

**List of DST Training Programmes for the Calendar years 2021-22 (Online)**

Sl. No.	Programmes	Date	Programme Coordinators	Mode
	2 <sup>nd</sup> T.P. on Water Resources Management & Sustainable Habitat (Scientist & Technologists All Levels) <b>(1-week)</b>	November 8-12, 2021	Prof. Vinod K. Sharma Dr. Shyamli Singh	Online
	11 <sup>th</sup> T. P. on Science, Technology and Emerging Trends in Governance (Scientist & Technologists All Levels) <b>(1-week)</b>	December 20-24, 2021	Prof. Vinod K. Sharma Dr. Shyamli Singh	Online
	10 <sup>th</sup> T.P. on Financial Management in Scientific Organisations for Scientists and Technologists (Scientist & Technologists All Levels) <b>(1-week)</b>	January 17-21, 2022	Dr. Pawan K. Taneja	Online
	16 <sup>th</sup> Capacity Building Programme for Technical Personnel (Technical Officer, Technical Personnel, Technician, Senior Technician, Junior Analyst) <b>(2 -weeks)</b>	February 07-18, 2022	Prof. Vinod K. Sharma Dr. Shyamli Singh	Online
	10 <sup>th</sup> T. P. on Science & Technology for Rural Societies ( <b>Women Component</b> ) (Scientist & Technologists All Levels) <b>(1-week)</b>	February 21-25, 2022	Prof. Vinod K. Sharma Dr. Charru Malhotra	Online
	4 <sup>th</sup> T.P. on Science & Technology for Rural Societies (Scientist & Technologists All Levels)	March 07-11, 2022	Prof. Vinod K. Sharma Dr. Charru Malhotra	Online

## **2<sup>nd</sup> Training Programme on Water Resource Management & Sustainable Habitat (November 08-12, 2021)**

### **Introduction**

Water is a key driver of economic and social development while it also has a basic function in maintaining the integrity of the natural environment. However water is only one of a number of vital natural resources and it is imperative that water issues are not considered in isolation. Managers, whether in the government or private sectors, have to make difficult decisions on water allocation. More and more they have to apportion diminishing supplies between ever-increasing demands. Drivers such as demographic and climatic changes further increase the stress on water resources. The traditional fragmented approach is no longer viable and a more holistic approach to water management is essential. The 21<sup>st</sup> century society is facing all kind of problems related to water. Can we keep our feet dry and prevent our properties from flooding? Can we make our rivers and lakes clear and clean again. Can we reduce our use of scarce fresh water resources, so that future generation also can use them? How can we prevent our natural areas against groundwater depletion and how to preserve also many recreation areas? Which measures can we take to reduce the costs? This requires smart and clear policies and transparent decision-making, besides application of new technological developments. In this short course on water resource management, the participant will learn about the way of managing water resource.

### **Objectives**

- To discuss importance of water in agriculture and urbanization
- To focus on impact of climate change on water resources
- To understand water as a resource or as a natural disaster
- To highlight water policy and its significance in the present ecosystem
- To apprise the participants about feasible remedial measure to create a sustainable habitat.

### **Contents**

- An overview of the existing water resource management system
- Water resource management from natural disaster perspective
- Linkage between water policy, disaster management policy and climate change action plan of the country
- Water in core sectors
- Impact of climate on water resources of India
- Water quality and its sustenance in the ecological systems
- Experiential case study of Management of Wetland Ecosystem

### **Training Methodology and Activities**

The program will take a comprehensive approach, including intensive theoretical lectures, advanced interactions.

The organizers aim to help participants develop a deeper expertise in the different contours of water resource management and sustainable habitat. A number of activities will be organized involving domain experts in order to promote knowledge sharing and to develop opportunities for future exchanges and collaboration.

**11<sup>th</sup> Training Programme on Science, Technology and Emerging Trends in Governance  
for Scientists and Technologists of the S & T Departments,  
Government of India (All Levels)  
(December 20- 24, 2021)**

The programme aims to provide an in-depth analysis of the complex process of governance, involvement of various institutions and the civil society. The participants can comprehend the various issues and challenges of good governance which will enable them to strategize their role in ensuring good governance.

In brief, the objectives are to facilitate the participants to:

- Get a comprehensive understanding of the concept of governance and its importance in contemporary times.
- Comprehend the complex process of interface of science and technology and governance.
- Acquire necessary skills for facing the challenges posed by sweeping changes in governance.
- Appreciate the process of making governance citizen centric.
- Envision the role of scientists and technologists in strengthening governance and democratic structure of the country.

# **10<sup>th</sup> T.P. on Financial Management in Scientific Organisations for Scientists and Technologists Scientist & Technologists (All Levels)**

**(January 17-21, 2022)**

## **OBJECTIVE**

The success of every organization highly depends upon the sound management of financial resources i.e. 'Financial Management'. Financial management is of paramount importance particularly to those organizations which involve huge funds like scientific organizations, research institutes etc. In this reference the present programme attempts to familiarize the participants with some critical financial issues like financial statements, sources of finance, cost control, budgeting, financial appraisal of projects etc. The primary objective of this program is to enable the participants to plan their financial resources and make their best possible use. It attempts to develop a fair understanding of different concepts of financial management to ensure better use of funds.

## **CONTENT**

- Financial information flows and financial reporting
- Analysis of financial statements
- Accounting for depreciation
- Valuation of intangible assets
- Planning for financial inflows
- Cost: Allocation and Control
- Budgeting: Cash budgets and Zero base budgeting
- Project Formulation and financial appraisal

## **METHODOLOGY**

There will be a blend of theory and practice. Suitable numerical exercises, relevant case studies will be used along with the interactive discussions & lectures.

**16<sup>th</sup> Capacity Building programme for Technical Personnel of the Science & Technology  
Departments, Government of India,  
(Technical Officer, Technical Personnel,  
Technician, Senior Technician, Junior Analyst)  
(February 07-18, 2022)**

## **OBJECTIVES**

Capacity building is a process of strengthening the abilities of individuals / organizations to perform core functions sustainably. The goal of capacity building program is to enable the participants to tackle problems more effectively. Keeping this broad objective in mind, this two week programme aims at providing broad overview of financial management, project management and general management. Realizing the specific job requirements of technical personnel, the program will also give exposure of some relevant acts (like IPR, Patent, RTI etc.) and attempt to enhance the potential of participants in writing reports, drafting cabinet notes and making presentations.

## **CONTENT**

The broad areas to be covered under the programme are as under:

- Team building and Motivation
- Communication Skills and Interpersonal Relations
- Financial Statements and their analysis
- General Financial Rules
- Inventory Management
- Total Quality Management
- Project Management
- Economic appraisal of Projects
- Knowledge Management
- IPR/ Patents / Copy Right
- RTI and its implementation
- Conduct Rules and Disciplinary Procedure
- Rate Contract and e-procurement
- Drafting Cabinet Notes
- Report writing and presentations

## **METHODOLOGY**

The methodology of the training program will be a mix of interactive sessions with eminent scientists, administrators, guest faculty and faculty of IIPA. The emphasis will be on case studies, group exercises, management games and field visits.

**10<sup>th</sup> Training Programme on Science and Technology for Rural Societies for  
Women Scientists & Technologists, (under Disha Scheme) (All Levels)  
(February 21-25, 2022)**

India has accomplished significant success in varied fields of science and technology (S &T). The development effects of science and technology research as well as its applications have, however, been quite unevenly spread across the urban and rural India. The rural India, which represents almost two-thirds of the population of the country and has a distinct economic and social set up, with its distinct needs and opportunities, holds considerable promise for scientific indulgence. At the same time, specific initiatives taken by scientists and efforts made to engage with people's science movement on the one hand and to involve scientific community in addressing the rural problems and interests have invited the attention of the nation. This necessitates a more active engagement of scientists at all levels with the understanding of rural context, its problems and opportunities available for more rural society-centered science and technology initiatives. This programme seeks to attempt the same.

**OBJECTIVES:**

The program will expose the women participants to the innovative interventions in the area of S&T, initiated by both state and civil society institutions. The intention is to engage them into creative exercises to think of new possibilities for rural development using science and technology.

In view of the above, the broad objectives of this training are:

- To expose the participants to the complex problems facing rural societies.
- To expose the participants to the existing Rural Development programme, including those with special emphasis on S & T.
- To encourage the participants to analyse the scope for science and technology inputs contributing to improvement of development outcomes.
- To expose the participants to the indigenous knowledge systems prevalent in various parts of India and its relevance for rural society, as also, to encourage them to find grounds for an interface of modern and traditional systems for improving the outcomes.
- To examine possibilities of applications of S & T to improve development outcomes for the rural societies.

**CONTENTS:**

- Rural Society: An Overview of its socio-cultural eco-system and diversity
- Policy Framework for Rural Development and scope for engagement with Science and Technology

- Emerging trends in Science and Technology relevant for rural India
- Indigenous knowledge systems prevalent in various parts of rural societies of India
- Case studies: emphasizing science and technology innovation for Rural Development
- Challenges and Opportunities of interface of science, technology and rural societies

**METHODOLOGY:**

The programme will use Case Studies, lectures as well as brainstorming of innovative ideas generated through Group/panel discussions. Apart from IIPA faculty, distinguished guest speakers would include eminent experts from academia, scientific community, civil society organizations and government organizations. A local field visit to examine some initiatives in the area would also be organised to provide first-hand experience of the subjects under consideration

## **4<sup>th</sup> Training Programme on Science and Technology for Rural Societies For Scientists and Technologists (March 07-11, 2022)**

### **Introduction**

India has accomplished significant success in varied fields of science and technology (S &T). The development effects of science and technology research as well as its applications have, however, been quite unevenly spread across the urban and rural India. The rural India, which represents almost two-thirds of the population of the country and has a distinct economic and social set up, with its distinct needs and opportunities, holds considerable promise for scientific indulgence. At the same time, specific initiatives taken by scientists and efforts made to engage with people's science movement on the one hand and to involve scientific community in addressing the rural problems and interests have invited the attention of the nation. This necessitates a more active engagement of scientists at all levels with the understanding of rural context, its problems and opportunities available for more rural society-centred science and technology initiatives. This programme seeks to attempt the same.

### **Objectives**

The programme will expose the participants to the innovative interventions in the area of S&T, initiated by both state and civil society institutions. The intention is to engage them into creative exercises to think of new possibilities for rural development using science and technology.

In view of the above, the broad objectives of this training are:

- To expose the participants to the complex problems facing rural societies.
- To expose the participants to the existing Rural Development programmes, including those with special emphasis on S & T.
- To encourage the participants to analyse the scope for science and technology inputs contributing to improvement of development outcomes.
- To expose the participants to the indigenous knowledge systems prevalent in various parts of India and its relevance for rural society, as also, to encourage them to find grounds for an interface of modern and traditional systems for improving the outcomes.
- To examine possibilities of applications of S & T to improve development outcomes for the rural societies.



## **Contents**

- Rural Society: An Overview of its socio-cultural eco-system and diversity
- Policy Framework for Rural Development and scope for engagement with Science and Technology
- Emerging trends in Science and Technology relevant for rural India
- Indigenous knowledge systems prevalent in various parts of rural societies of India
- Case studies: emphasizing science and technology innovation for Rural Development
- Challenges and Opportunities of interface of science, technology and rural societies

## **Methodology**

The programme will use Case Studies, lectures as well as brainstorming of innovative ideas generated through Group/panel discussions. Apart from IIPA faculty, distinguished guest speakers would include eminent experts from academia, scientific community, civil society organizations and government organizations. A local field visit to examine some initiatives in the area would also be organised to provide first-hand experience of the subjects under consideration.



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TEL No. 011-26590349, 011-26590340

**NOMINATION FORM**

<b>TRAINING PROGRAMME, INSTITUTE &amp; DATE OF TRAINING</b>	
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<b>NAME</b> Prof./Dr./Mr./Ms.			
<b>DESIGNATION:</b>		<b>ORGANISATION:</b>	
<b>DATE OF BIRTH</b>		<b>DATE OF ENTRY IN GOVT. SERVICE (AS GROUP 'A')</b>	
<b>SEX (M/F)</b>		<b>PRESENT PAY AND PAY LEVEL:</b>	
<b>CATEGORY (GEN /SC/ST/OBC)</b>			
<b>COMPLETE ADDRESS / CONTACT NUMBERS / E-MAIL</b>			

<b>EDUCATIONAL / PROFESSIONAL QUALIFICATIONS (GRADUATION ONWARDS)</b>			
<b>SL. No.</b>	<b>YEAR</b>	<b>DEGREE</b>	<b>UNIVERSITY/INSTITUTE</b>

<b>RESEARCH EXPERIENCE</b>			
<b>SL.NO.</b>	<b>YEAR</b>	<b>TOPIC OF RESEARCH</b>	<b>SPONSORING AGENCY</b>

<b>EXPERIENCE / POSTINGS FROM LEVEL SCIENTIST 'B' ONWARDS (IN GROUP 'A')</b>				
<b>SL.NO.</b>	<b>NAME OF THE ORGANISATION</b>	<b>POST HELD</b>	<b>FROM</b>	<b>TO</b>

<b>TRAINING ATTENDED</b>				
<b>SL.NO.</b>	<b>YEAR</b>	<b>NAME OF THE TRAINING PROGRAMME</b>	<b>NAME OF THE INSTITUTE</b>	<b>DURATION</b>
<b>SPECIFIC AREA IN WHICH SKILL UPGRADATION DESIRED</b>		<b>1.</b> <b>2.</b> <b>3.</b>		

*Signature of the Candidate*

**RECOMMENDATION BY THE CONTROLLING OFFICER**

**(SIGNATURE OF THE RECOMMENDING OFFICER)**  
**Name & Designation with Seal**

## BIODATA

NAME Prof./Dr./Mr./Ms.																		

DESIGNATION:																		
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ORGANISATION:																		

DATE OF ENTRY IN GOVT. SERVICE (AS GROUP 'A')																		
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CATEGORY (GENERAL / SC / ST / OBC )																		
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DATE OF BIRTH											SEX (M/F)			
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PRESENT PAY											PAY LEVEL:								
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COMPLETE ADDRESS (OFFICE)																		

COMPLETE ADDRESS (RESIDENCE)																		

CONTACT DETAILS	PHONE (O)	PHONE (R)	MOBILE No.	E-MAIL

<b>EDUCATIONAL / PROFESSIONAL QUALIFICATIONS (GRADUATION ONWARDS)</b>					
SL. No.	EXAMINATION/ DEGREE	UNIVERSITY/ INSTITUTE	YEAR	SUBJECT	DIVISION/PERCENTAGE OF MARKS

<b>EXPERIENCE / POSTINGS (IN GROUP 'A') (FROM THE LEVEL OF SCIENTIST - 'B' ONWARDS)</b>					
SL.No.	NAME OF THE ORGANISATION	DESIGNATION	FROM	TO	DUTY PERFORMED

<b>TRAINING ATTENDED</b>				
SL.No.	YEAR	NAME OF THE TRAINING PROGRAMME	NAME OF THE INSTITUTE	DURATION

<b>RESEARCH EXPERIENCE</b>				
SL.No.	YEAR	TOPIC OF RESEARCH	SPONSORING AGENCY	GIST OF RESEARCH

<b>PAPER PUBLISHED / PATENT FILED/OBTAINED</b>				
	YEAR	TOPIC OF PAPER/ BOOK	GIST OF PAPER	NAME OF JOURNAL/ MAGZINE/ PUBLISHER

**Briefly give details of significant contribution made by you in the field of Science & Technology during your Service career (200 words).**

Date:

(Signature)