

TECHNOPRENEURSHIP

SCHEDULE



28TH JULY TO
02ND AUG 2025

28TH JULY
(ONLINE)

DAY
01

Welcome session (ITT & TSSC)
Types & applications of high-performance fibres;
yarns for military, firefighting, and PPE,
Time - 15:00HRS – 18:00HRS

29TH JULY
(ONLINE)

DAY
02

Types of IFR fibres; blending techniques and
benefits; challenges and opportunities,
Time - 15:00HRS – 18:00HRS

30TH JULY
(ONLINE)

DAY
03

Testing of hazards (EN 388, EN 407, EN 1149, ISO
11611/11612); global textile certifications (ISO,
ASTM, EN, IS), Time - 15:00HRS – 18:00HRS

31TH JULY
(ONLINE)

DAY
04

Sustainable protective textiles; marketing,
branding; OekoTex, PFAS; IP creation
Time - 15:00HRS – 18:00HRS

01TH AUG
(SONIPAT)

DAY
05

Testing for mechanical & electrostatic hazards;
flame and heat resistance demonstrations
Time - 10:00HRS – 18:00HRS

02ND AUG
(SONIPAT)

DAY
06

Ring spinning of para-aramid fibres; technical yarn
faults; roving yarn; waterless washing; conductive
yarn challenges, Time - 10:00HRS – 18:00HRS

05TH AUG
(ONLINE)

DAY
07

Online test covering technical topics and
entrepreneurship
Time - 15:00HRS – 18:00HRS



TECHNOPRENEURSHIP

Schedule



Day-wise tentative schedule

Day 1

15:00 – 15:45

- Introduction to High-Performance Fibres & Yarns

(Dr Nandan Kumar, Director, High Performance Textiles Pvt Ltd)

15:45 – 16:30

- Introduction to UHMwPE fibres: Importance & recent developments

(Mr. Olivier Boubeaud, Innovarte Europe S.R.L)

16:30 – 17:15

- Introduction to Para-aramid Kevlar® fibres: Importance & recent developments (Mr. Gaurav Jain, DuPont Specialty Products India)

17:15 – 18:00

- Introduction to Meta-aramid Teijinconex® fibres Mr. Pankaj Das, Teijin India)

Day 2

15:00 – 15:45

- Blending techniques, benefits and challenges (Dr Nandan Kumar)

15:45 – 16:30

- Introduction to Protex ® F fibres (Mr Phil Briggs, Waxman, UK)

16:30 – 17:15

- Introduction to FR viscose fibres (Mr Prasanna Joshi, Aditya Birla Group, India)

17:15 – 18:00

- Introduction to FR nylon fibres (Mr Sachin Kuzhikombil, EMS, Switzerland)

Day 3

15:00 – 15:45

- Standards & Testing (Mechanical & Electrostatic hazards) (Dr Nandan Kumar)

15:45 – 16:30

- Standards & Testing (Thermal hazards) (Dr Nandan Kumar)

16:30 – 17:15

- Aluminised IFR fabric (Challenges & Opportunities), (Dr Prasun Roy, CFEEES, DRDO)

17:15 – 18:00

- Introduction to Polyacrylate fibres (Ms Rita Lima, Tecstar, ADI Group)

18:00 – 18:45

- Flame-Retardant Clothing for Oil & Gas industries (Dr Sumit Mandal, Oklahoma State University, Oklahoma, USA).

Day 4

15:00 – 16:00

- Recycling Challenges & Sustainability (Dr Nandan Kumar)

16:00 – 17:00

- Introduction to PPS fibres (Mr R. Jayakumar, Toyobo, India)

17:00 – 18:00

- IP creation: Patent, Copyright & Trademark (Mr Prateek Shrivastava, PNA Intellectual Property & Attorneys)



INSTITUTE OF TECHNICAL TEXTILES



N.S.D.C.
National
Skill Development
Corporation

Transforming the skill landscape

TECHNOPRENEURSHIP

Schedule



Day-wise tentative
schedule

Day 5

10:00 – 15:30

15:30 – 16:30

16:30 onwards

- Testing (Mechanical, Thermal & Electrostatic Hazards) (ITT Team)
- Introduction to FR treatments (Mr Khuswinder Dhillon, Consultant, ITT)
- Discussion & Case Studies

Day 6

10:00 – 11:00

11:00 – 13:00

14:00 – 15:00

15:00 onwards

- Demonstrations - High Performance Fibres (Para-Aramid, Meta-Aramid, PBO, PBI, Polyacrylate, FR Viscose, Preox, UHMwPE, Glass, Basalt, Steel Sliver, Tungsten, FR Nylon, PPS, Polycrystalline, PTFE)
- Spinning: Challenges of High Performance Fibres
- Life Cycle Assessment (Ms Neera Singh, Director, ATDC, India)
- Discussion & Case Studies

Day 7

15:00 – 17:00

Online test covering technical topics and entrepreneurship
Note: Certificate will be awarded upon successful completion of all sessions (Day 1 to Day 6) and the online evaluation (Day 7).

REGISTER NOW



HYBRID MODE

Online participants : ₹ 1,000 (Day 1 to Day 4)

Offline participants : Industry professionals - ₹ 5,000 ;

Faculty & Students - ₹ 2,500

*GST will be applicable additionally.

BANK DETAILS

A/C No. - 50200090307345 ; IFSC - HDFC0002707

Bank Name - HDFC Bank Ltd ; Branch - Sector 11, Panipat



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