



**Institute of Space Technology**  
**Professional Development Center (PDC) Training Calendar 2025**  
**1 Islamabad Highway, Islamabad, Pakistan.**  
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S.No	Title of Training	Subject Area	Name of Principal Speaker (PS)	Host Dept.	Dates	Targeted Audience / Group	CPD Points (If required)	Course Fee per Participant (Rs)	TRG Coordinator (Name & Contact no.)
1	Coatings for industrial (wear, corrosion and aerospace) applications	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	08-Jan-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
2	Technical writing for Researchers	Materials Engineering	Dr. Muhammad Abdul Basit	MS&E	15-Jan-25	Resarchers/Faculty/Scietists/Students		5,000	Ms. Azka Ijaz
3	Composites for Advanced Applications	Materials Engineering	Dr. Saad Nauman	MS&E	16-Jan-25	Resarchers/Faculty/Scietists/Students		25000	Dr. Saad Nauman 0343 5855387
4	How to Perform Failure Analysis	Engineering	Dr. Anjum Tauqir	NCFA	21-22 January, 2025	Design, Manufacturing Quality EngineersMaintenance EngineersMechanical EngineersMaterials EngineersProduction EngineersForensic engineersEngineering Students	1	30,000	Waseem Arshad 03187979220
5	Inspection and Testing of Materials	Materials Engineering	Dr. Abdul Wadood	MS&E	22-Jan-25	Resarchers/Faculty/Scietists/Students		25,000	Dr. Abdul Wadood 03319575370
6	EMC Testing & Analysis	Electromagnetic Interference / Testing	Engr. Irfan Majid, PE Dr Muhammad Amin Engr. Sardar Ahmed PE	Ave	4-7 Feb 2025	Electronics Manufacturers Strat Orgs Def Services, Academia	1	50,000	Engr. Hafiz Ali Ahmad (0307-2369485)
7	Introduction to Programming using MATLAB & Python	Programming	Dr. Ihtaz Qamar	PEARL	11-13 Feb 2025	Officer from Strategic Orgs, Academics, Professional Engineers, Grad & Undergrad students		Students=10,000 Professionas= 15,000	Awais Tahir 0313-8655068
8	Thermal spray coatings (Biomedical, Aerospace, Navy and strategic applications)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	12-Feb-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
9	Microscopy and Microstructures	Materials Engineering	Dr. Abdul Wadood	MS&E	23-Feb-25	Resarchers/Faculty/Scietists/Students		25,000	Dr. Abdul Wadood 03319575371
10	How to Manage Engineering Projects	Engineering and Management	Dr. Anjum Tauqir	NCFA	25-26 February, 2025	Engineers / Managers / Senior Managers involved in ProjectsProcurementPC- I PreparationContracting	1	30,000	Waseem Arshad 03187979220
11	HVOF Spray Coatings (Army, Strategic and Industrial Applications)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	26-Feb-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
12	Astronomy Camp	Astronomy & Astrophysics	PI SARL	NCGSA	February 2025 / March 2025	School & College Students	-	5,000	Mr. Usama Ahmed 051-9075799

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13	Introduction to Chinese Language	Language & Culture	Shuja Ur Rehman	A&A	3-5 Mar 2025	Open of All	-	20,000	Shuja (0303-2401000)
14	Cold spray coatings for industrial applications (Aviation, Aerospace, Agriculture)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	05-Mar-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
15	Human Resource Management for Non-Hr Managers	Management	Dr. Muhammad Anwar Dr. Talha Irfan Khan	Mech	12-Mar-25	Strategic Organization Asst.Managers/Managers	-	20,000	Ms. Rahaya Tayyab 0313-5349490
16	Nanomaterials: Synthesis, Characterization and Engineering Applications	Materials Engineering	Dr. Muhammad Abdul Basit	MS&E	19-Mar-25	Resarchers/Faculty/Scietists/Students		10,000	Ms. Azka Ijaz
17	Aircraft Structural Analysis and Design of Material for Damage Tolerance and Reliability	Aerospace	Dr. Raees Fida Swati / Raja Nouman Haider	A&A	8-10 Apr 2025	Strat Commissions / Any Other	-	25,000	Dr. Raees (0343-9097838) Nouman (0315-5136118)
18	Corrosion Failures in Industry – Sources, Mechanisms & Case Studies	Engineering	Dr. Anjum Tauqir	NCFA	15-16 April, 2025	Operation Managers / Technical Managers Engineers / Post Graduate Students/ Resarchers Industrial Technicians / Trainees Corrosion Engineers / Officers	1	30,000	Waseem Arshad 03187979220
19	Titanium and Titanium Alloys	Materials Engineering	Dr. Abdul Wadood	MS&E	23-Apr-25	Resarchers/Faculty/Scietists/Students		12,000	Dr. Abdul Wadood 03319575372
20	Advanced coatings for industries (High wear, corrosion and hardness problems)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	30-Apr-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
21	One Day Workshop on Risk Management in Technical Projects	Project Management	Dr. Muhammad Anwar Dr. Talha Irfan Khan	Mech	07-May-25	Audience Strategic Organization	-	20,000	Ms. Rahaya Tayyab 0313-5349490
22	Plasma Spray coatings for Industrial Applications (High wear and thermal barrier coatings)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	14-May-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
23	Atomic Microscopy and Nanoindentation	Materials Engineering	Dr. Muhammad Abdul Basit	MS&E	15-May-25	Resarchers/Faculty/Scietists/Students		20,000	Ms. Azka Ijaz
24	Occupational Health and Safety	Materials Engineering	Dr. Abdul Wadood	MS&E	21-May-25	Resarchers/Faculty/Scietists/Students		12,000	Dr. Abdul Wadood 03319575373
25	Energy Audit	Energy Management	Dr. Muhammad Anwar Dr. Talha Irfan Khan	Mech	28-May-25	Audience Strategic Organization	-	20,000	Ms. Rahaya Tayyab 0313-5349490

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26	Workshop on Remote Sensing and Applications	Remote Sensing & GIS	NCGSA Scientific Committee	NCGSA	June 2025 / July 2025	Early Career Professionals & Students	-	Professionals: 10,000 Students: 2,500	Mr. Usama Ahmed 051-9075799
27	Thermal spray coatings (Biomedical, Aerospace, Navy and strategic applications)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	04-Jun-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
28	PROGRAMMING MEASUREMENT ROUTINES WITH PC-DMIS ON CMM (COORDINATE MEASURING MACHINE)	Reverse Engineering & Inspection Techniques	Engr. Shahroze Umar	Mech	12-Jun-25	OEMs in Manufacturing, Strategic Organizations	-	25,000	Ms. Rahaya Tayyab 0313-5349490
29	Coatings for industrial (wear, corrosion and aerospace) applications	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	18-Jun-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
30	ADPL ANSYS FEA: From CAD to Analysis	FEA/Numerical Analysis	Engr. Saad Akram	Mech	24-Jun-25	Institutions, Research Organizations	-	5,000	Ms. Rahaya Tayyab 0313-5349490
31	Reverse Engineering	Engineering	Dr. Anjum Tauqir	NCFA	24-25 June,2025	Engineer / Managers / Senior Managers involved in Manufacturing, Reverse Engineering and Indigenization Quality Assurance and Standardization Issues Structural Design, Production and Maintenance problems Researchers & Students of Materials Engineering, Structures, Design and Safety	1	30,000	Waseem Arshad 03187979220
32	Smart Manufacturing and Monitoring: Integrating Additive Manufacturing, Nanotechnology, and Wireless Sensor Systems	Advanced Manufacturing and Smart Materials in Mechanical Engineering	Dr. Yumna Quresh	Mech	03-Jul-25	Institutions, Research Organizations	-	20,000	Ms. Rahaya Tayyab 0313-5349490
33	Selection of Compressor and Design of Compressed Air System	Selection of compressed based on application,	Dr. Naseem Ahmad	Mech	18-Jul-25	Strategic Organizations, Research Engineers, University Researchers/Students	-	20,000	Ms. Rahaya Tayyab 0313-5349490
34	EMI mitigation in PCB and IC Design	Electromagnetic Compliance /Signal Integrity	Engr. Irfan Majid, PE Dr Muhammad Amin Engr. Sardar Ahmed PE External Specialist	Ave	22-24 Jul 2025	Electronics Manufacturers Strat Orgs Def Services, Academia	1	40,000	Engr. Hafiz Ali Ahmad (0307-2369485)
35	Space Summer School	Space Sciences & Technology	Dr. Najam Abbas Naqvi	NCGSA	July 2025 / August 2025	School & College Students	-	10,000	Mr. Usama Ahmed 051-9075799
36	Business feasibility study for engineers	Materials Engineering	Muhammad Awais	MS&E	06-Aug-25	Resarchers/Faculty/Scietists/Students	-	15,000	Muhammad Awais 03074414459
37	How to write technical research paper and how to publish paper in high impact factor journal	Steps for publication in high impact journal	Dr. Naseem Ahmad	Mech	15-Aug-25	Research Engineers, University Researchers/Students	-	7,500	Ms. Rahaya Tayyab 0313-5349490
38	Project Management Workshop	Principles of Project Management	Dr. Najam Abbas Naqvi	NCGSA	September 2025	Early Career Professionals & Students	-	Professionals: 15,000 Students: 5,000	Mr. Usama Ahmed 051-9075799

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39	Introduction to Optimization & Neural Networks	Programming	Dr. Ihtaz Qamar	PEARL	2-4 Sep 2025	Officer from Strategic Orgs, Academics, Professional Engineers, Grad & Undergrad students	-	Professionals=20,000 0 Students= 10,000	Awais Tahir 0313-8655068
40	Characterization of Damage in Composite Materials & Numerical Modelling Techniques	Identification and Characterization of damage modes in composite materials, nonlinear numerical modeling of composite damage, nonlinear dynamics of the Standar 3-Point Bending Test	Dr. Owais ur Rahman Shah	Mech	05-Sep-25	Strategic Organizations, Research Engineers, University Researchers/Students	-	25,000	Ms. Rahaya Tayyab 0313-5349490
41	Industrial Failures – Analysis & Prevention	Engineering	Dr. Anjum Tauqir	NCFA	16-17 September, 2025	Engineers dealing with Structural Design, Production and Maintenance Problems; Conducting Failure Analysis Investigators of Air / Ground / Sea Accidents Researchers and Students of Engineering Design and Safety	1	30,000	Waseem Arshad 03187979220
42	World Space Week STEM Teacher's Training Workshop	STEM Teaching Methodologies	Dr. Najam Abbas Naqvi	NCGSA	October 2025	School & College Students	-	10,000	Mr. Usama Ahmed 051-9075799
43	Corrosion and its Protection	Materials Engineering	Dr. Abdul Wadood	MS&E	14-Oct-25	Resarchers/Faculty/Scietists/Studens		12,000	Dr. Abdul Wadood 03319575374
44	Advanced coatings for industries (High wear, corrosion and hardness problems)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	21-Oct-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
45	GNSS Winter School	Global Navigation Satellite Systems	Dr. Najam Abbas Naqvi	NCGSA	November 2025 / December 2025	Early Career Professionals & Students	-	Professionals: 15,000 Students: 2,500	Mr. Usama Ahmed 051-9075799
46	Fundamentals and Design of Turbomachinery from Theory to Practice	Engineering	Dr. Ihtaz Qamar	PEARL	14-16 Nov 2025	Officer from Strategic Orgs, Academics, Professional Engineers, Grad & Undergrad students	-	Professionals=20,000 0 Students= 10,000	Awais Tahir 0313-8655068
47	Thermal spray coatings (Biomedical, Aerospace, Navy and strategic applications)	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	18-Nov-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469
48	Metallography and Fractography in Failure Investigations & Quality Assessment	Engineering	Dr. Anjum Tauqir	NCFA	18-19 November, 2025	Engineer / Managers / Senior Managers involved in Manufacturing, Reverse Engineering and Indigenization Quality Assurance and Standardization Issues Structural Design, Production and Maintenance problems Researchers & Students of Materials Engineering, Structures, Design and Safety	1	30,000	Waseem Arshad 03187979220
49	International Conference on Applications of Space Science & Technology (ICAST) <i>Multiple trainings during the conference</i>	Applications of Space Science & Technology	Dr. Najam Abbas Naqvi	NCGSA	November 2025	Professionals, Researchers & Students	-	Professionals: 10,000 Students: 5,000	Mr. Usama Ahmed 051-9075799

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50	Destination Schools	Space Sciences, and Technology	Dr. Najam Abbas Naqvi	NCGSA	Around the year as per requests received	School & College Students	-	-	Mr. Usama Ahmed 051-9075799
51	Coatings for industrial (wear, corrosion and aerospace) applications	Surface engineering and tribology	Dr. Muhammad Yasir	MS&E	16-Dec-25	Professionals, Faculty, Students	1	25,000	Dr. Muhammad Yasir 03335772469