

**Samrat Ashok Technological Institute (Engineering College), Vidisha**

**Department of Mechanical Engineering**

(Honours degree in Robotics)

BOS meeting 18-12-2024

**LIST OF SWAYAM SUBJECTS FOR HONORS DEGREE**

S.N	NPTEL URL	Course Name	Credit/ Duration (week)	Semester	Concern Faculty
1	<a href="https://nptel.ac.in/courses/112104316">https://nptel.ac.in/courses/112104316</a>	Advanced Robotics	4/12	Jan. – Apr.	Prof. Ashish Dutta
2	<a href="https://nptel.ac.in/courses/112107289">https://nptel.ac.in/courses/112107289</a>	Robotics and Control: Theory and Practice	3/8	Jan. – Apr.	Prof. N. Sukavanam, Prof. M. Felix Orlando
3	<a href="https://nptel.ac.in/courses/112108298">https://nptel.ac.in/courses/112108298</a>	Robotics: Basics and Selected Advanced Concepts	4/12	Jan. – Apr.	Prof. Ashitava Ghosal
4	<a href="https://nptel.ac.in/courses/112104620">https://nptel.ac.in/courses/112104620</a>	Advanced Robotics Applications	3/8	Jan. – Apr.	Prof. Ashish Dutta
5	<a href="https://nptel.ac.in/courses/112105621">https://nptel.ac.in/courses/112105621</a>	Collaborative Robots (COBOTS): Theory and Practice	8/3	Jan. – Apr.	Prof. Arun Dayal Udai
6	<a href="https://nptel.ac.in/courses/127105386">https://nptel.ac.in/courses/127105386</a>	Experimental Robotics	2/4	Jan. – Apr.	Prof. Dillip Kumar Pratihari
7	<a href="https://nptel.ac.in/courses/112106298">https://nptel.ac.in/courses/112106298</a>	Wheeled Mobile Robots	3/8	Jan. – Apr.	Prof. Asokan Thondiyath, Prof. Santhakumar Mohan
8	<a href="https://nptel.ac.in/courses/108107589">https://nptel.ac.in/courses/108107589</a>	Intelligent Control of Robotic Systems	2/4	Jan. – Apr.	Prof. M. Felix Orlando
9	<a href="https://nptel.ac.in/courses/112104293">https://nptel.ac.in/courses/112104293</a>	Foundations of Cognitive Robotics	2/4	Jul. – Dec.	Prof. Bishakh Bhattacharya
10	<a href="https://nptel.ac.in/courses/112105319">https://nptel.ac.in/courses/112105319</a>	Industrial Robotics: Theories for Implementation	4/12	Jul. – Dec.	Prof. Arun Dayal Udai
11	<a href="https://nptel.ac.in/courses/112105249">https://nptel.ac.in/courses/112105249</a>	Robotics	3/8	Jul. – Dec.	Prof. Dk Pratihari
12	<a href="https://nptel.ac.in/courses/112106304">https://nptel.ac.in/courses/112106304</a>	Mechanics and Control of Robotic Manipulators	3/8	Jul. – Dec.	Prof. Santhakumar Mohan
13	<a href="https://nptel.ac.in/courses/112105236">https://nptel.ac.in/courses/112105236</a>	Mechanism and Robot Kinematics	3/8	Jul. – Dec.	Prof. Anirvan Dasgupta
14	<a href="https://nptel.ac.in/courses/112101304">https://nptel.ac.in/courses/112101304</a>	Design of Mechatronic Systems	4/12	Jul. – Dec.	Prof. Prasanna Gandhi