.

3. PS to VC / PVC, CE, Dean(Acad).

4. 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.

SL. No	Course	Code	Course Type	Duration	Offering Platform	B.Tech Regulation	Course Institution	Remarks
APPLIED ELECTRONICS & INSTRUMENTATION / ELECTRONICS & INSTRUMENTATION								
1	Programming in Java	OCAE06	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Kharagpur	
2	Introduction to Industry 4.0 and Industrial Internet of things	OCAE07	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Kharagpur	
3	Introduction to robotics	OCAE08	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Madras	
4	Introduction to Fuzzy Set Theory, Arithmetic and Logic	OCAE09	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Delhi	
CHEMICAL ENGINEERING								
1	Environmental Quality Monitoring and Analysis	OCCH34	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Madras	
2	Chemical Process Safety	OCCH35	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Roorkee	
3	Polymer Reaction Engineering	OCCH36	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Roorkee	
COMPUTER SCIENCE AND ENGINEERING								
1	Computational Geometry	OCCS32	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITD	If the student has not taken CS461 Computational Geometry as an elective course.
2	GPU Architectures and Programming	OCCS33	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT KGP	
3	Computational Complexity Theory	OCCS34	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITK	
4	Randomized Methods in Complexity	OCCS35	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITK	
5	Essentials of Data Science With R Software - 1: Probability and Statistical Inference	OCCS36	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITK	If the student has not taken CS466 Data Science as an elective course.
6	Essentials of Data Science With R Software - 2: Sampling Theory and Linear Regression Analysis	OCCS37	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITK	If the student has not taken CS466 Data Science as an elective course.
7	Computer Vision and Image Processing-fundamentals and applications	OCCS38	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Guwahati	If the student has not taken CS362 Computer Vision as an elective course
8	Artificial Intelligence: Knowledge Representation and Reasoning	OCCS39	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITM	if not taken as elective
9	Randomized methods in complexity	OCCS40	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Kanpur	
10	Deep Learning For Visual Computing	OCCS41	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Kharagpur	
	Virtual Reality Engineering	OCCS42	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IITM	
	ss analysis and data mining Modeling using	OCCS43	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Roorkee	

INDUSTRIAL ENGINEERING

1	Continuous Quality Improvement :Tools and Techniques	OCIE11	MOOC	12 Weeks	SWAYAM	B.Tech Regulation 2015	Quality Council of India	
2	Consumer Buyer Behaviour	OCIE12	MOOC	12 Weeks	SWAYAM	B.Tech Regulation 2015	L.N. Welingkar Institute of Management Development & Research	

MECHANICAL ENGINEERING

1	Aircraft Propulsion	OCME49	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Guwahati	
2	Computational I Fluid Dynamics For Incompressible Flows	OCME50	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Guwahati	
3	Financial Mathematics	OCME51	MOOC	12 Weeks	NPTEL	B.Tech Regulation 2015	IIT Roorkee	