

JAWAHARLALNEHRUTECHNOLOGICALUNIERSITYANANTAPUR

R23 Regulation List of NPTEL/MOOC/SWAYAM Courses as Electives for the Academic Year 2025-26

R23 REGULATIONS–ODDSEMESTER

PROFESSIONAL ELECTIES & CORE

S.No.	Discipline	Elective	Title of Course	Duration	Link to access course
1	Civil	Professional Core	Design Of Reinforced Concrete Structures	12weeks	https://onlinecourses.nptel.ac.in/noc25_ce123/preview
			Geotechnical Engineering	12weeks	https://onlinecourses.nptel.ac.in/noc25_ce118/preview
		Professional Elective – I	Pre-stressed Concrete	12weeks	https://onlinecourses.nptel.ac.in/noc25_ce89/preview
2	EEE	Professional Core	Digital Circuits	12weeks	https://onlinecourses.nptel.ac.in/noc25_ee125/preview
3	ME	Professional Elective – I	Work study and Ergonomics	12weeks	https://onlinecourses.nptel.ac.in/noc25_me122/preview
			Nano Technology	12Weeks	https://onlinecourses.nptel.ac.in/noc25_mm36/preview
4	CSE (AI & ML) & CSE (AI)	Professional Elective – I	Soft computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs103/preview
			Computational Intelligence	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs100/preview?use
5	AI&ML	Professional Elective - I	Soft Computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs103/preview
6	AI	Professional Elective - I	Graph Neural Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_ee154/preview
			Soft computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs103/preview
7	AI & DS	Professional Elective - I	Soft computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs103/preview
			Internet of Things for AI Applications	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs146/preview
8	CSE	Professional Core	Artificial Intelligence	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs88/preview
9	CSE(DS)	Professional Elective - I	Internet of Things	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs147/preview
10	CSD	Professional Elective - I	Software Engineering	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs108/preview
			Cyber Security	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs116/preview
			Internet of Things	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs147/preview
11	Cyber Security & IoT	Professional Elective - I	Software Engineering	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_cs108/preview

Note:

1. Student registration for the above courses shall be only through the institution, it is mandatory for the student to share necessary information with the institution.
2. While opting the courses listed above, the institution would essentially avoid the courses offered or already studied as part of the curriculum as it may otherwise lead to duplication and repetition of the same course.
3. The institution shall designate a faculty member as a Mentor for each course to guide the students from registration till completion of the credit course. Student pursuing MOOC course through SWAYAM shall acquire the required credits only after successful completion of the course and submitting a certificate issued by the competent authority.

OPEN ELECTIE

S.No.	Offered by the department	Offered to the students of the departments	Open Elective	Title of Course	Duration	Link to access course
1	ME	All Disciplines;, other than ME	Open Elective-I	Sustainable Energy Technologies	12 Weeks	https://nptel.ac.in/courses/127103236
2	ECE	All Disciplines;, other than ECE	Open Elective - I	Electronic Circuits	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_ee157/preview
			Open Elective - II	Digital Electronics	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_ee125/preview
3	Mathematics	For all Discipline	Open Elective -I	Mathematics for Machine Learning and Artificial intelligence	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_ma82/preview
4	Humanities	For all Discipline	Open Elective -I	English for Competitive Examinations	12 Weeks	https://nptel.ac.in/courses/109106116
				Entrepreneurship and Venture Creation	12 Weeks	https://nptel.ac.in/courses/109105176
5	Physics	For all Discipline	Open Elective -I	Materials characterization techniques	12 Weeks	https://nptel.ac.in/courses/113105101

Note:

1. Student registration for the above courses shall be only through the institution, it is mandatory for the student to share necessary information with the institution.
2. While opting for the courses listed above, the institution would essentially avoid the courses offered or already studied as part of the curriculum as it may otherwise lead to duplication and repetition of the same course.
3. In addition to above Open Elective a student is permitted to opt for any Open Elective Course other than open elective offered by his/her own department.
4. All the courses with 12 weeks duration shall be considered for 3 credits irrespective of credit points specified in SWAYAM portal.
5. The institution shall designate a faculty member as a Mentor for each course to guide the students from registration till completion of the credit course. A student pursuing MOOC course through SWAYAM shall acquire the required credits only after successful completion of the course and submitting a certificate issued by the competent authority.

HONOURS

S.No.	Discipline	Title of the Course	Duration	Link to access course
1	EEE	EV Charging Technologies	12 Weeks	https://onlinecourses.nptel.ac.in/noc25_ee134/preview

Note:

- i) A Student is eligible to opt for Honours program offered by the parent department.
- ii) The students enrolled in the Honours courses will be monitored continuously. An advisor/mentor from parent department shall be assigned to a group of students to monitor the progress.
- iii) Student registration for the above courses shall be only through the institution, it is mandatory for the student to share necessary information with the institution.
- iv) While opting for the courses listed above, the institution would essentially avoid the courses offered or already studied as part of the curriculum as it may otherwise lead to duplication and repetition of the same course