

**SWAYAM COURSES**  
**School of Sciences**

**Department of Biotechnology and Microbiology**

S.No	Course Name	Offered by	Duration	Credits
1	<b>Molecular Biology</b>	Prof. Vishal Trivedi , IIT Guwahati	12 weeks	4
2	<b>Basic Genetics</b>	By Prof. Richa Arya, Prof. Madhu G Tapadia, Prof. J K Roy (retired)	12 weeks	3
3	<b>Genetic Engineering and its recent advancements</b>	Dr. Tanushree Chatterjee and Dr. Sharmistha Banerjee ,Chhattisgarh Swami Vivekanand Technical University (CSVТУ), Bhilai	12 weeks	4
4	<b>Fundamentals of Bioprocess Engineering</b>	Prof. Lalit M. Pandey , IIT Guwahati	12 weeks	3
5	<b>Genetic Engineering: Theory and Application</b>	By Prof. Vishal Trivedi , IIT Guwahati	12 weeks	3
6	<b>Introduction to Research Methodology</b>	Prof. Mohammad Azher, Aligarh Muslim university	12 weeks	4

**Department of Food Technology**

S.No	Course Name	Offered by	Duration	Credits
1	Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products	Prof. Hari. Niwas Mishra, IIT Kharagpur	12 weeks	3
2	Canning Technology, Value Addition of Seafood (Fish Processing)	Prof. Abhilash Sasidharan KUFOS Panangad & Prof. Maya Raman	8 weeks	2
3	Thermal Processing of Foods	Prof. R. Anandalakshmi IIT Guwahati	12 weeks	3
4	Novel Technologies for Food Processing and Shelf-Life Extension, IIT Kharagpur	Prof. Hari Niwas Mishra	12 weeks	3
5	Food Packaging Technology	Prof. Maya Raman, Prof. Jenny Ann John	8 weeks	2



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"CELEBRATING DREAMS"

6	Food Science and Technology, IIT Kharagpur	Prof. Hari. Niwas Mishra, IIT Kharagpur	12 weeks	3
7	Food Microbiology for Safe and Sustainable Food Systems, IIT Kharagpur	Prof. Prem Prakash Srivastav, IIT Kharagpur	8 weeks	2
8	Dairy and Food Process and Products Technology, IIT Kharagpur	Prof. Tridib Kumar Goswami	12 weeks	3

#### Department of PCM/CS

S.No	Course Name	Offered by	Duration	Credits
1	DBMS(Sem-II)	Professor Sreenivasa Kumar , IIT Madras	12 weeks	3
2	Data Structures and Algorithms Design(Sem.-III)	Prof. Nitin Saxena IIT Kanpur	12 weeks	3
3	Computer Networks And Internet Protocol(sem.IV)	Prof. Soumya Kanti Ghosh, Prof. Sandip Chakraborty, IIT Kharagpur	12 weeks	3
4	Programming with Generative AI	Prof.Vijay Kumar IISC Bangalore	08 weeks	2