

Samrat Ashok Technological Institute (Engineering College), Vidisha

Department of Mechanical Engineering

BOS meeting 27-05-2025

(Honours degree in Additive Manufacturing)

LIST OF SWAYAM SUBJECTS FOR HONORS DEGREE					
S.N	NPTEL URL	Course Name	Credit/ Duration (week)	Semester	Concern Faculty
1	https://nptel.ac.in/courses/112104293	Rapid Manufacturing	4/12	Jul. – Dec.	Prof. J. Ramkumar, Prof. Amandeep Singh
2	https://nptel.ac.in/course/s/112104312	Metal Additive Manufacturing	4/12	Jul. – Dec.	Prof. Janakranjan Ramkumar, Prof. Amandeep Singh Oberoi
3	https://nptel.ac.in/course/s/112103306	Fundamentals of Additive Manufacturing Technologies	4/12	Jul. – Dec.	Prof. Sajjan Kapil
4	https://nptel.ac.in/course/s/112101623	Navigating the Latest Trends in Additive Manufacturing Landscape	2/4	Jan. – Apr.	Prof. Alankar Prof. Akshatha Hulmani Dayananda
5	https://nptel.ac.in/course/s/113108632	Advances in Additive Manufacturing of Materials: Current status and emerging opportunities	4/12	Jan. – Apr.	Prof. Bikramjit Basu
6	https://nptel.ac.in/course/s/108108115	Physical Modelling for Electronics Enclosures using Rapid Prototyping	3/8	Jul. – Dec.	Prof. N. V Chalapathi Rao
7	https://nptel.ac.in/course/s/102106095	Organ Printing	3/8	Jul. – Dec.	Prof. Falguni Pati

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Samrat Ashok Technological Institute (Engineering College), Vidisha

Department of Mechanical Engineering

(Honours degree in Robotics)

LIST OF SWAYAM SUBJECTS FOR HONORS DEGREE					
S.N	NPTEL URL	Course Name	Credit/ Duration (week)	Semester	Concern Faculty
1	https://nptel.ac.in/courses/112104316	Advanced Robotics	4/12	Jan. – Apr.	Prof. Ashish Dutta
2	https://nptel.ac.in/courses/112107289	Robotics and Control: Theory and Practice	3/8	Jan. – Apr.	Prof. N. Sukavanam, Prof. M. Felix Orlando
3	https://nptel.ac.in/courses/112108298	Robotics: Basics and Selected Advanced Concepts	4/12	Jan. – Apr.	Prof.AshitavaGhosal
4	https://nptel.ac.in/courses/112104620	Advanced Robotics Applications	3/8	Jan. – Apr.	Prof. Ashish Dutta
5	https://nptel.ac.in/courses/112105621	Collaborative Robots (COBOTS): Theory and Practice	8/3	Jan. – Apr.	Prof.ArunDayalUdai
6	https://nptel.ac.in/courses/127105386	Experimental Robotics	2/4	Jan. – Apr.	Prof.Dilip Kumar Pratihar
7	https://nptel.ac.in/courses/112106298	Wheeled Mobile Robots	3/8	Jan. – Apr.	Prof.AsokanThondiyath, Prof.Santhakumar Mohan
8	https://nptel.ac.in/courses/108107589	Intelligent Control of Robotic Systems	2/4	Jan. – Apr.	Prof. M. Felix Orlando
9	https://nptel.ac.in/courses/112104293	Foundations of Cognitive Robotics	2/4	Jul. – Dec.	Prof.Bishakh Bhattacharya
10	https://nptel.ac.in/courses/112105319	Industrial Robotics: Theories for Implementation	4/12	Jul. – Dec.	Prof.ArunDayalUdai
11	https://nptel.ac.in/courses/112105249	Robotics	3/8	Jul. – Dec.	Prof.DkPratihar
12	https://nptel.ac.in/courses/112106304	Mechanics and Control of Robotic Manipulators	3/8	Jul. – Dec.	Prof.Santhakumar Mohan
13	https://nptel.ac.in/courses/112105236	Mechanism and Robot Kinematics	3/8	Jul. – Dec.	Prof.AnirvanDasgupta
14	https://nptel.ac.in/courses/112101304	Design of Mechatronic Systems	4/12	Jul. – Dec.	Prof.Prasanna Gandhi

Approved in BOS: 18.12.2024