



**KAMARAJ IAS ACADEMY**  
Only IAS Academy by Grandson of "Perunthalsivara Kamarajar"

# 5 years of National Technical Textiles Mission

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## Context

The **National Technical Textiles Mission (NTTM)**, launched in **2020** by the **Ministry of Textiles**, aims to position India as a **global leader in technical textiles** by **2025-26** and has **completed 5 years**.

**Technical Textiles:** Technical textiles are **functional fabrics** made from **natural and synthetic fibers**, used across industries like **defense, healthcare, infrastructure, automotive, medicine** etc.

**Examples:** Mosquito nets, seat belts, helmets, fireproof jackets, and sanitary napkins

## National Technical Textiles Mission

NTTM: Launched for a period from **2020-21 to 2025-26**, the mission focuses on promoting research, market growth, exports, and skill development in key sectors like **agriculture, healthcare, and infrastructure** in technical textiles

Key Components: **Supporting R&D** for new materials, promoting market adoption, **strengthening exports**, and **training** 50,000 individuals through skill development programs

## Other Schemes Related to the Textile Sector:

**PM MITRA Park Scheme**,

**Amended Technology Upgradation Fund Scheme (ATUFS)**,

**Scheme for Integrated Textile Parks (SITP)**,

**SAMARTH Scheme**

**PM Mega Integrated Textile Regions and Apparel (PM MITRA) Park Scheme:** Launched to create integrated textile parks under **PPP mode** via **SPVs**, with facilities like processing units and design centres

Inspired by the **5F vision (Farm to Fibre to Factory to Fashion to Foreign)**, it aims to boost competitiveness, cut logistics costs, and generate jobs in the textile sector

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## Textile Industry Overview



### Projected Growth

Industry To Reach  
US\$350 Billion  
By 2030.

### Global Standing

6th Largest  
Textile Exporter

### Economic Contribution

2% of India's GDP  
10% Of Industrial  
Production

### Textile Import Decreased



# TECHNICAL TEXTILE

*Technical or engineered textiles are defined as products, materials, and fibres that are used for functional rather than aesthetic purposes*

## 12 APPLICATION SEGMENTS



## SIZE OF TECHNICAL TEXTILES MARKET

- ↳ Indian - USD 23 bn (2023)
- ↳ Global - USD 202.93 bn (2023)

## EMPLOYMENT STATUS

- ↳ Contributes 2.3% to India's GDP
- ↳ 13% of industrial production, 12% export earnings

## LEADING COUNTRIES

- ↳ China, US and Germany (60% of annual output)
- ↳ India - 5th largest producer (however, <2% share in global export market)

## NATIONAL POLICIES AND SCHEMES

- ↳ National Technical Textiles Mission (NTTM)
- ↳ Technology Mission for Technical Textiles (TMTT)
- ↳ Technology Upgradation Fund Scheme (TUFS)

## FDI POLICY IN

- ↳ 100% FDI appr
- ↳ Mauritius, Belg

## OTHER INITIAT

- ↳ Textile Research
- ↳ Centres of Exc
- ↳ Focus Incubati

## CHALLENGES F TEXTILES INDU

- ↳ Inadequate pro  
Fibres
- ↳ Lack of entrep  
of skill-training
- ↳ Lack of global
- ↳ Inadequate R&