

Online Registration Link for Free STTP: <https://forms.gle/QXBfAjyQiDNmc2in9>

Sl. No.	Prog. Code	Program Title	Registration	Venue	Mode	Coordinator	From	To	Week	Target Participants	Objectives
1	SPL40F	Effective Teaching	Free	Kolkata	ICT	Dr. Habiba Hussain	02/02/2026	06/02/2026	1	Faculty/ staff of all disciplines	<p>Upon successful completion of the programme, participants will be able to</p> <ul style="list-style-type: none"> • Characterise effective teaching • Explain innovative teaching methods • Identify the parameters for teaching assessment • Plan a lesson using experiential strategy • Analyse the components for effective delivery
2	SPL41F	Climate Risk Management	Free	Kolkata	ICT	Dr. Anil Kumar and Dr. Kunwar Raghvendra Singh	09/02/2026	13/02/2026	1	Faculty, Staff, Professionals, Research Scholars from all the discipline	<p>Understand the science, causes, and multisectoral impacts of climate change on ecosystems, economies, and societies.</p> <p>Develop skills for climate risk assessment and vulnerability analysis of sectors, communities, and infrastructure.</p> <p>Learn mitigation strategies to reduce greenhouse gas emissions and promote renewable energy and carbon sequestration.</p> <p>Explore adaptation and resilience-building approaches for agriculture, water resources, infrastructure, and public health.</p>
3	SPL42F	Development of Laboratory Instruction and Manual	Free	Kolkata	ICT	Dr. Subrata Mondal	23/02/2026	27/02/2026	1	Faculty/ staff of all disciplines	<p>After attending this programme, participants would be able to:</p> <ul style="list-style-type: none"> • explore the role of laboratory in student learning; • explore development of laboratory exercise; • explore writing of laboratory report; • explore safety management in laboratory; • explore standard operating procedure (SoP) in laboratory;

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											<ul style="list-style-type: none"> explore development of laboratory manual etc.
4	SPL43F	Values and Ethics for Professionals	Free	Kolkata	ICT	Dr. Mithu Dey	23/02/2026	27/02/2026	1	Faculty/ staff of all disciplines	<p>After completion of the FDP programme, the participants will be able to:</p> <ul style="list-style-type: none"> take decision in critical situation Build trust and credibility take ownership of the work create positive environment in the class room
5	SPL53F	How to Write Thesis and Research paper	Free	Kolkata	ICT	Dr. Rayapati Subbarao	23/02/2026	27/02/2026	1	Faculty of all and Research scholars	<p>After attending the programme, the participants will be able to:</p> <ul style="list-style-type: none"> Paraphrase the basics of thermodynamics. Apply laws of thermodynamics in various problems. Gain more knowledge about entropy and the processes of perfect gases. Identify and analyze thermodynamic air cycles. <p>Familiarize the basics of fuels and combustion.</p>
6	SPL44F	Community Development through Technical Institutes	Free	Kolkata	ICT	Mrs. Sheela Yadav Rai	23/02/2026	27/02/2026	1	Faculty/ staff of all disciplines	<p>After attending the programme the participants will be able to :</p> <p>Know various Community Development Schemes</p> <ul style="list-style-type: none"> Understand Feasibility Report Prepare Reports Make Linkages with Organizations

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7	SPL52F	Machine Learning With Python	Free	Kolkata	Hybrid	Jagadeesh M S	09/03/2026	13/03/2026	1	Faculty, Staff Members, Research scholars from any discipline	Understand Core Machine Learning Concepts; Implement Machine Learning Models Using Python; Prepare and Preprocess Data for Machine Learning; Apply ML Learning Algorithms; Handle Real-World Machine Learning Challenges; Enhance Career Opportunities in AI & Data Science
8	SPL45F	Introduction to Artificial Intelligence	Free	Kolkata	ICT	Indrajit Saha	09/03/2026	13/03/2026	1	Faculty/ staff of all disciplines	<p>After attending the program, the participants will be able to</p> <ul style="list-style-type: none"> • describe the fundamentals of Artificial Intelligence • explain the fundamentals of Bayesian Network (BN) and Artificial Neural Network (ANN) • apply ANN for classification • explain BN and ANN in classroom
9	SPL46F	Introduction to Quantum Computing and Its Applications in Engineering	Free	Kolkata	ICT	Dr. K Venkata Rao	16/03/2026	20/03/2026	1	Faculty/ staff of all disciplines	<p>After attending the programme, the participants will be able to</p> <ul style="list-style-type: none"> • Explain qubits, superposition, and entanglement. • Explore the differences between classical and quantum computing. • Apply quantum computing in key engineering applications. • To confidently teach students in quantum computing topics.
10	SPL47F	IKS-Based Sustainable Mechanical Engineering: From Ancient Wisdom to Industry 5.0	Free	Kolkata	ICT	Dr. Deepak Mehra and Dr. Saurabh Kumar Yadav	16/03/2026	20/03/2026	1	Faculty/ staff of all disciplines	<ul style="list-style-type: none"> • To integrate Indian Knowledge Systems with sustainable mechanical engineering practices. • To relate ancient engineering wisdom with Industry 5.0 concepts. • To promote human-centric and eco-friendly engineering solutions.

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11	SPL48F	Solid Waste Management	Free	Kolkata	Online	Dr. Anil Kumar	16/03/2026	20/03/2026	1	Faculty, Staff, Professionals, Research Scholars from all the discipline	<p>Enhance faculty knowledge of modern solid waste management systems—from collection to treatment and circular economy models—to update academic and practical understanding.</p> <p>Develop curriculum integration skills for designing course modules, labs, and student projects that align with national policies, SDGs, and industry demands.</p> <p>Promote research and innovation in waste valorization, waste-to-energy, digital solutions, and sustainable practices to inspire interdisciplinary projects and publications.</p> <p>Build collaboration capacity with industry, municipalities, and communities to enable real-world problem-solving, consultancy, and societal engagement in waste management.</p>
12	SPL49F	Application of Artificial Intelligence & Machine Learning in Engineering field	Free	Kolkata	ICT	Papia Ray	16/03/2026	20/03/2026	1	Faculty/ staff of all disciplines	<p>After attending this program, participants will be able to:</p> <ul style="list-style-type: none"> • Develop the basic concept of Artificial Intelligence & Machine Learning • Explain the various applications of Artificial Intelligence & Machine Learning • Incorporate the advanced techniques of Artificial Intelligence & Machine Learning in Engineering field applications
13	SPL50F	Assessment Tools and Question Banking	Free	Kolkata	ICT	Dr. Sagarika Pal	23/03/2026	27/03/2026	1	Faculty/ staff of all disciplines	<p>After completion of the program, the participants will be able to</p> <ul style="list-style-type: none"> • Define Measurement, Assessment, Evaluation and Test; • Define Assessment tools • Construct the test items; • Design the table of Specification;

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											<ul style="list-style-type: none">• Prepare the question paper;• Analyze the question paper;• Develop question Bank
14	SPL51F	Traditional Indian Engineering Knowledge and Its Applications in Modern Education Systems	Free	Kolkata	ICT	Dr. Saurabh Kumar Yadav and Dr. Deepak Mehra	23/03/2026	27/03/2026	1	Faculty/ staff of all disciplines	<ul style="list-style-type: none">• To introduce key concepts of traditional Indian engineering knowledge.• To connect ancient Indian practices with modern education systems.• To promote value-based and sustainable engineering education.