JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
List of SWAYAM Courses– Honors – Academic Year 2024-25
R20REGULATIONS–ODDSEMESTER

HONOURS

S.No	Discipline	TitleoftheCourse	Duration	Linktoaccess course
1	CivilEngineering	Introduction to Multimodal Urban Transportation Systems	12 weeks	https://onlinecourses.nptel.ac.in/noc24_ce80/preview
		Dynamics of Structures	12 weeks	https://onlinecourses.nptel.ac.in/noc24_ce74/preview
2	EEE	Maintenance and Testing of Electrical Machines	12 weeks	https://onlinecourses.swayam2.ac.in/nou24_ee01/preview
		Electrical Distribution System Analysis	12 weeks	https://onlinecourses.nptel.ac.in/noc24_ee105/preview
3	MechanicalEngineering	Thermodynamics and Kinetics of Materials	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_mm44/preview
		Metal Additive Manufacturing	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me130/preview
4	ECE	Digital VLSI Testing	12 weeks	https://onlinecourses.nptel.ac.in/noc24_ee134/preview
		Modern Digital Communication Techniques	12 weeks	https://onlinecourses.nptel.ac.in/noc24_ee119/preview
		Biomedical Ultrasound: Fundamentals of Imaging and Micromachined Transducers	12 weeks	https://onlinecourses.nptel.ac.in/noc24_ge45/preview
5	CSE	Multi-Core Computer Architecture	12 weeks	https://onlinecourses.nptel.ac.in/noc24_cs93/preview
		Design & Implementation of Human-Computer Interfaces	12 weeks	https://onlinecourses.nptel.ac.in/noc24_cs126/preview
		Reinforcement Learning	12weeks	https://onlinecourses.nptel.ac.in/noc24_cs102/preview
7	CSD	3D Printing and Design for Educators	8 weeks	https://onlinecourses.swayam2.ac.in/ntr24_ed41/preview
		Big Data Computing	8 weeks	https://onlinecourses.nptel.ac.in/noc24_cs130/preview
8	CSE(IoT)	Digital Logics & Circuits Simulations	8 weeks	https://onlinecourses.swayam2.ac.in/ini24_ma02/preview
		Ethical Hacking	12 weeks	https://onlinecourses.nptel.ac.in/noc24_cs94/preview
9	CSE(AI), CSE(AI&ML), AI&ML	Google Cloud Computing Foundations	8 weeks	https://onlinecourses.nptel.ac.in/noc24_cs131/preview
		Artificial Intelligence using Prolog Programming	12 weeks	https://onlinecourses.swayam2.ac.in/nou24_cs16/preview
10.	CSE(DS), AI&DS	Design & Implementation of Human Computer Interfaces	12 weeks	https://onlinecourses.nptel.ac.in/noc24_cs126/preview
		Image Processing using Python	12 weeks	https://onlinecourses.swayam2.ac.in/nou24_cs17/preview

Note:

i) A student is eligible to opt for Honours program offered by the parent department.

ii) The enrolment of students in to Honours is based on the percentage of marks obtained in the major degree program. The percentage of marks shall be taken up to III semester in case of regular entry students and only III semester in case of lateral entry students. Students having 70% without any backlog subjects will be permitted to register for Honours. The institution shall seek registrations in IV Semester, after the results of III Semester are announced.

iii) The students enrolled in the Honours courses will be monitored continuously.An advisor/mentor fromparent department shall be assigned to a group of students to monitor the progress.

iv) 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.

v) 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.

Sd/-
REGISTRAR i/c