



University College of Engineering

(AUTONOMOUS)

OSMANIA UNIVERSITY, HYDERABAD – 500 007.

No. **719** /Admin./UCE/2026

Date: **25** -07-2026

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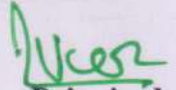
CIRCULAR

It is hereby informed to all the BE & ME Regular 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 2026** 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 V semester students who have opted for Minor or Honours courses, BE VII Semester & ME III Semester students who went for Industry Internship forwarded by the Principal, UCE, OU.** The subject/subjects they intend to register should not be studied by them in their previous semesters. However, other interested students may also register for improving their personal profile.

The respective CBoS Autonomous has to send a copy of the list of BE V Semester Minor & Honours students, BE VII Semester & ME III Semester students who registered for Swayam NPTEL courses, to Principal, UCE, OU, 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 **Set 1(4 & 8 Weeks) and 12 weeks course** is **27-07-2026** and under **Set 2(4 & 8 Weeks)** is **17-08-2026**. 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.

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


Principal
PRINCIPAL
Univ. College of Engg.(A)
Osmania University

**Department of Civil Engineering
University College of Engineering
Osmania University, Hyderabad – 500 007**

**Recognised Course (REGULAR / Working Professional)
List of Civil Engineering Dept., UCE, OU for
JULY-DECEMBER 2026 SWAYAM- NPTEL Courses**

Course ID	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Core/Elective	NPTEL ID	Credits
noc26- ce100	Civil Engineering	Remote Sensing and GIS	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Core	105103193	3
noc26- ce101	Civil Engineering	River Engineering	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	105103204	3
noc26- ce102	Civil Engineering	Finite Element Method and Computational Structural Dynamics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105107209	4
noc26- ce103	Civil Engineering/Earth quake Engineering	Earthquake Geotechnical Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105107225	4
noc26- ce104	Civil Engineering/Earth Sciences	Plate Tectonics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105107224	4
noc26- ce106	Civil Engineering	Environmental Chemistry	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105107176	4
noc26- ce107	Civil Engineering	Sustainable Transportation systems	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105107210	4
noc26- ce108	Civil Engineering	Environmental Modeling and Simulation	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105107217	4
noc26- ce109	Civil Engineering	Pavement Materials (Under Pavement Engineering)	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105107219	4
noc26- ce110	Civil Engineering	Advanced Geomatics Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105107218	4

noc26- ce111	Civil Engineering	Underground Space Technology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105107216	4
noc26- ce112	Civil Engineering	Geometric Design of Highways	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105107220	4
noc26- ce113	Civil Engineering	Introduction to Engineering Seismology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105108204	4
noc26- ce114	Geoscience/Earth Sciences	Principles of Stratigraphy	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105101732	
noc26- ce115	Civil Engineering	Remote Sensing: Principles and Applications	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105101206	4
noc26- ce116	Civil Engineering	Geotechnical Engineering - II	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105101216	4
noc26- ce117	Civil Engineering	Environmental Geomechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105101200	4
noc26- ce118	Civil Engineering	Dynamics of Structures	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105101209	4
noc26- ce120	Civil Engineering	Geosynthetics and Reinforced Soil Structures	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105106052	4
noc26- ce121	Civil Engineering/Geology/Engineering Geology/Environmental Engineering/Environmental Science/Geography/Management	Sustainable Groundwater Management	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105106694	4
noc26- ce123	Civil/ Structural Engineering	Advanced Reinforced Concrete Design	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105106224	4
noc26- ce124	Civil Engineering	Admixtures And Special Concretes	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105106225	4
noc26- ce127	Civil Engineering, Earth Sciences	Introduction to Sequence Stratigraphy	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105107710	4

noc26- ce128	Civil Engineering	Mechanics of Solids - IITK	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105104160	4
noc26- ce129	Civil Engineering	Structural Geology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105104191	4
noc26- ce132	Civil Engineering	Advanced Structural Analysis	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105690	4
noc26- ce133	Civil Engineering	Computational Geomechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105691	4
noc26- ce135	Civil Engineering	Mechanics of Materials	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105106172	4
noc26- ce136	Civil Engineering	Bridge Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105216	4
noc26- ce137	Civil Engineering	Introduction to Multimodal Urban Transportation Systems (MUTS)	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105204	4
noc26- ce138	Civil Engineering	Rock Mechanics and Tunneling	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105212	4
noc26- ce139	Civil Engineering	Ground Improvement	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105210	4
noc26- ce140	Civil Engineering	Wastewater Treatment and Recycling	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105178	4
noc26- ce141	Civil Engineering	Geoengineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105464	4
noc26- ce142	Civil Engineering	Integrated Waste Management for a Smart City	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105105160	4
noc26- ce143	Civil engineering/Applied Geophysics	Earthquake Seismology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105105225	4
noc26- ce144	Civil Engineering/Earth Sciences	Engineering Geology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105105226	4

noc26- ce146	Civil Engineering	Soil Mechanics/Geotechnical Engineering I	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105105168	4
noc26- ce147	Civil Engineering	Foundation Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105105176	4
noc26- ce148	Civil Engineering	Design of Steel Structures	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105105162	4
noc26- ce149	Civil Engineering	Design of Reinforced Concrete Structures	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105105105	4
noc26- ce150	Civil Engineering	Geotechnical Earthquake Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105224	4
noc26- ce151	Civil Engineering	Structural Dynamics: Theory and Computation	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105102688	4
noc26- ce152	Civil Engineering	Subsurface Exploration: Importance and Techniques Involved	8 Weeks (Rerun) + 4 Weeks (New)	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105103182	
noc26- ce153	Civil Engineering	Municipal Solid Waste Management	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105103205	4
noc26- ce154	Civil Engineering	Reliability-Based Structural Design	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105103224	4
noc26- ce155	Civil Engineering	Mechanics of Solids - IITG	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105103684	4
noc26- ce156	Civil Engineering	Blast and Impact Resistant Structures	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105103687	4
noc26- ce157	Civil Engineering	Pavement Construction Technology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105103685	4
noc26- ce158	Civil Engineering	Optimization Methods for Civil Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105103210	4
noc26- ce159	Civil Engineering	Fluid Mechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	105103192	4

noc26-ce160	Civil Engineering/Earth Sciences	Remote Sensing for Natural Hazard Studies	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	105103692	4
noc26-ce161	Civil Engineering	Fire Protection, Services and Maintenance Management of Buildings	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105102176	4
noc26-ce162	Civil Engineering	Sustainable Materials and Green Buildings	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	105102195	4
noc26-ce163	Civil Engineering - Construction Management	Introduction to Lean Construction - Module II: Advanced Concepts and Tools	4 Weeks	Aug 17, 2026	Sep 11, 2026	Aug 17, 2026	UG/PG	Elective	105106006	2
noc26-ce83	Civil Engineering, Mechanical Engineering and Aerospace Engineering	Advanced Plasticity of Solid Continua	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105108001	4
noc26-ce84	Civil Engineering	Wave Propagation through Periodic Structures and Metamaterials	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105102001	4
noc26-ce87	Civil Engineering, Environment, Ecology, Data Science and Artificial Intelligence	Statistical and Machine Learning Methods: Basics and Applications	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	105105001	4
noc26-ce88	Civil Engineering	Meshfree Methods and Peridynamics for Fracture Mechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	105105002	4
noc26-ce89	Civil Engineering	Strength and Deformation Characteristics of Soils	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	105105003	4
noc26-ce93	Civil Engineering	Global Navigation Satellite Systems and Applications	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Elective	105107194	2

noc26-ce94	Civil Engineering	Geotechnical Engineering Laboratory	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Core	105101160	2
noc26-ce95	Civil Engineering	Introductory Field Structural Geology	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG	Core	105104216	2
noc26-ce96	Civil Engineering	Project Planning & Control	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Elective	105106149	3
noc26-ce97	Civil Engineering	Principles of Construction Management	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Core	105104161	3
noc26-ce98	Civil Engineering/Earth Sciences	Earth Sciences for Civil Engineering (Hindi)	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Core	105104224	3
noc26-ce99	Civil Engineering	Sustainable Engineering Concepts and Life Cycle Analysis	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	105105157	3
noc26-ge101	Multi-disciplinary primarily for Mechanical, Electrical, Aerospace and Chemical engineering streams	Intelligent Feedback and Control	4 Weeks	Aug 17, 2026	Sep 11, 2026	Aug 17, 2026	UG/PG	Core	127101530	2
noc26-ge104	Multi-disciplinary (students of all engineering specializations and practicing professionals, including policy makers, will find the course useful)	Introduction to Infrastructure Asset Management	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG/PG	Elective	127104777	3

noc26-ge106	Multidisciplinary	Accreditation and Outcome Based Learning	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG	Elective	127105017	3
noc26-ge47	Multidisciplinary	Nonlinear Dynamics and Chaos	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	127106013	4
noc26-ge58	Multidisciplinary	Technical Communication for Engineers	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Core	121107451	2
noc26-ge60	Multidisciplinary	Making Learning Engaging Through Interactive Games	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Elective	127106533	2
noc26-ge61	Multidisciplinary	Teaching and Learning in General Programs: TALG	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	PG	Elective	127108015	2
noc26-ge69	Multidisciplinary	OBE and Accreditation	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	127108780	4
noc26-ge70	Multidisciplinary	Instruction for Good Learning	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	127108781	4
noc26-ge72	Multidisciplinary	Learning Analytics Tools	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	106101224	4
noc26-ge74	Multidisciplinary	Bandit Algorithm (Online Machine Learning)	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	110101145	4
noc26-ge75	Multidisciplinary	Rural Water Resources Management	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	105101215	4
noc26-ge77	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	127106019	4
noc26-ge79	Multidisciplinary	Research Methodology	8 Weeks (Rerun) + 4 Weeks (New)	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	121106007	
noc26-ge85	Multidisciplinary	Machine Learning for Core Engineering Disciplines	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	127108778	4

noc26-ge92	Multidisciplinary	Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	127103225	4
noc26-ge93	Multidisciplinary	Fundamentals of Artificial Intelligence	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	112103280	4



R. Jeyaraj



CHAIRPERSON
Board of Studies (Autonomous)
Dept. of Civil Engineering
University College of Engineering
Osmania University, Hyderabad-7

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

Recognised Course (REGULAR / Working Professional)

JULY-DECEMBER 2026 SWAYAM- NPTEL Courses

Course ID	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG/PG	Core/Elective	Credits
noc26-me105	Mechanical Engineering	Microfluidics and Microsystems	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-me113	Mechanical Engineering	Product Design Using Value Engineering	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Elective	1
noc26-me116	Mechanical Engineering	Foundations of Cognitive Robotics	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	PG	Elective	1
noc26-me117	Mechanical Engineering	Principles of Vibration Control	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Elective	1
noc26-me120	Mechanical Engineering	Mechanics and Control of Robotic Manipulators	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
noc26-me122	Mechanical Engineering	Principles of Metal Forming Technology	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Core	2
noc26-me123	Mechanical Engineering	Power Plant Engineering	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Core	2
noc26-me124	Mechanical Engineering	Refrigeration and Air-conditioning	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Core	2

noc26-me125	Mechanical Engineering	Introduction to Mechanical Vibration	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Elective	2
noc26-me126	Mechanical Engineering	Basics of Finite Element Analysis - I	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
noc26-me127	Mechanical Engineering	Robotics	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Core	2
noc26-me128	Mechanical Engineering	Welding Application Technology	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Core	2
noc26-me129	Mechanical Engineering	Steam Power Engineering	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Core	2
noc26-me131	Mechanical Engineering	Convective Heat Transfer	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me132	Mechanical Engineering	Fundamentals of Acoustics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-me133	Mechanical Engineering, Electronics and Electrical Engineering	Design of Mechatronic Systems	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me134	Mechanical Engineering	Solid Mechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me135	Mechanical Engineering	Thermodynamics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3
noc26-me137	Mechanical Engineering	Strength of Materials	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me138	Mechanical Engineering	Advanced Fluid Mechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	3
noc26-me139	Mechanical Engineering	Microrobotics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3

noc26-me140	Mechanical Engineering	Engineering Fracture Mechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me141	Mechanical Engineering, Chemical Engineering	Sustainable Energy Technology	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me142	Mechanical/Chemical engineering	Engineering Thermodynamics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me143	Mechanical/Chemical/Aerospace	Theory of Fire Propagation (Fire Dynamics)	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-me145	Mechanical Engineering	Explosions and Safety	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me149	Mechanical Engineering	Work System Design	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-me150	Mechanical Engineering	Material Processing (Metallurgical Aspects): Fundamental, and Practical	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me153	Mechanical Engineering	Applied Numerical Methods	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-me155	Mechanical Engineering	Manufacturing Systems Technology I & II	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3

noc26-me156	Mechanical Engineering	Introduction to Composites	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me158	Mechanical Engineering	Metal Additive Manufacturing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me159	Mechanical Engineering	Computational Fluid Dynamics and Heat Transfer	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me161	Mechanical Engineering	Applied Elasticity	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	3
noc26-me163	Mechanical Engineering	Vibrations of Plates and Shells	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-me165	Mechanical Engineering	Basics of Materials Engineering	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me166	Mechanical Engineering	Interfacial Fluid Mechanics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-me167	Mechanical Engineering	Industrial Robotics: Theories for Implementation	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me168	Mechanical Engineering	Microfluidics and Nanofluidics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3

noc26-me169	Mechanical Engineering	Computational Fluid Dynamics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-me170	Mechanical Engineering	Advanced Fluid Mechanics - IITKGP	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-me171	Mechanical Engineering	Energy Conservation and Waste Heat Recovery	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me172	Mechanical Engineering	Heat Exchangers: Fundamentals and Design Analysis	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me173	Mechanical Engineering	Advanced Dynamics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-me176	Mechanical Engineering	Experimental Modal Analysis	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me182	Mechanical Engineering	Advanced Thermodynamics and Combustion	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Core	3
noc26-me183	Mechanical Engineering	Applied Thermodynamics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me188	Mechanical Engineering	Fundamentals of Additive Manufacturing Technologies	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3

noc26-me189	Mechanical Engineering	Automation In Manufacturing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me190	Mechanical Engineering	Mathematical Modeling of Manufacturing Processes	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-me191	Mechanical Engineering	Materials Processing (Casting, Forming and Welding)	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-me193	Mechanical, Production Engineering	Industrial Engineering and Operations Research	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-me202	Mechanical Engineering	Advanced Machining Processes	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG/PG	Elective	2
noc26-me203	Mechanical Engineering	Laser Based Manufacturing	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG/PG	Elective	2
noc26-me204	Mechanical Engineering	Advances in Welding and Joining Technologies	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG/PG	Elective	2

L. Siva Rama Krishna

Signature of CBoS (Autonomous)

Dept. of Mechanical Engg, UCE(A), OU

OSMANIA UNIVERSITY

To
The Principal
University College of Engineering
Osmania University

26.07.2026

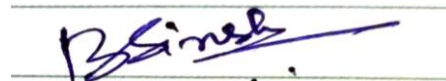
Sir,

Sub:- Submission of the List of SWAYAM–NPTEL Courses Offered by
the Department of Electrical Engineering for the July–
December 2026-reg
Ref:- Lr.No 645/Admin./UCE/2026

With reference to the letter cited above, I am herewith submitting the list of SWAYAM–NPTEL courses to be offered by the Department of Electrical Engineering during the forthcoming **July–December 2026** semester. The list is enclosed as an attachment to this letter for your kind information and necessary records.

Thanking You sir,

Your`s faithfully



Prof.B.Sirisha
Charperson BoS(A)
EED,UCE(A),OU

S.No	Course ID	Discipline	Course Name	Duration	Start date	End date	Enrollment End date	UG /PG	Core/Elective	Credits
1.	noc26-ee103	Electrical and Electronics Engineering	Electric Vehicle: Its Components, Charging Infrastructure and Grid Integration Solution	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3
2.	noc26-ee107	Electrical and Electronics Engineering	Dc Microgrid and Control System	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	PG	Elective	2
3.	noc26-ee108	Electrical and Electronics Engineering	Advance Power Electronics and Control	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
4.	noc26-ee134	Electrical and Electronics Engineering	Advance Power Electronics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
5.	noc26-ee141	Electrical and Electronics Engineering	Fundamentals of Nano and Quantum Photonics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3

Department of Electronics and Communication Engineering**University College of Engineering****Osmania University, Hyderabad – 500 007****Recognised Course (REGULAR / Working Professional (Tick the relevant))****List of ECE Dept, UCE(A), OU for****JULY-DECEMBER 2026 SWAYAM- NPTEL Courses**

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course enrolment ends	Level (UG/PG)	Core/ Elective	Credits
noc26-ee102	Electrical and Electronics Engineering	Two-Dimensional Signal Processing: Principles and Practices	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-ee104	Electronics and Communication Engineering	Basics of Software Defined Radios and Practical Applications	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG/PG	Elective	1
noc26-ee110	Electronics and Communication Engineering, Microelectronics and VLSI	Low Voltage CMOS Circuit Operation	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
noc26-ee114	Electrical and Electronics Engineering	Digital Switching - I	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
noc26-ee115	Electrical and Electronics Engineering	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Elective	2
noc26-ee116	Electrical and Electronics Engineering	An Introduction to Coding Theory	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
noc26-ee119	Electronics and Communication Engineering	Digital Speech Processing	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Elective	2
noc26-ee123	Electrical and Electronics	Microelectronics: Devices to Circuits	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3



	Engineering								
noc26-ee128	Electrical and Electronics Engineering	Mathematical Methods and Techniques in Signal Processing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-ee134	Electrical and Electronics Engineering	Advance Power Electronics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee141	Electrical and Electronics Engineering	Fundamentals of Nano and Quantum Photonics	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee147	Electrical and Electronics Engineering	VLSI Design Flow: RTL to GDS	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee148	Electrical and Electronics Engineering	Optimization Theory and Algorithms	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee153	Electronics and Electrical Engineering	Cryogenic Electronics for Quantum Computing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee155	Electrical and Electronics Engineering	Applied Electromagnetics for Engineers	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-ee157	Electrical and Electronics Engineering	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee159	Electronics and Communication Engineering	5G Wireless Standard Design	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee162	Electronics and Electrical Engineering	RFIC Design	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-ee166	Electrical and Electronics Engineering	Real-Time Digital Signal Processing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-	Electrical	Pattern	12 Weeks	Jul 20,	Oct 9,	Jul 27,	UG/PG	Elective	3

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ee172	and Electronics Engineering	Recognition and Application		2026	2026	2026			
noc26-ee189	Electrical and Electronics Engineering	Machine Learning and Deep learning - Fundamentals and Applications	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-ee191	Electrical and Electronics Engineering	Simulation Of Communication Systems Using Matlab	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3
noc26-ee192	Electronics and Electrical Engineering	Introduction to Microwave and Optical Metamaterials	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-ee197	Electronics and Communication Engineering, Electrical Engineering, Computer Science and Engineering, Multidisciplinary	Software-Defined Radio (SDR) Hands-on for Communication Systems Design	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG/PG	Core	2
noc26-ee198	Electronics and Electrical Engineering	Signal Processing Algorithms and Architectures	4 Weeks	Aug 17, 2026	Sep 11, 2026	Aug 17, 2026	UG/PG	Core	1
noc26-ee201	Electrical and Electronics Engineering	Introduction to Adaptive Signal Processing	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	UG/PG	Elective	2
noc26-ee96	Electrical Engineering, Electronics and Communication	AI driven Perception, Learning and Mapping for Drones	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3
noc26-ge77	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3
noc26-ge79	Multidisciplinary	Research Methodology	8 Weeks (Rerun) + 4 Weeks (New)	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
noc26-	Multidisciplinary	Machine	12 Weeks	Jul 20,	Oct 9,	Jul 27,	UG/PG	Elective	3

ge85	nary	Learning for Core Engineering Disciplines		2026	2026	2026			
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22/7/2026

Signature of CBoS (Autonomous)

Dr. A. Bharathi,

Professor, CBoS (A)

ECE Dept., UCE(A), OU

Recognised Course (~~REGULAR~~ / ~~Working Professional~~ (Tick the relevant))List of Equivalent courses VII SEM AIML CSE Dept., UCE, OU for

JULY-DECEMBER 2026 SWAYAM- NPTEL Courses

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course enrolment ends	Level (UG/PG)	Core/Elective	Credits
noc26-cs158	Computer Science and Engineering	Computer Vision	12 weeks	20 Jul 2026	09 Oct 2026	27 Jul 2026	UG	Elective	3
noc26-cs180	Computer Science and Engineering	Natural Language Processing	12 Weeks	20 Jul 2026	09 Oct 2026	27 Jul 2026	UG/PG	Elective	3
noc26-cs134	Computer Science and Engineering	Reinforcement Learning	12 Weeks	20 Jul 2026	09 Oct 2026	27 Jul 2026	UG/PG	Elective	3
noc26-cs104	Computer Science and Engineering	Generative AI for Computer Vision	12 Weeks	20 Jul 2026	09 Oct 2026	27 Jul 2026	UG/PG	Elective	3
noc26-cs103	Computer Science and Engineering	Foundations of Immersive Design for AR/VR	12 Weeks	20 Jul 2026	09 Oct 2026	27 Jul 2026	UG/PG	Elective	3



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Department of CSE

University College of Engineering

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Recognised Course (REGULAR / Working Professional (Tick the relevant))

List of VIII SEM AIML, CSE Dept., UCE, OU for

JULY-DECEMBER 2026 SWAYAM- NPTEL Courses

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course enrolment ends	Level (UG/PG)	Core/ Elective	Credits
noc26_hs210	Multidisciplinary	Environmental Science	12 weeks	20 Jul 2026	09 Oct 2026	27 Jul 2026	UG	Core	3


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Department of Computer Science and Engineering
University College of Engineering
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Recognised Course (REGULAR)
List of CSE Dept., UCE, OU for
JULY-DECEMBER 2026 SWAYAM-NPTEL Courses

B.E. (CSE) - Honors Programme

S. No	OU Course Code	OU Course Title	Course Id	Course Name (SWAYAM-NPTEL)	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/ Elective	Credits
1	HR501CS	Fundamentals of Data Engineering	noc26-cs189	Big Data Computing	8 Weeks	Aug 17, 2026	Oct 9, 2026	Aug 17, 2026	PG	Elective	2
			noc26-cs107	Python for Data Science	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG	Elective	1
2	HR601CS	Complexity Theory	noc26-cs142	Computational Complexity	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	PG	Elective	3
3	HR602CS	Formal Methods and Program Analysis	noc26-cs92	Formal Methods for System Verification	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
4	HR701CS	Advanced Operating Systems	noc26-cs169	Advanced Distributed Systems	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
5	HR702CS	Systems Design	noc26-cs115	Distributed Systems	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
			noc26-cs185	Software Conceptual Design	4 Weeks	Aug 17, 2026	Sep 11, 2026	Aug 17, 2026	UG	Elective	1
6	HR801CS	Applied Cryptography	noc26-cs101	Theory and Practice of Modern Cryptography	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3

Department of Computer Science and Engineering
University College of Engineering
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Recognised Course (REGULAR)
List of CSE Dept., UCE, OU for
JULY-DECEMBER 2026 SWAYAM-NPTEL Courses

B.E. (CSE) - Minor in AI & ML

S. No	OU Course Code	OU Course Title	Course Id	Course Name (SWAYAM-NPTEL)	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/ Elective	Credits
1	MR501CS	Principles of Data Engineering with Python	noc26-cs112	Data Science for Engineers	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG/PG	Elective	2
			noc26-cs107	Python for Data Science	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG	Elective	1
2	MR601CS	Machine Learning	noc26-cs133	Introduction to Machine Learning	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
3	MR602CS	Artificial Intelligence	noc26-cs182	Artificial Intelligence: Foundations and Algorithms	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3
4	MR701CS	Natural Language Processing	noc26-cs180	Natural Language Processing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
5	MR702CS	Computer Vision	noc26-cs158	Computer Vision	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3

P.V. Sridhar

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Recognised Course (REGULAR)

**List of CSE Dept., UCE, OU for
JULY-DECEMBER 2026 SWAYAM-NPTEL Courses**

B.E. (CSE) - VII Semester

S. No	OU Course Code	OU Course Title	Course Id	Course Name (SWAYAM-NPTEL)	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/ Elective	Credits
1	PC701CS	Cloud Computing	noc26-cs150	Cloud Computing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Elective	3
2	PC702CS	Generative AI	noc26-cs95	Fundamentals of Generative AI and Large Language Models: Theory and Practice	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
3	PC703CS	Computer Vision	noc26-cs174	Deep Learning for Computer Vision	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
4	PC704CS	Reinforcement Learning	noc26-cs134	Reinforcement Learning	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
5	PE711CS	AR & VR	noc26-cs103	Foundations of Immersive Design for AR/VR	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
6	PE712CS	Secure Coding Principles	noc26-cs157	Ethical Hacking	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
7	PE713CS	FPGA Based System Design	noc26-cs120	Hardware Modeling using Verilog	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	UG	Elective	2
			noc26-cs106	C Programming and Assembly Language	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG	Elective	1
8	PE714CS	Scalable Architectures for Large Applications	noc26-cs122	Scalable Data Science	8 Weeks	Jul 20, 2026	Sep 11, 2026	Jul 27, 2026	PG	Elective	2
			noc26-cs107	Python for Data Science	4 Weeks	Jul 20, 2026	Aug 14, 2026	Jul 27, 2026	UG	Elective	1
9	PE715CS	Natural Language Processing	noc26-cs180	Natural Language Processing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3

P.V. Sudha

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Dept. of Computer Science & Engg.
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B.E. (CSE) - VIII Semester

S. No	OU Course Code	OU Course Title	Course Id	Course Name (SWAYAM-NPTEL)	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/ Elective	Credits
1	MC801CE	Environmental Science	noc26-hs210	Environmental Science	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG	Core	3

P.V. Sudhan

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Department of Computer Science and Engineering

University College of Engineering

Osmania University, Hyderabad - 500 007

List of CSE Dept., UCE, OU for

JULY-DECEMBER 2026 SWAYAM-NPTEL Courses

List of __Working Professionals- V SEM__ Dept., UCE, OU for

JULY-DECEMBER 2026 SWAYAM- NPTEL Courses

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/Elective	Credits
noc26-cs133	Computer Science and Engineering	Introduction to Machine Learning	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-cs101	Computer Science and Engineering	Theory and Practice of Modern Cryptography	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Core	3
noc26-ee178	Electrical and Electronics Engineering	Digital Image Processing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3



Signature of CBoS (Autonomous)

Dept. Name: , UCE(A), OU

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College Of Engg., O.U. Hyderabad,**

Department of Computer Science and Engineering

University College of Engineering

Osmania University, Hyderabad - 500 007

List of CSE Dept., UCE, OU for

JULY-DECEMBER 2026 SWAYAM-NPTEL Courses

Recognised Course (Working Professional – VII SEM)

JULY-DECEMBER 2026 SWAYAM- NPTEL Courses

Course Id	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course Enrolment Ends	Level (UG/PG)	Core/Elective	Credits
noc26-cs104	Computer Science	Generative AI for computer vision	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-cs180	Computer Science and Engineering	Natural Language Processing	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3
noc26-cs103	Computer Science and Engineering	Foundations of Immersive Design for AR/VR	12 Weeks	Jul 20, 2026	Oct 9, 2026	Jul 27, 2026	UG/PG	Elective	3

P.V. Sudhakar

Signature of CBoS (Autonomous)

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

OSMANIA UNIVERSITY

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Board of Studies in CSE (A)
Dept. of Computer Science & Engg.
College Of Engg., O.U. Hyderabad.

Dept of BME List of Recognised Courses
JULY-DECEMBER 2026 SWAYAM- NPTEL Courses

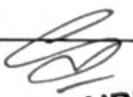
S.No.	Course ID	Discipline	Course Name	Duration	Course Start Date	Course End Date	Course Enrollment Ends	Level	Core/Elective	Credits
1	noc26-bt81	Biological Sciences & Bioengineering Biosciences	An Introduction to Evolutionary Biology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Core	4
2	cec26-bt13	Biological Sciences & Bioengineering	Applied Entomology	12 weeks	July 6, 2026	October 31, 2026	August 31, 2026	UG	Elective	4
3	ini26-ma09	Biological Sciences & Bioengineering	Basic Genetics	12 weeks	July 27, 2026	October 12, 2026	August 31, 2026	UG/PG	Core	4
4	noc26-bt56	Biological Sciences & Bioengineering	Biodiversity for Sustainability	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
5	noc26-ge68	Multidisciplinary: Electrical, Electronics and Communications Engineering Biological Sciences & Bioengineering Control and Instrumentation Bioengineering	Biomedical Ultrasound: Fundamentals of Imaging and Micromachined Transducers	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
6	noc26-bt91	Biological Sciences & Bioengineering	Cell and Molecular Biology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Core	4


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7	noc26-bt90	Biological Sciences & Bioengineering	Cognition and its Computation	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
8	noc26-bt87	Biological Sciences & Bioengineering Computational Biology	Computational Neuroscience	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
9	noc26-bt70	Biological Sciences & Bioengineering	Drug Delivery: Principles and Engineering	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
10	noc26-bt88	Biological Sciences & Bioengineering Bioprocesses Energy, Climate and Sustainability	Environmental Biotechnology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
11	noc26-bt51	Biological Sciences & Bioengineering Biosciences	Epigenetics	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
12	noc26-bt95	Biological Sciences & Bioengineering Bioprocesses	Fundamentals of Bioprocess Engineering	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
13	noc26-bt69	Biological Sciences & Bioengineering Physics, Chemistry Biosciences	Fundamentals of Cryo-Electron Microscopy (Cryo EM) and 3D Image Processing in Structural Biology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Core	4


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14	noc26-bt52	Biological Sciences & Bioengineering Biosciences	Fundamentals of General Immunology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Core	4
15	noc26-bt71	Electrical, Electronics and Communications Engineering Biological Sciences & Bioengineering	Fundamentals of Micro and Nanofabrication	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Core	4
16	noc26-bt93	Biological Sciences & Bioengineering Bioprocesses Biosciences	Genetic Engineering: Theory and Application	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
17	noc26-bt92	Biological Sciences & Bioengineering Biosciences	Genome Editing and Engineering	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
18	cec26-bt09	Biological Sciences & Bioengineering	Human Genetics	12 weeks	July 6, 2026	October 31, 2026	August 31, 2026	UG	Elective	4
19	cec26-bt07	Biological Sciences & Bioengineering	Human Population Genetics	12 weeks	July 6, 2026	October 31, 2026	August 31, 2026	UG	Elective	4
20	noc26-bt85	Biological Sciences & Bioengineering Biosciences	Immunology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Core	4


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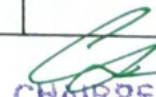
21	noc26-bt89	Biological Sciences & Bioengineering	Industrial Biotechnology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Core	4
22	noc26-bt74	Biological Sciences & Bioengineering Biosciences	Introduction to Developmental Biology	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
23	noc26-bt72	Biological Sciences & Bioengineering Computational Biology	Introduction to Proteogenomics	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
24	noc26-mel11	Biological Sciences & Bioengineering Electrical, Electronics and Communications Engineering Control and Instrumentation Photonics Manufacturing	Laser-Assisted Measurements and Micro Manufacturing	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
25	noc26-bt86	Biological Sciences & Bioengineering Computational Biology	Next Generation Sequencing Technologies: Data Analysis and Applications	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Core	4
26	cec26-bt14	Biological Sciences & Bioengineering	Silkworm rearing and reeling technology	12 weeks	July 6, 2026	October 31, 2026	August 31, 2026	UG	Elective	4


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27	noc26-bt83	Biological Sciences & Bioengineering Computational Biology	Statistics for Biomedical Engineers	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Elective	4
28	noc26-bt76	Biological Sciences & Bioengineering Bioprocesses	Transport Phenomena in Biological Systems	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Core	4
29	noc26-bt53	Biological Sciences & Bioengineering Bioprocesses	Transport Phenomena in Bioprocess Engineering	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Core	4
30	noc26-cs136	Computer Science and Engineering	The Joy of Computing Using Python	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Elective	4
31	noc26-ee125	Electrical, Electronics and Communications Engineering	Electronic Systems for Cancer Diagnosis	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Elective	4
32	noc26-ee189	Computer Science and Engineering Electrical, Electronics and Communications Engineering	Machine Learning and Deep learning - Fundamentals and Applications	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Core	4
33	noc26-ge57	Multidisciplinary	Mathematical Tools for Cognitive Science	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Elective	4


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34	noc26-cs182	Computer Science and Engineering Artificial Intelligence Data Science Robotics	Artificial Intelligence: Foundations and Algorithms	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Elective	4
35	noc26-cs177	Computer Science and Engineering	Design & Implementation of Human-Computer Interfaces	12 weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/ PG	Elective	4
36	noc26-bt54	Biotechnology and Bioscience / Bio engineering Engineering	Mechanical Characterization and Modelling of Tissues	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
37	noc26-bt80	Biotechnology Chemical Engineering	Biological Engineering	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Core	4
38	noc26-bt94	Biotechnology and Bioengineering	Experimental Biotechnology	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
39	noc26-ge47	Multidisciplinary	Nonlinear Dynamics and Chaos	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
40	noc26-ge69	Multidisciplinary	OBE and Accreditation	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
41	noc26-ge70	Multidisciplinary	Instruction for Good Learning	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4


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42	noc26-ge72	Multidisciplinary	Learning Analytics Tools	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
43	noc26-ge74	Multidisciplinary	Bandit Algorithm (Online Machine Learning)	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
44	noc26-ge75	Multidisciplinary	Rural Water Resources Management	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Elective	4
45	noc26-ge76	Multidisciplinary	Neuroscience of Human Movements	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
46	noc26-ge77	Multidisciplinary	Numerical Methods for Engineers	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Core	4
47	noc26-ge78	Multidisciplinary	One Health	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
48	noc26-ge79	Multidisciplinary	Research Methodology	8 Weeks (Rerun) + 4	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
49	noc26-ge82	Biotechnology And Biosciences	Conservation Geography	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4


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50	noc26-ge83	Biotechnology And Biosciences	Wild Life Ecology	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
51	noc26-ge84	Multidisciplinary	Essential Neuroscience: A Beginners Guide	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
52	noc26-ge85	Multidisciplinary	Machine Learning for Core Engineering Disciplines	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
53	noc26-ge86	Multidisciplinary	Certificate in Integrative Palliative Care - 3	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
54	noc26-ge88	Multidisciplinary	Thin Film Technology	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
55	noc26-ge89	Multidisciplinary	An Integrated Approach to Common Childhood Diseases and Developmental Disorders in India	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
56	noc26-ge90	Multidisciplinary, Mechanical Engineering	Sustainable Power Generation Systems	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4
57	noc26-ge91	Multidisciplinary	Solar Energy Engineering and Technology	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG/PG	Elective	4


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58	noc26-ge92	Multidisciplinary	Fundamental of Fluid Mechanics for Chemical And Biomedical Engineers	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Core	4
59	noc26-ge93	Multidisciplinary	Fundamentals of Artificial Intelligence	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	PG	Elective	4
60	noc26-hs210	Multidisciplinary	Environmental Science	12 Weeks	July 20, 2026	October 9, 2026	July 27, 2026	UG	Core	4


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REGISTRATION 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



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



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



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/she has chosen from the recognized course list available in the college website. Then the letter has to be approved by CBoS (Autonomous). In case Industry Internship students who are studying BE. V semester and ME III Semester the letter has to be approved by Principal UCE, OU along with respective CBoS (Autonomous) and HOD. The student has to submit the same to Director of Evaluation, Exam cell, UCE, OU and a copy of the same to SPOC, SWAYAM NPTEL UCE, OU. Then register for the course in SWAYAM-NPTEL Website.