University College of Engineering
(AUTONOMOUS)

OSMANIA UNIVERSITY, HYDERABAD – 500 007.

No. 1414 /Admin./UCE/2022   Date: 19-07-2022

CIRCULAR

It is hereby informed to all the students that the list of courses recognised by respective Department Chairperson Board of Studies (Autonomous) from the courses offered by SWAYAM-NPTEL for the July — December 2022 semester is herewith enclosed and uploaded in the college website i.e., www.uceou.edu . From the above recognised course list students have to register in the SWAYAM NPTEL website (https://swayam.gov.in/nc_details/NPTEL), with prior permission from their respective Department CBoS Autonomous. **Credit transfer will be allowed only to those BE VIII semester students who are pursuing their full-time internship in recognised companies** and the subject/subjects they intend to register should not be studied by them in their previous semesters. However, other interested students may register for improving their personal profile.

The respective CBoS Autonomous has to send a copy of the list of BE VIII Semester students who registered for Swayam NPTEL courses to Director of Evaluation, Examination Cell, UCE, OU and SPOC, Swayam NPTEL, UCE, OU.

Students are also advised to select a subject equivalent to their graduating degree i.e., **UG/PG** and as per the credit requirements. Generally, for 4 **weeks, 8 weeks and 12 weeks course 1, 2 and 3 credits** are offered respectively. They have to register for various courses under University College of Engineering, Osmania University Local chapter **(ID:2110)** for getting official recognition of the certificates. Also, it may be noted that there is no makeup or supplementary examination for Swayam NPTEL courses. All the Heads of the departments are requested to display the recognised course list in their respective departments. The last date for registration for first set of NPTEL courses is **01-08-2022** and second set is various NPTEL courses is **22-08-2022**. Students are informed that the information provided here is only tentative and are advised to visit Swayam NPTEL website for exact information for various details like last date of registration, number of credits etc. The registration process is explained in the attached flow chart.

Principal

Copy to: 1. Dean, Faculty of Engineering, OU
          2. Director CDACC, UCE, OU
          3. Vice Principal, UCE, OU
          4. Head & CBoS (Aiitonmous) CSE, ECE, EEE, BME, CIVIL and MECH. Engg.
          5. Director of, Examination Cell, UCE, OU
          6. Dr. L. Siva Rama Krisluta, SPOC, Local Chapter, NPTEL, UCE, OU
          7. Dr. N. Susheela, PRO, UCE, OU
          8. Dr. J. Upender, TPO, UCE, OU

REGISTERATION PROCESS OF SWAYAM NPTEL COURSES BY STUDENTS OF UCE OU

(For Credit Transfer)

Select the required subjects from the recognised course list given by the corresponding CBoS (Autonomous) of various dept.'s available in the college website www.uceou.edu

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Write a Letter to the CBoS (Autonomous) seeking permission to register the subjects selected in the previous step from SWAYAM NPTEL Portal

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Once the above Letter is approved by the corresponding CBoS (Autonomous) submit the copy of the approved letter to corresponding HOD's, Director of Evaluation, UCE, OU and SPOC NPTEL, UCE, OU

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Then visit the SWAYAM NPTEL Website https://swayam.gov.in/nc_details/NPTEL for registering the courses

Note: The student has to write a letter addressed to CBoS (Autonomous) of the respective departments mentioning the details of the subjects that he has chosen from the recognised course list available in the college website. Then the letter has to be approved by CBoS and once the CBoS signs then send the scanned of it to Director of Evaluation, Exam cell, UCE, OU email id and SPOC, UCE, OU email id. Then register for the course in SWAYAM-NPTEL Website.
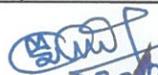
Name	Designation, Branch	Email id
Dr. Srinivas Medi	CBoS BME	medisrinivas@gmail.com
Prof. Sreedhar MVS	CBoS Civil Engg.	sreedgteou@gmail.com
Mr. S. Srinivas Rao	CBoS CSE	ssrinivas.s@uceou.edu
Prof.P.Naveen Kumar	CBoS ECE	drnaveenkumarp9@osmania.ac.in
Dr.Ch. Siva Kumar	CBoS EEE	ch_siva_kumar@rediffmail.com
Prof.M.Chandrasekhar Reddy	CBoS MED	mcsreddy@osmania.ac.in
Prof. P. Chandrasekhar	Director of Evaluation, Exam cell, UCE OU	doe_uce@osmania.ac.in
Prof. L.Siva Rama Krishna	SPOC NPTEL, UCE, OU	sivaramakrishna.l@uceou.edu

Department of Biomedical Engineering
University College of Engineering
Osmania University, Hyderabad – 500 007

Recognised Course List of Dept. of BME, UCE, OU for
JULY-DECEMBER 2022 SWAYAM-NPTELCourses

Sl.No	Course Id	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Preofessional/Open Elective	Credits
1	noc22-bt34	Biotechnology and Bioengineering	Medical Image Analysis	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
2	noc22-bt35	Biotechnology and Bioengineering	Genome Editing and Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
3	noc22-bt41	Biotechnology and Bioengineering	Drug Delivery: Principles and Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
4	noc22-bt45	Biotechnology and Bioengineering	Fundamentals of micro and nanofabrication	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
5	noc22-bt51	Biotechnology and Bioengineering	Transport Phenomena in Biological Systems	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
6	noc22-cs67	Computer Science and Engineering	Artificial Intelligence : Search Methods For Problem solving	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Professional Elective	3
7	noc22-cs125	Computer Science and Engineering	Design & Implementation of Human-Computer Interfaces	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
8	noc22-de11	Design Engineering	Introduction to robotics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
9	noc22-ee76	Electrical and Electronics Engineering	Fabrication Techniques for MEMs-based sensors : clinical perspective	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Professional Elective	3
10	noc22-ee77	Electrical and Electronics Engineering	Electronic Systems for Cancer Diagnosis	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3

CHAIRPERSON
BOARD OF Studies

Sl.No	Course Id	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Prefessional/Open Elective	Credits
11	noc22-ee87	Electrical and Electronics Engineering	Introductory Neuroscience & Neuro-Instrumentation	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
12	noc22-ee96	Electrical and Electronics Engineering	Mathematical Aspects of Biomedical Electronic System Design	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
13	noc22-mg108	Management	Human Factors Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
14	noc22-ge21	Multidisciplinary	Neuroscience of Human Movements	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Professional Elective	3
15	noc22-ee88	Electrical and Electronics Engineering	Fiber Optic Communication Technology	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
16	noc22-ee106	Electrical and Electronics Engineering	Introduction to Photonics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
17	noc22-ee119	Electrical and Electronics Engineering	Pattern recognition and Application	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
18	noc22-hs87	Humanities and Social Sciences	Patent Law for Engineers and Scientists	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
19	noc22-mg81	Management	Entrepreneurship	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
20	noc22-mg105	Management	Soft Skills For Business Negotiations A	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
21	noc22-ma40	Mathematics	Essential Mathematics For Machine Learning	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
22	noc22-ma41	Mathematics	Mathematical Methods and its Applications	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
23	noc22-ma51	Mathematics	Integral Transforms And Their Applications	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
24	noc22-ma52	Mathematics	Introduction to Methods of Applied Mathematics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3

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Board OF Studies

Sl.No	Course Id	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Prefessional/Open Elective	Credits
25	noc22-ma69	Mathematics	Foundations of R Software	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
26	noc22-ma81	Mathematics	Introduction to Probability Theory and Statistics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
27	noc22-me71	Mechanical Engineering	Fundamentals of manufacturing processes	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
28	noc22-me74	Mechanical Engineering	Rapid Manufacturing	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
29	noc22-me83	Mechanical Engineering	Engineering Fracture Mechanics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
30	noc22-me84	Mechanical Engineering	Engineering Mechanics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective	3
31	noc22-me122	Mechanical Engineering	Fundamentals of Additive Manufacturing Technologies	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
32	noc22-ge22	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective	3
33	noc22-cs73	Computer Science and Engineering	Introduction to Machine Learning	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
34	noc22-cs76	Computer Science and Engineering	Deep Learning for Computer Vision	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
35	noc22-cs89	Computer Science and Engineering	Computer Vision	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective	3
36	noc22-cs90	Computer Science and Engineering	Cryptography And Network Security	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
37	noc22-cs92	Computer Science and Engineering	Data Structure And Algorithms Using Java	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective	3
38	noc22-cs96	Computer Science and Engineering	Introduction To Internet Of Things	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective	3

CHAIRPERSON
Board OF Studies

Sl.No	Course Id	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Prefessional/Open Elective	Credits
39	noc22-cs98	Computer Science and Engineering	Natural Language Processing	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
40	noc22-cs102	Computer Science and Engineering	Programming In Java	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective	3
41	noc22-cs103	Computer Science and Engineering	Programming In Modern C++	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
42	noc22-cs104	Computer Science and Engineering	Real-Time Systems	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3
43	noc22-cs124	Computer Science and Engineering	Deep Learning - IIT Ropar	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective	3

30/06/2022

CHAIRPERSON
Board Of Studies
Dept. Of. ████, UCE. OU.

DEPARTMENT OF CIVIL ENGINEERING
UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)
OSMANIA UNIVERSITY, HYDERABAD – 500 007
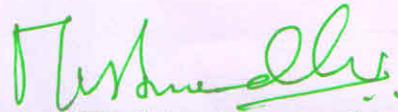E-Mail: headcivil29@gmail.com; Phone No. 040-27097125

Recognised Course List of CIVIL ENGG. Dept., UCE, OU for JULY-DECEMBER 2022 SWAYAM-NPTEL Courses

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course enrolment ends	Level (UG/PG)	Core/ Elective	Credits
noc22-ce102	Civil Engineering	Environmental Geomechanics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core	3
noc22-ce62	Civil Engineering	Underground Space Technology	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-ce87	Civil Engineering	Earthquake Geology:A tool for Seismic Hazard Assessment	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core	3
noc22-ce104	Civil Engineering	Sustainable Transportation systems	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-mg78	Management	Organizational Behaviour	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core/ Elective	3
noc22-ge29	Multidisciplinary	Fundamentals Of Artificial Intelligence	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3

PROFESSOR
Department of Civil Engineering
University College of Engineering
(Autonomous)
Osmania University, Hyderabad-500 007.

(Dr. MVSS)
BoS (A), CED.

noc22-oe03	Ocean Engineering	Dynamics of Ocean Structures	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-ge22	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
noc22-ce64	Civil Engineering	Introduction to Engineering Seismology	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ce70	Civil Engineering	Introduction To Multimodal Urban Transportation Systems (MUTS)	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ce78	Civil Engineering	Advanced Geomatics Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Core	3
noc22-ce79	Civil Engineering	River Engineering	8 weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-ce83	Civil Engineering	Optimization methods for Civil engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ce97	Earth Sciences	Global Navigation Satellite Systems And Applications	4 weeks	Jul 25, 2022	Aug 19, 2022	Aug 1, 2022	UG/PG	Elective	1
noc22-mg80	Management	Managerial Skills for Interpersonal Dynamics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3

PROFESSOR
Department of Civil Engineering
University College of Engineering
(Autonomous)
Osmania University, Hyderabad-500 007.

[Dr. MVSS]
B.o.S (A), CED.

										2
noc22-mg87	Manage ment	Descriptiv e Statistics With R Software	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Electi ve		
noc22-mg105	Manage ment	Soft Skills For Business Negotiatio ns And Marketing Strategies	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Electi ve		3
noc22-ge24	Multidisc iplinary	Introductio n to Biomimicr y	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Electi ve		2
noc22-oe04	Ocean Engineer ing	Computer Methods Of Structural Analysis Of Offshore Structures	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Core		3
noc22-oe07	Ocean Engineer ing	Numerical Ship and Offshore Hydrodyn amics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Electi ve		3

Signature of CBoS (Autonomous)

Dept. Name: CED

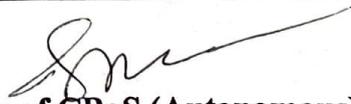**UCE(A), OSMANIA UNIVERSITY**

PROFESSOR
Department of Civil Engineering
University College of Engineering
(Autonomous)
Osmania University, Hyderabad-500 007.

Department of Computer Science & Engineering
University College of Engineering
Osmania University, Hyderabad – 500 007

Recognised Course List of CSE Dept., UCE, OU for
JULY-DECEMBER 2022 SWAYAM- NPTEL Courses

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course enrolment ends	Level (UG/PG)	Core / Elective	Credits
noc22-cs61	Computer Science and Engineering	Software Testing	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Prof. Elective-VII	3
noc22-cs81	Computer Science and Engineering	Parameterized Algorithms	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Prof. Elective-VII	3
noc22-cs104	Computer Science and Engineering	Real-Time Systems	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Prof. Elective-VII	3
noc22-cs109	Computer Science and Engineering	C-Based VLSI Design	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Prof. Elective-VIII	3
noc22-cs120	Computer Science and Engineering	Statistical learning for Reliability Analysis	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Prof. Elective-VIII	3
noc22-cs121	Computer Science and Engineering	Social Networks	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Prof. Elective-VIII	3
noc22-mg90	Management	Automation in Production Systems and Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective-III	3
noc22-mg113	Management	Security Analysis & Portfolio Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective-III	
noc22-ge21	Multidisciplinary	Neuroscience of Human Movements	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective-III	
noc22-ge26	Multidisciplinary	Learning Analytics Tools	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Open Elective-III (Offered to Non-CSE)	3
noc22-cs82	Computer Science and Engineering	Getting Started with Competitive Programming	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Open Elective-III(Offered to Non-CSE)	3

CHAIRMAN
Board of Studies in CSE (A)   Signature of CBoS (Autonomous)
Dept. of Computer Science & Engg.   Dept. Name: CSE, UCE(A), OU
College Of Engg., O.U. Hyderabad

Course Id	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Core/ Elective	Credits
RECOGNISED COURSE LIST DEPT OF ECE									
noc22-ee71	Electrical and Electronics Engineering	Design of photovoltaic systems	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee72	Electrical and Electronics Engineering	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Core	3
noc22-ee75	Electrical and Electronics Engineering	Enclosure design of electronics equipment	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee76	Electrical and Electronics Engineering	Fabrication Techniques for MEMs-based sensors : clinical perspective	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Elective	3
noc22-ee77	Electrical and Electronics Engineering	Electronic Systems for Cancer Diagnosis	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee78	Electrical and Electronics Engineering	Basics of software defined Radios	4 weeks	Jul 25, 2022	Aug 19, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee85	Electrical and Electronics Engineering	Introduction to Wireless and Cellular Communications	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-ee86	Electrical and Electronics Engineering	Image Signal Processing	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3

noc22-ee87	Electrical and Electronics Engineering	Introductory Neuroscience & Neuro-Instrumentation	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee88	Electrical and Electronics Engineering	Fiber Optic Communication Technology	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee96	Electrical and Electronics Engineering	Mathematical Aspects of Biomedical Electronic System Design	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee99	Electrical and Electronics Engineering	Real-Time Digital Signal Processing	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee102	Electrical and Electronics Engineering	Signal Processing for mm Wave communication for 5G and beyond	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core	3
noc22-ee103	Electrical and Electronics Engineering	Microwave Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	
noc22-ee104	Electrical and Electronics Engineering	System Design Through VERILOG	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-ee106	Electrical and Electronics Engineering	Introduction to Photonics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ee108	Electrical and Electronics Engineering	An introduction to Coding Theory	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-ee119	Electrical and Electronics Engineering	Pattern recognition and Application	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3

noc22-ee124	Electrical and Electronics Engineering	Digital Control in Switched Mode Power Converters and FPGA-based Prototyping	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	
noc22-ee125	Electrical and Electronics Engineering	VLSI Interconnects	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-mg57	Management	Marketing Management - I	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG	Elective	2
noc22-mg58	Management	Managing Services	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	PG	Elective	2
noc22-mg59	Management	Data Analysis & Decision Making - III	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-mg60	Management	Project Management	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG	Elective	2
noc22-mg62	Management	Decision-Making Under Uncertainty	4 weeks	Aug 22, 2022	Sep 16, 2022	Aug 22, 2022	UG/PG	Elective	1
noc22-mg64	Management	Cost Accounting	4 weeks	Jul 25, 2022	Aug 19, 2022	Aug 1, 2022	UG/PG	Core/Elective	1
noc22-mg65	Management	Management Accounting	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Core	3
noc22-mg66	Management	Working Capital Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg67	Management	Business Analytics & Data Mining Modeling Using R Part II	4 weeks	Jul 25, 2022	Aug 19, 2022	Aug 1, 2022	UG/PG	Elective	1

noc22-mg68	Management	Business Analytics & Text Mining Modeling Using Python	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG	Elective	2
noc22-mg70	Management	Marketing research and analysis	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Core/Elective	2
noc22-mg71	Management	Project management for managers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Elective	3
noc22-mg72	Management	Services Marketing : Integrating People, Technology, Strategy	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	PG	Elective	2
noc22-mg73	Management	Innovation, Business Models and Entrepreneurship	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2
noc22-mg74	Management	Operations and supply chain management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg75	Management	Design Thinking - A Primer	4 Weeks	Aug 22, 2022	Sep 16, 2022	Aug 22, 2022	UG/PG	Elective	1
noc22-mg76	Management	Game Theory	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG	Elective	2
noc22-mg77	Management	Strategy: An Introduction to game Theory	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-mg78	Management	Organizational Behaviour	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core/Elective	3

noc22-mg79	Management	The Future of Manufacturing Business: Role of Digital Technologies	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-mg80	Management	Managerial Skills for Interpersonal Dynamics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg82	Management	Product and Brand Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg83	Management	Quantitative Investment Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg84	Management	Organization Development and Change in 21st Century	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-mg85	Management	Business and Sustainable Development	4 weeks	Aug 22, 2022	Sep 16, 2022	Aug 22, 2022	UG/PG	Elective	1
noc22-mg87	Management	Descriptive Statistics With R Software	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2
noc22-mg88	Management	Strategic Management for Competitive Advantage	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core	3
noc22-mg89	Management	Strategic Management – The Competitive Edge	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	PG	Elective	2
noc22-mg90	Management	Automation in Production Systems and Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3

noc22-mg92	Management	Corporate Finance	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-mg93	Management	Customer Relationship Management	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	PG	Elective	2
noc22-mg94	Management	Decision Support System For Managers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-mg95	Management	Ethics In Engineering Practice	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2
noc22-mg97	Management	Industrial Safety Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-mg99	Management	Knowledge Management	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG	Elective	2
noc22-mg100	Management	Management Information System	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Core	3
noc22-mg101	Management	Patent Search and Analysis	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2
noc22-mg103	Management	Principles Of Human Resource Management	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2
noc22-mg104	Management	Principles Of Management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Core	3
noc22-mg105	Management	Soft Skills For Business Negotiations And Marketing Strategies	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg106	Management	Decision Modeling	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	UG/PG	Elective	2
noc22-mg107	Management	Strategic Sales Management	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2

noc22-mg108	Management	Human Factors Engineering	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-mg109	Management	Introduction to Marketing Essentials	8 Weeks	Jul 25, 2022	Sep 16, 2022	Aug 1, 2022	PG	Elective	2
noc22-ge22	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
noc22-ge28	Multidisciplinary	Solar Energy Engineering and Technology	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
noc22-ge29	Multidisciplinary	Fundamentals Of Artificial Intelligence	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
noc22-ge30	Multidisciplinary	Vacuum Technology & Process Application	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3

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DEPARTMENT OF ELECTRICAL ENGINEERING, UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)
OSMANIA UNIVERSITY: HYDERABAD-500 007

Recognized Course list of Department of Electrical Engineering, UCE,OU

JULY-DECEMBER 2022 SWYAM – NPTEL Courses

Course ID	Discipline	Course name	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/Elective	Credits
Noc22-ee69	Electrical and Electronics Engineering	Electromagnetic Theory	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Elective	3
Noc22-ee71	Electrical and Electronics Engineering	Design of Photovoltaic Systems	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
Noc22-ee81	Electrical and Electronics Engineering	DC Micro grid and Control Systems	8 weeks	Jul 25, 2022	Sept 16, 2022	Aug 1, 2022	PG	Elective	2
Noc22-ee82	Electrical and Electronics Engineering	Introduction to Smart Grid	8 weeks	Jul 25, 2022	Sept 16, 2022	Aug 1, 2022	UG/PG	Core/Elective	2
Noc22-ee94	Electrical and Electronics Engineering	Fundamentals of Electric Drives	8 weeks	Jul 25, 2022	Sept 16, 2022	Aug 1, 2022	PG	Elective	2
Noc22-ee98	Electrical and Electronics Engineering	Advances in UHV Transmission and Distribution	8 weeks	Jul 25, 2022	Sept 16, 2022	Aug 1, 2022	UG/PG	Elective	2
Noc22-ee99	Electrical and Electronics Engineering	Real-Time Digital Signal Processing	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Elective	3
Noc22-ee101	Electrical and Electronics Engineering	Power System Protection	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
Noc22-ee110	Electrical and Electronics Engineering	Digital Circuits	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
Noc22-ee111	Electrical and Electronics Engineering	Electrical Machines	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
Noc22-cs67	Computer Science and Engineering	Artificial Intelligence Search Methods for Problem Solving	12 weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Elective	3

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.Dept. of Electrical Engineering,
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Osmania University.

Department of Mechanical Engineering

University College of Engineering

Osmania University, Hyderabad – 500 007

Recognised Course List of Mech. Engg. Dept., UCE, OU for
JULY-DECEMBER 2022 SWAYAM- NPTELCourses

S. No.	Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course enrolment ends	Level (UG/PG)	Core/Elective	Credits
1.	noc22-mg71	Management	Project management for managers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Elective	3
2.	noc22-mg74	Management	Operations and supply chain management	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
3.	noc22-mg87	Management	Descriptive Statistics With R Software	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG/PG	Elective	2
4.	noc22-mg111	Management	Stress Management	4 Weeks	Aug 22, 2022	Sep 16, 2022	Aug 22, 2022	UG/PG	Elective	1
5.	noc22-me77	Mechanical Engineering	Foundations of Cognitive Robotics	4 weeks	Jul 25, 2022	Aug 19, 2022	Aug 1, 2022	PG	Elective	1
6.	noc22-me84	Mechanical Engineering	Engineering Mechanics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
7.	noc22-me89	Mechanical Engineering	Computational Fluid Dynamics using Finite Volume Method	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
8.	noc22-me98	Mechanical Engineering	Elements of Solar Energy Conversion	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
9.	noc22-me104	Mechanical Engineering	Energy Conservation And Waste Heat Recovery	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3

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10.	noc22-me112	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Core/Elective	3
11.	noc22-me116	Mechanical Engineering	Computational Continuum Mechanics	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	PG	Elective	3
12.	noc22-me117	Mechanical Engineering	Mathematical Modeling of Manufacturing Processes	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG/PG	Elective	3
13.	noc22-ge19	Multidisciplinary	Teaching And Learning in General Programs: TALG	4 weeks	Jul 25, 2022	Aug 19, 2022	Aug 1, 2022	PG	Elective	1
14.	noc22-ge22	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	Jul 25, 2022	Oct 14, 2022	Aug 1, 2022	UG	Core	3
15.	noc22-ge23	Multidisciplinary	Introduction to Research	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	PG	Elective	2
16.	noc22-ge27	Multidisciplinary	Accreditation And Outcome Based Learning	8 Weeks	Aug 22, 2022	Oct 14, 2022	Aug 22, 2022	UG	Elective	2

Signature of CBoS (Autonomous)

Dept. Name: Mech., UCE(A), OU

UCE, OSMANIA UNIVERSITY