

## About MOOC

**Massive Open Online Courses (MOOCs)** are online courses accessible for everyone to enroll. It provides affordable and flexible ways to learn new skills, advance in career and deliver quality educational experiences. MOOCs are used for career development, college/ University preparations, supplemental learning and value-addition, corporate e-learning and training and so on. Several E-learning platforms such as, Coursera, Udemy, Edx, Khan Academy, Peer-to-Peer University (P2PU), Swayam (NPTEL), etc are currently used for MOOCs.

## About SWAYAM

SWAYAM is an educational initiative by Ministry of Education, Government of India and is designed to achieve the three cardinal principles of Education Policy (access, equity and quality). The objective is to provide the best teaching learning resources to all, including the most disadvantaged group. SWAYAM seeks to bridge the digital divide, even for those who remain ignorant of the digital revolution and have not been able to join the mainstream of the knowledge economy.

In order to ensure this, nine National Coordinators have been appointed. They are:

1. AICTE (All India Council for Technical Education) for self-paced and international courses
2. NPTEL (National Programme on Technology Enhanced Learning) for Engineering
3. UGC (University Grants Commission) for non-technical post-graduation education
4. CEC (Consortium for Educational Communication) for under-graduate education
5. NCERT (National Council of Educational Research and Training) for school education
6. NIOS (National Institute of Open Schooling) for school education
7. IGNOU (Indira Gandhi National Open University) for out-of-school students
8. IIMB (Indian Institute of Management, Bangalore) for management studies
9. NITTTR (National Institute of Technical Teachers Training and Research) for Teacher Training programme

**NPTEL** is a joint venture of the IITs and IISc; and was launched in 2003. NPTEL now offers close to 600+ courses for certification every semester in about 22 disciplines. This e-learning platform is very helpful for university-level science, technology, engineering and mathematics subjects. In recent years, applied science based courses are also offered through NPTEL. The recorded classes are open access and operated through Youtube channel for most extensive education in the country.

## About the NPTEL Courses offered by KUFOS

This semester (July to December 2023), Kerala University of Fisheries and Ocean Studies, Kochi, with the assistance from Indian Institute Technology (NPTEL coordinator), will offer two courses in **Food Packaging Technology** ([https://onlinecourses.nptel.ac.in/noc23\\_ge32/preview](https://onlinecourses.nptel.ac.in/noc23_ge32/preview)) and **Canning Technology and Value Addition of Seafood (Fish Processing)** ([https://onlinecourses.nptel.ac.in/noc23\\_ge31/preview](https://onlinecourses.nptel.ac.in/noc23_ge31/preview)). Both are **8-week courses (2 credits)**. The *Food Packaging Technology* course coordinators are **Dr. Maya Raman** and **Dr. Jenny**

**Ann John**, Faculty in Department of Food Science and Technology, KUFOS. In the Food Packaging Technology, the various aspects of food packing materials and packaging systems will be discussed in detail. The testing methods are also elaborated with supporting demonstrations.

The *Canning Technology and Value Addition of Seafood (Fish Processing)* course coordinators are **Dr. Maya Raman** and **Dr. Abhilash Sasidharan** (Faculty in Department of Fish Processing Technology, KUFOS). The canning technology is a conventional processing method. In this course, the origin of canning, process, thermal calculations, value addition and safety aspects of seafood are dealt in detail.

The registration details are available on the NPTEL website (<https://onlinecourses.nptel.ac.in/>) Both the courses will commence on August 21, 2023; and till then the enrollments are open. The course is open for all the stakeholders. This course may also be considered for credit transfer. These course are also AICTE approved FDP courses.

The screenshot shows the NPTEL website interface for the 'Food Packaging Technology' course. The course is listed as 'Upcoming' and is a 'Core' course. It is a 'Multidisciplinary' course with a duration of 8 weeks and 2 credit points. The start date is 21 Aug 2023, and the end date is 19 Oct 2023. The enrollment ends on 21 Aug 2023, and the exam registration ends on 19 Sep 2023. The exam date is 26 Oct 2023 IST. The course is coordinated by Prof. Anoop Ramesh, Prof. Jerry Ann John, and Prof. P. Panagal. The intended audience includes students, researchers, and industrialists.

### Food Packaging Technology

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### Canning Technology and Value Addition of Seafood