



# National Institute for Rubber Training

Rubber Board

Ministry of Commerce and Industry

Government of India

## Certificate Course in Rubber Products Manufacture

**Commences on 15-06-2023**

**Duration : 3 Months**

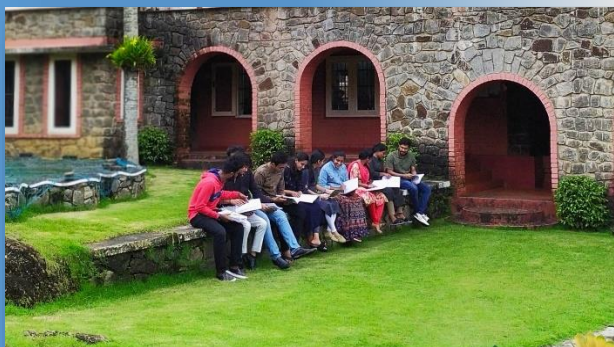
Rubber and rubber-based industries occupy a prominent role in the growth of Indian economy. Rubber is a versatile raw material used in the manufacture of Tyres and a wide range of products in Non-tyre sector. Automotive, Construction, Belting, Footwear, Medical, Railway, Defence, Sports, Consumables etc. are some of the major sectors in which variety of moulded, extruded and calendared products are used. About 50,000 nos. of variety products are manufactured using Natural rubber, synthetic rubber, reclaimed rubber, TPEs etc. and their blends. Thus there exists immense scope for entrepreneurship and employment in this sector. By acquiring adequate technical knowledge and skill, the educated youth can explore the avenues for start ups, business ventures, employment and career advancement.



## About the programme

The course is designed for graduates, diploma holders, engineers, research scholars, students and technical personnel from rubber industry to refresh/update their theoretical and practical knowledge in rubber technology.

The infrastructure and expertise of National Institute for Rubber Training (NIRT) and Rubber Research Institute of India (RRII) will be utilised for conducting this specialized course to equip the candidates for their academic or industrial pursuits.



### Who will benefit

- ❖ Students, research scholars and faculty who are pursuing research/academic career in rubber technology and related areas.
- ❖ Professionals/interested persons who aspire to build their career in the field of rubber through employment/career advancement/entrepreneurship.



### Course content

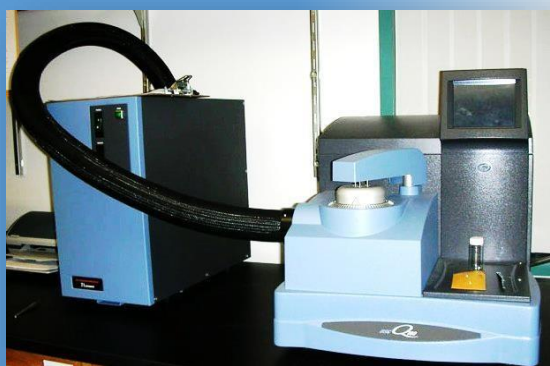
- ❖ Fundamentals of rubber technology
- ❖ Natural rubber and synthetic rubbers
- ❖ Rubber chemicals and additives
- ❖ Product manufacturing technology
- ❖ Process control and cure characteristics
- ❖ Product development
- ❖ Reverse engineering/design of product formulations
- ❖ Testing and quality control as per National and International Standards.
- ❖ Test data analysis
- ❖ Life prediction of rubber products





## Hands on sessions

- ❖ Rubber compounding
- ❖ Product Manufacturing
- ❖ Raw material testing
- ❖ Process control tests
- ❖ Physical testing
- ❖ QA of rubber products
- ❖ Latex Products manufacture



## Contact

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**For Registration click:**

<https://training.rubberboard.org.in/online/?SelCourse=Mjgy>



- Rheometer MDR
- Haake Rheocord 90
- Mooney viscometer
- Plastimeter
- RPA
- UTM
- MTS
- Ozone chamber
- Goodrich Flexometer
- De-mattia/Ross Flexing Tester
- Air Permeability tester
- GCMS, GPC, DMA
- Particle size analyser
- Dispergrader
- MST Tester
- Brookfield Viscometer
- FTIR, TGA

## Course fee

**Rs. 25000/-**(18% GST extra).  
Fee includes registration kit and course material.

Seats are limited and the admission will be based on a screening test



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