



# CAPACITY BUILDING PROGRAMME

of **ICAR-NINFET** for 2022

## THE INSTITUTE – AN OVERVIEW

ICAR-National Institute of Natural Fibre Engineering and Technology is a premier institute under Indian Council of Agricultural Research, New Delhi and dedicated to the cause of natural fibres leading to the diversified use and industrial growth.

### About us

The institute is adequately equipped with the state of the art laboratories having sophisticated instruments, equipments, machinery, workshop, library, pilot plant along with guest house on the adjoining campus of staff quarters.

The research and development programs of the institute are implemented through four full fledged divisions namely Quality Evaluation and Improvement (QEI), Mechanical Processing (MP), Chemical and Bio-Chemical Processing (C&BP), and Transfer of Technology (TOT).

### Human Resource Development

A centre of human resource development in relation to natural fibres and establish linkages among different scientific and industrial organisations through exchange of scientific and technological knowledge.

**ICAR-National Institute of Natural Fibre Engineering and Technology**  
**(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)**



## Foreword

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ICAR-National Institute of Natural Fibre Engineering & Technology plays a pivotal role in enhancing the capacities and rendering technological support of individuals and institutions for extraction, characterization, value addition and product development of natural fibres coupled with skill and entrepreneurship development for making diversified products and generating awareness of fibre retting, fibre extraction and grading technologies for economic empowerment of the rural people.

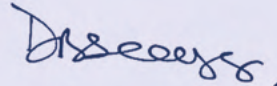
In over last eight decades, the Institute has been contributing significantly through generating newer scientific knowledge, new research findings, developing technologies on natural fibres and leveraging these to make a positive socio-economic impact.

In the recent years, the Institute widened its scope of activities and initiated new capacity building programmes on diversified areas of natural fibres and contributed for sustainable development of natural fibres and textile sector.

As a pioneering institute on natural fibre, the institute focuses on creation, dissemination and application of knowledge through its training, research and consultancy and policy support programmes.

The Calendar for Capacity Building Programmes for the year 2022 of ICAR-NINFET has been prepared based on the HRD needs of Institute and past experiences in conducting several capacity building programmes.

I compliment the HRD Cell of ICAR-NINFET for their concerted efforts in bringing out this publication.

  
(Dr. D. B. Shakyawar)  
Director





# TRAINING

## Capacity Building Programme of ICAR–NINFET for 2022

Sl. No.	Name of the Programme	Duration & Tentative dates	Programme Fee for Non-ICAR Participants*	Eligibility	Programme contents	Coordinator(s)
01.	Fibre Quality Evaluation and Grading System	3 Days (January 20-22, 2022)	Online fees: Rs.1000/-+GST (18%) Offline fees: Rs.1500/-+GST (18%)	ICAR & Non-ICAR Officials, Entrepreneurs, Students, Research Scholars	<ul style="list-style-type: none"> <li>Modern fibre grading system</li> <li>Development of fibre grading instrument</li> <li>Prediction of fibre quality parameters through modeling</li> <li>Impact of retting accelerator on improvement of fibre quality</li> <li>Impact of fungal retting on improvement of fibre quality</li> <li>Impact of bacterial culture on improvement of fibre quality</li> <li>Microbial strains and their role in improvement of fibre quality</li> <li>Role of quality control centre of ICAR-AINPJAF towards selection of variety</li> </ul>	<p>Dr. Biplab Saha Principal Scientist &amp; Head QE&amp;I Division <a href="mailto:biplabsa@yahoo.com">biplabsa@yahoo.com</a> 9007838940</p> <p>Dr. Nagesh Kumar Scientist, QE&amp;I Division <a href="mailto:nagesha.kumar88@gmail.com">nagesha.kumar88@gmail.com</a> 9845429409</p> <p>Dr. Mnjunatha BS Scientist, QE&amp;I Division <a href="mailto:manjunatha.bs@icar.gov.in">manjunatha.bs@icar.gov.in</a> 9654706377</p>
02.	Training on ISO 9001:2015 QMS	3 Days (February 16-18, 2022)	Online fees: Rs.2500/-+GST (18%) Offline fees: Rs.3000/-+GST (18%)	ICAR & Non-ICAR Officials	<ul style="list-style-type: none"> <li>Fundamentals of ISO 90001:2015</li> <li>Quality Management systems</li> <li>Internal Auditing</li> <li>Risk Analysis</li> <li>Achieving Quality Objectives</li> </ul>	<p>Dr. Avijit Das Principal Scientist ICAR-NINFET <a href="mailto:avijitcrri@gmail.com">avijitcrri@gmail.com</a> 8902737727</p> <p>Dr. D.P.Ray Principal Scientist ICAR-NINFET <a href="mailto:dpray2017@gmail.com">dpray2017@gmail.com</a> 7439626004</p> <p>Dr. Atul Singha Senior Scientist ICAR-NINFET <a href="mailto:singha.atul@gmail.com">singha.atul@gmail.com</a> 9794361102</p>
03.	Quality Improvement programme on Advances in Chemical processing & Biochemical finishing techniques of natural fibre based products	3 Days February 24-26, 2022	Online fees: Rs.1000/-+GST (18%) Offline fees: Rs.1500/-+GST (18%)	Research scholar/ Technical officer/Academician /Scientist of ICAR & Non-ICAR Officials Free for ICAR Officials	<ul style="list-style-type: none"> <li>Desizing of natural fibre</li> <li>Scouring &amp; bleaching of natural fibre</li> <li>Coloration of textile</li> <li>Water repellent and softening finishing of textile</li> <li>Assessment of pretreated, coloured and finished textiles</li> <li>Fastness properties evaluation of textile</li> </ul>	<p>Dr.S.N.Chattopadhyay Principal Scientist &amp; Head, CBP Division ICAR-NINFET <a href="mailto:sambhu_in@yahoo.com">sambhu_in@yahoo.com</a> 9330441553</p> <p>Dr. K.K.Samanta Scientist ICAR-NINFET <a href="mailto:karticksamanta15@gmail.com">karticksamanta15@gmail.com</a> 7980217850</p>

\* No Fees for ICAR Participants



Sl. No.	Name of the Programme	Duration & Tentative dates	Programme Fee for Non-ICAR Participants	Eligibility	Programme contents	Coordinator(s)
04.	Characterization and Quality Evaluation of Natural Fibres	5 days (March 1-5, 2022)	Online fees: Rs.2500/- +GST (18%) Offline fees: Rs.3250/- +GST (18%)	ICAR & Non-ICAR Officials Entrepreneurs, Students, Research Scholars	<ul style="list-style-type: none"> <li>Characterization of natural fibre through Instrumental and chemical evaluation</li> <li>Quality evaluation of natural fibres</li> </ul>	<p>Dr. D.P.Ray Principal Scientist &amp; Nodal Officer, HRD ICAR-NINFET <a href="mailto:dpray2017@gmail.com">dpray2017@gmail.com</a> 7439626004</p> <p>Dr. R.K.Ghosh Scientist, CBP Division ICAR-NINFET <a href="mailto:iarirakesh@gmail.com">iarirakesh@gmail.com</a> 8420749440</p> <p>Dr. Nilimesh Mridha Scientist, QEI Division ICAR-NINFET <a href="mailto:nilimesh.mridha@gmail.com">nilimesh.mridha@gmail.com</a> 7982974908</p>
05.	Quality Improvement programme on natural fibre based composite materials & its evaluation	5 Days (April 25-29, 2022)	Online fees: Rs.2500/- +GST (18%) Offline fees: Rs.3250/- +GST (18%)	ICAR & Non-ICAR Officials Entrepreneurs, Students, Research Scholars	<ul style="list-style-type: none"> <li>Concepts of composites</li> <li>Quality Improvement programme on natural fibre based Biocomposites,</li> <li>Property of natural reinforcement</li> <li>Preparation methods</li> <li>Evaluation of compiste</li> <li>Application of composites</li> </ul>	<p>Dr.L.Ammayappan Principal Scientist ICAR-NINFET <a href="mailto:lammayappan@yahoo.co.in">lammayappan@yahoo.co.in</a> 8296355193</p> <p>Dr. P. C. Sarkar Principal Scientist ICAR-NINFET <a href="mailto:drpcsarkar@gmail.com">drpcsarkar@gmail.com</a> 9709009004</p> <p>Dr. Niranjana Kumar Scientist ICAR-NINFET <a href="mailto:niranjana.kumar1@icar.gov.in">niranjana.kumar1@icar.gov.in</a> 9971090885</p>
06.	Training programme on Natural Fibre Based Value added Product Development	5 days (May 24-28, 2022)	Online fees: Rs.2500/- +GST (18%) Offline fees: Rs.3250/- +GST (18%)	ICAR & Non-ICAR Officials, Entrepreneurs, Faculty members of college & officers working in State/ Central Govt. Departments	<ul style="list-style-type: none"> <li>Wealth of Indian Natural fibres</li> <li>Potentiality of these natural fibres</li> <li>Importance of Fibre extractors for availability natural fibres towards 'Atmnirvar Bharat'</li> <li>Design development for unique value added products</li> <li>Entrepreneurship development in natural fibre based value added products</li> </ul>	<p>Dr. A. N. Roy Principal Scientist &amp; Head, ToT Division <a href="mailto:a_n_royin@yahoo.co.in">a_n_royin@yahoo.co.in</a> 9163125976</p> <p>Dr. L. K. Nayak Principal Scientist, ToT Division <a href="mailto:lxmikanta8495@rediffmail.com">lxmikanta8495@rediffmail.com</a> 8777891963</p> <p>Er. H. Baite Scientist, ToT Division <a href="mailto:hkt.baite@icar.gov.in">hkt.baite@icar.gov.in</a> 9776309963</p>
07.	An introductory course on 'Nonwoven technology from lignocellulose fibres and quality evaluation' for teachers, scientists, entrepreneurs & industry	5 days (June 14-18, 2022)	Online fees: Rs.2500/- +GST (18%) Offline fees: Rs.3250/- +GST (18%)	Teachers, scientists, entrepreneurs & industry	<ul style="list-style-type: none"> <li>Production &amp; extraction: Properties &amp; evaluation</li> <li>Chemical modification of fibre</li> <li>Needle punched nonwoven</li> <li>Adhesive bonded nonwoven</li> <li>Thermal bonded nonwoven</li> <li>Products &amp; Applications</li> <li>Textile statistics and SQC</li> <li>Evaluation of fabric</li> <li>Finishing of nonwoven fabric</li> <li>Problems and prospects</li> </ul>	<p>Dr. S.Sengupta Principal Scientist &amp; Head MP Division <a href="mailto:drssengupta42@gmail.com">drssengupta42@gmail.com</a> 9433080878</p> <p>Dr. Sanjoy Debnath Principal Scientist MP Division <a href="mailto:sanjoydebnath@yahoo.com">sanjoydebnath@yahoo.com</a> 7890008322</p> <p>Dr. Manisha Jagadale Scientist</p>

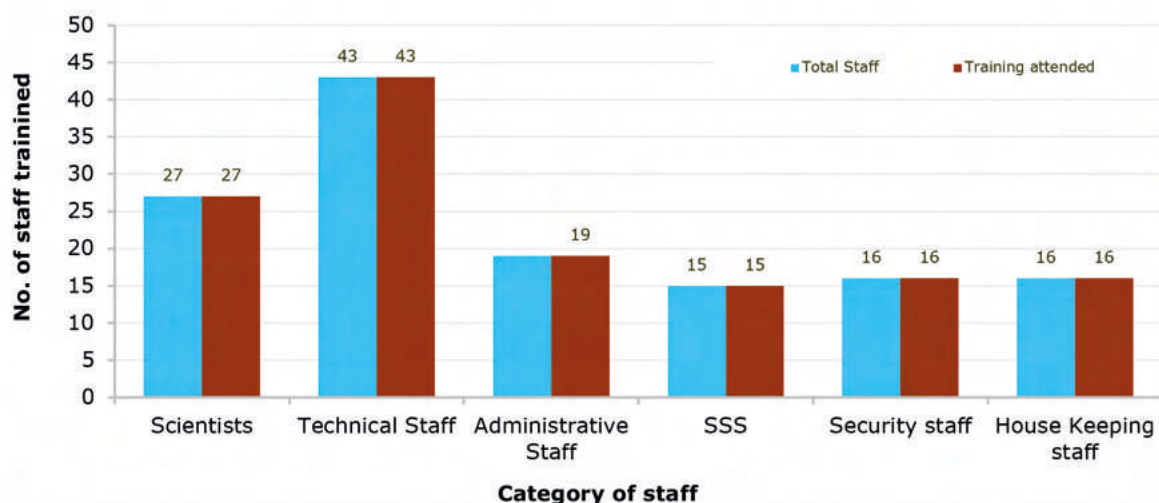


Sl. No.	Name of the Programme	Duration & Tentative dates	Programme Fee for Non-ICAR Participants	Eligibility	Programme contents	Coordinator(s)
						MP Division <a href="mailto:manisha.jagadale.123@gmail.com">manisha.jagadale.123@gmail.com</a> 9850135469
08.	Capacity building programme for administrative staff	3 days (June 27-29, 2022)	Online fees: Rs.1000/- +GST (18%) Offline fees: Rs.1500/- +GST (18%)	ICAR & Non-ICAR Officials	<ul style="list-style-type: none"> <li>E-office,</li> <li>ERP,</li> <li>Online Meeting</li> <li>Leave rules,</li> <li>Managerial skills</li> </ul>	<p>Mrs. Anasua Majumder Finance &amp; Accounts Officer ICAR-NINFET <a href="mailto:anasua.majumdar@icar.gov.in">anasua.majumdar@icar.gov.in</a> 9433886798</p> <p>Shahzad Javed AAO ICAR-NINFET <a href="mailto:shahzad.javed1987@gmail.com">shahzad.javed1987@gmail.com</a> 9804121793</p>
09.	Quality Evaluation of Natural fibre based Industrial textiles	3 Days (July 6-8, 2022)	Online fees: Rs.1000/- +GST (18%) Offline fees: Rs.1500/- +GST (18%)	ICAR & Non-ICAR Officials, Entrepreneurs, Faculty members of college & officers working in State/ Central Govt. Departments	<ul style="list-style-type: none"> <li>Industry oriented course</li> <li>Basic evaluation of fibre yarn and fabrics</li> <li>Evaluation of technical textiles</li> <li>Instrumental techniques for quality evaluation of natural fibres</li> </ul>	<p>Dr. S. Sengupta Principal Scientist &amp; Head MP Division <a href="mailto:drssengupta42@gmail.com">drssengupta42@gmail.com</a> 9433080878</p> <p>Dr. Manik Bhowmick Scientist, MP Division <a href="mailto:manik.bhowmick@gmail.com">manik.bhowmick@gmail.com</a> 9320363146</p> <p>Dr. Santanu Basak Scientist ICAR-NINFET <a href="mailto:shantanubasak@gmail.com">shantanubasak@gmail.com</a> 9643297075</p>
10.	Mechanization for Extraction of Natural Fibres	3 Days (August 23-25, 2022)	Online fees: Rs.1000/- +GST (18%) Offline fees: Rs.1500/- +GST (18%)	ICAR & Non-ICAR Officials	<ul style="list-style-type: none"> <li>Basic concepts of mechanization in natural fibres.</li> <li>Basic fibre extractors</li> <li>AI based extraction machineries for natural fibre</li> </ul>	<p>Dr. V.B.Shambhu Principal Scientist ICAR-NINFET <a href="mailto:vbs9605@gmail.com">vbs9605@gmail.com</a> 8777675991</p> <p>Sh. Sujai Das Scientist ICAR-NINFET <a href="mailto:sujai_das@yahoo.com">sujai_das@yahoo.com</a> 9836918496</p> <p>Dr. Prateek Shrivastava Scientist ICAR-NINFET <a href="mailto:prateek07shrivastava@gmail.com">prateek07shrivastava@gmail.com</a> 9734045443</p>
11.	Faculty Development programme on Natural Fibre production, processing and Evaluation of value added products	10 days (Sep 20-22, 2022)	Online fees: Rs.5000/- +GST (18%) Offline fees: Rs.6500/- +GST (18%)	Teachers, scientists, entrepreneurs & industry	<ul style="list-style-type: none"> <li>Natural Fibre production s</li> <li>Processing of Natural Fibres</li> <li>Evaluation of value added products</li> </ul>	<p>Dr.L.Ammayappan Principal Scientist ICAR-NINFET <a href="mailto:lammayappan@yahoo.co.in">lammayappan@yahoo.co.in</a> 8296355193</p> <p>Dr. K.K.Samanta Scientist ICAR-NINFET <a href="mailto:karticksamanta15@gmail.com">karticksamanta15@gmail.com</a> 7980217850</p> <p>Dr. Sanchita Biswas Scientist ICAR-NINFET <a href="mailto:sanchita.biswas@icar.gov.in">sanchita.biswas@icar.gov.in</a> 7477852424</p>

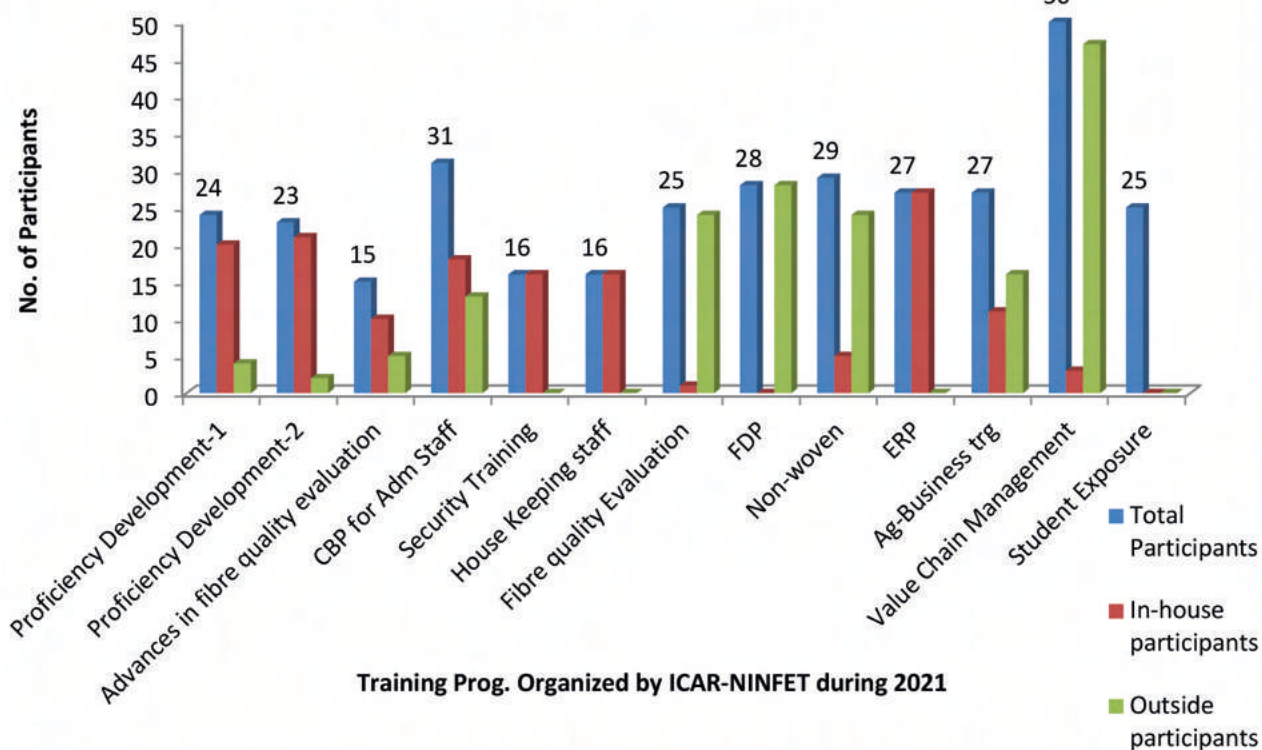


Sl. No.	Name of the Programme	Duration & Tentative dates	Programme Fee for Non-ICAR Participants	Eligibility	Programme contents	Coordinator(s)
12.	A Refresher Course on 'Mechanical Processing of Natural Fibre'	10 days (October 11-20, 2022)	Online fees: Rs.5000/- +GST (18%) Offline fees: Rs.6500/- +GST (18%)	ICAR & Non-ICAR Officials Entrepreneurs, Students, Research Scholars	<ul style="list-style-type: none"> <li>Natural Fibre Production &amp; extraction</li> <li>Natural Fibre Properties &amp; evaluation</li> <li>Technical textiles</li> <li>Chemical modification of fibre &amp; yarn</li> <li>Recent advancement</li> </ul>	<p>Dr. S. Sengupta Principal Scientist &amp; Head MP Division <a href="mailto:drssengupta42@gmail.com">drssengupta42@gmail.com</a> 9433080878</p> <p>Dr. Manik Bhowmick Scientist, MP Division <a href="mailto:manik.bhowmick@gmail.com">manik.bhowmick@gmail.com</a> 9320363146</p> <p>Dr. Santanu Basak Scientist ICAR-NINFET <a href="mailto:shantanubasak@gmail.com">shantanubasak@gmail.com</a> 9643297075</p>
13.	Training Programme on Value Chain Management in Natural Fibres	5 Days (November 22-26, 2022)	No Fees, Sponsored by the Ministry	Faculty member college & officers working in State central Govt. Departments	<ul style="list-style-type: none"> <li>Basics of value chain management</li> <li>Value chain management in Pashmina wool</li> <li>Value chain management in Jute designer fabrics and handicrafts</li> <li>Value chain management in Cotton</li> <li>Value chain Management in Jute technical textiles</li> <li>Value chain Management in fabric coloration and decorated fabrics</li> <li>Bankable project and DPR</li> <li>Marketing of natural fibre products</li> <li>Market-Economic Analysis</li> <li>Value creations of natural fibre through quality Improvement &amp; Determination</li> <li>Facilitating and strengthening of value chains</li> <li>Operation and logistics management in natural fibre product marketing</li> <li>ICT in Value Chain</li> <li>Commodity trading and spot exchanges</li> <li>Formulating value chains and Improving Business environment of value chains with Natural fibres</li> </ul>	<p>Dr. D.B.Shakyawar Course Director</p> <p>Dr. B. Venkat Rao Asst. Director MANAGE, Hyderabad <a href="mailto:bvrao@manage.gov.in">bvrao@manage.gov.in</a> 9848308114</p> <p>Dr. D.P.Ray Principal Scientist &amp; Nodal Officer, HRD ICAR-NINFET <a href="mailto:dpray2017@gmail.com">dpray2017@gmail.com</a> 7439626004</p> <p>Dr. Sanjoy Debnath Principal Scientist MP Division <a href="mailto:sanjoydebnath@yahoo.com">sanjoydebnath@yahoo.com</a> 7890008322</p>
14.	Training programme on Agri-business, IP management and Entrepreneurship development in natural fibre sector	5 days (December 5-9, 2022)	Online fees: Rs.2500/- +GST (18%) Offline fees: Rs.3250 +GST (18%)	ICAR & Non-ICAR Officials, Entrepreneurs, Faculty members of college & officers working in State/ Central Govt. Departments	<ul style="list-style-type: none"> <li>Concept of Agri-business</li> <li>Intellectual Property Rights (IPR) and its importance</li> <li>Branding and IP protection</li> <li>Market potential of natural fibre based products</li> <li>Schemes and supports related to entrepreneurship in natural fibres.</li> </ul>	<p>Dr. A. N. Roy Principal Scientist &amp; Head, ToT Division <a href="mailto:a_n_royin@yahoo.co.in">a_n_royin@yahoo.co.in</a> 9163125976</p> <p>Dr. L. K. Nayak Principal Scientist, ToT Division <a href="mailto:laxmikanta8495@rediffmail.com">laxmikanta8495@rediffmail.com</a> 8777891963</p> <p>Dr. S. B. Roy Principal Scientist, ToT Division <a href="mailto:drroysb@gmail.com">drroysb@gmail.com</a> 9433156187</p>

## Training Performances by ICAR-NINFET 2015-21



## Participation Performances in different Training programmes Organized by ICAR-NINFET during 2021







We strive to provide high-quality service and support with the latest and most innovative technology to-date.

Contact :  
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