



**Pakistan Council of Scientific & Industrial Research**  
**Ministry of Science & Technology**  
(Training Wing, PCSIR Head Office, Islamabad)

**PCSIR Training Schedule for the Financial Year 2024-2025**

**1. Training Offered at PCSIR Laboratories Complex, Karachi (KLC)**

**Address:** Shahrah-e-Dr. Salimuzzman Siddiqui, Off University Road, Karachi-75280

**Phone:** 021-99261921-22, 021-99261939.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.	Training on Technical & Quality Assurance in Textile Testing.	03 days	13.08.2024 to 15.08.2024	25,000/participant
2.	Turning Center Programming and Operations using FANUC control	01 month (three days a week)	15.08.2024 to 16.09.2024	15,000/participant
3.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	21.08.2024 22.08.2024	4000/participant 2500/student
4.	One-day awareness session for ISO/IEC 17025:2017 standard	01 day Theme: Lectures on awareness of all clauses with special focus on documentation and record generation	28.08.2024	10,000/participant
5.	Gas Chromatography	05 days	02.09.2024 to 06.09.2024	10000/participant 3000/student
6.	Atomic Absorption Spectroscopy (AAS) – Flam Ionization Technique and Graphite Technique for Heavy metal analysis	05 days	02.09.2024 to 06.09.2024	10,000/participant 3000/student
7.	Water Treatment Technologies	05 days	09.09.2024 to 13.09.2024	25,000/participant
8.	Liquid Chromatography	05 days	09.09.2024 to 13.09.2024	10,000/participant 3000/student
12.	Medical Equipment Operating & Maintenance Programme. <ul style="list-style-type: none"><li>E.R. Equipment</li><li>I.C.U. Equipment</li><li>N.I.C.U. Equipment</li><li>O.T. Equipment</li><li>A.I. for Medical Technology</li></ul>	01 day	10.09.2024	3000/participant

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
13.	Pesticide MRL Testing	05 days	16.09.2024 to 20.09.2024	10,000/participant 3000/student
14.	Hands on Training on GCMS-HS	03 days	17.09.2024 to 19.09.2024	20,000/participant 10,000/student
15.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	18.09.2024 19.09.2024	4000/participant 2500/student
16.	Concepts Awareness of In-vitro Bioavailability of Pharmaceutical Preparations	01 day	19.09.2024	5000/participant 2000/student
17.	Training on Paper and Paper Board Physical, Chemical and Optical Testing	03 days	23.09.2024 to 25.09.2024	5000/participant
18.	Measurement Uncertainty	02 days	23.09.2024 24.09.2024	20,000/participant
19.	Implementation ISO-17025:2017 in Food Labs	02 days	08.10.2024 19.10.2024	15,000/participant (In-office) 25,000/participant (On-site)
20.	AAS (Hitachi), Cold Vapour Technique, for Mercury analysis	03 days	09.10.2024 to 11.10.2024	10,000/participant 3000/student
21.	POPs Testing	05 days	14.10.2024 to 18.10.2024	10,000/participant 3000/student
22.	Noise Level Assessment	02 days	15.10.2024 16.10.2024	5000/participant (Maximum 10 participants)
23.	Machining Center Operation using FANUC control.	01 month (three days a week)	15.10.2024 to 15.11.2024	20,000/participant
24.	Atomic Absorption Spectroscopy (AAS) - calibration and standard addition technique	02 days	16.10.2024 17.10.2024	10,000/participant 3000/student
25.	Testing and Characterization of Polymeric Materials	05 days	21.10.2024 to 25.10.2024	25,000/participant
26.	Internal Audit as per ISO-19011	02 days	22.10.2024 23.10.2024	20,000/participant
27.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	23.10.2024 24.10.2024	4000/participant 2500/student
28.	Food Safety (Mycotoxin & Microbiology)	05 days	11.11.2024 to 15.11.2024	25,000/participant
29.	Study of Soil Fertility	05 days	11.11.2024 to 15.11.2024	25,000/participant

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
30.	Toxicological & Efficacy Studies of Herbal & Pharmaceutical Products in Small Laboratory Animals	03 days	12.11.2024 to 14.11.2024	3000/student
31.	Operation and Maintenance of Laboratory Equipment	01 day	19.11.2024	2000/participant
32.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	20.11.2024 21.11.2024	4000/participant 2500/student
33.	Quality Assurance in Feed/Meal Industry	05 days	09.12.2024 to 13.12.2024	20,000/participant
34.	Hands on Training on UTM	03 days	09.12.2024 to 11.12.2024	25,000/participant
35.	Hands-On Training on HPLC and TLC referring to biological samples	01 day	10.12.2024	5000/participant 2000/student
36.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	18.12.2024 19.12.2024	4000/participant 2500/student
37.	Food Additive Analysis	02 days	06.01.2025 07.01.2025	20,000/Participant
38.	Chemical and Physical Testing of Textile	02 weeks	13.01.2025 to 24.01.2025	50,000/participant
39.	Medical Equipment Operating & Maintenance Programme <ul style="list-style-type: none"> <li>• E.R. Equipment</li> <li>• I.C.U. Equipment</li> <li>• N.I.C.U. Equipment</li> <li>• O.T. Equipment</li> <li>• A.I. for Medical Technology</li> </ul>	01 day	14.01.2025	3000/participant (On-site)
40.	CAD/CAM using CREO Parametric Software for CNC Machines	02 months (three days a week)	15.01.2025 to 15.03.2025	20,000/participant
41.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	22.01.2025 23.01.2025	4000/participant 2500/student
42.	Microbiological Analysis	05 days	10.02.2025 to 14.02.2025	25,000/participant
43.	Overview of ores' and minerals' analysis by classical and instrumental methods	05 days	10.02.2025 to 14.02.2025	25,000/participant
44.	Flue gas analysis in Generators and Boilers	02 days	18.02.2025 19.02.2025	5000/participant (For Maximum 10 participants)

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
45.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	19.02.2025 20.02.2025	4000/participant 2500/student
46.	Good Laboratory Practices for Food Processing Quality Labs	03 days	04.03.2025 to 06.03.2025	15,000/participant
47.	Microbiological Handling and Techniques for Beginners	02 days	18.03.2025 19.03.2025	2000/student
48.	Quality Control Testing of Edible Oils/Ghee	05 days	08.04.2025 to 12.04.2025	25,000/participant
49.	Mushroom Culturing Techniques	05 days	14.04.2025 to 18.04.2025	25,000/participant
50.	Conventional Machine Shop Tools Training (lathe, Surface Grinder, Cylindrical Grinder etc.)	02 months (three days a week)	15.04.2025 to 15.06.2025	10,000/participant
51.	Hands on Training on GCMS-HS	03 days	15.04.2025 to 17.04.2025	20,000/participant 10,000/student
52.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	16.04.2025 17.04.2025	4000/participant 2500/student
53.	Quality Assurance of Agrochemicals	05 days	21.04.2025 to 25.04.2025	25,000/participant
54.	Plant Tissue Culturing Techniques	05 days	12.05.2025 to 16.05.2025	25,000/participant
55.	Quality control Testing of Diesel/Oils	05 days	19.05.2025 to 23.05.2025	25,000/participant
56.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	21.05.2025 22.05.2025	4000/participant 2500/student
57.	Hands on Training on Atomic Absorption Spectrophotometer	05 days	16.06.2025 to 20.06.2025	25,000/participant
58.	Amino Acid Profiling	03 days	16.06.2025 to 18.06.2025	25,000/Participant
59.	Training on Use Care & Maintenance of Scientific & Laboratory Instruments	02 days	18.06.2025 19.06.2025	4000/participant 2500/student
60.	Waste Water Testing	05 days	16.06.2025 to 20.06.2025	20,000/participant 5000/student

## 2- Training Offered at PCSIR Laboratories Complex, Lahore (LLC)

**Address:** Laboratories Complex, Ferozpur Road Lahore-54600, **Phone:** 042-99230688-95, 042-99231579.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.	Chemical Quality of water	10 days	August 2024	2500/person
2.	Mineral contents of food / food products and drinking water using flame photometer	10 days	August 2024	25000/- per person
3.	Training Title "Status of GMO Foods in Pakistan and Laboratories Consideration"	03 days	September 2024	25000/- per person
4.	Training Title "Determination of Adulteration in Milk and Milk Products"	02 days	September 2024	25000/- per person
5.	Spectroscopic techniques for determination of antioxidants and bioactive compounds etc. FBRC	05 days	October 2024	25000/- per person
6.	Training on "Awareness on Implementation of ISO/IEC 17025: 2017 Standard"	02 days	October 2024	25000/- per person
7.	Fat soluble vitamins profile using High Performance Liquid Chromatography (HPLC)	15 days	October 2024	25000/- per person
8.	Water soluble vitamins profile using High Performance Liquid Chromatography (HPLC)	15 days	November 2024	25000/- per person
9.	Performance Evaluation of Lighting Products	05 days (10 persons Min.)	November 2024	25000/- per person
10.	Training Title "Instrument and Techniques for Air Quality Monitoring"	01 day	November 2024	25000/- per person
11.	Training Title "Beverage Production Technology"	02 days	December 2024	25000/- per person
12.	Training Title "Halal Portfolio in Pakistan, Mandate Current Situations and Lab Analysis"	03 days	December 2024	25000/- per person
13.	Training Title "Design & Fabrication of Scientific Laboratory Equipment"	02 days	January 2025	25000/- per person
14.	Performance & Safety Compliance Evaluation of Electric Fans	05 days (10 persons Min.)	January 2025	25000/- per person
15.	Training Title "Electropolishing/ Passivation Process for Surgical Instruments"	02 days	February 2025	25000/- per person

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
16.	Determination of Mycotoxin in Food and Feed commodities by various methods	05 days	February 2025	25000/- per person
17.	Training Title "Role of Micronutrients in Human Nutrition"	02 days	March 2025	25000/- per person
18.	Training Title "Electrical Safety of the Appliances"	02 days	March 2025	25000/- per person
19.	Training Title "Flame Atomic Absorption Spectrophotometric (FAAS) Technique for Determination of Different Heavy Metals, Minerals and Micro Minerals in Water and Food Items"	02 days	March 2025	25000/- per person
20.	Training Title Training on "Analytical Instruments IR, HPLC, GC MS, Atomic Absorption Spectrophotometer etc." "Analytical Instruments IR, HPLC, GC MS, Atomic Absorption Spectrophotometer etc." Organizer: ACRC	02 days	April 2025	25000/- per person
21.	Training Title "CRISPR/Cas Targets Designing; Application in Genome Editing and Beyond"	03 days	May 2025	25000/- per person
22.	Estimation of Food grade color and Sudan dyes in various Food commodities	05 days	June 2025	25000/- per person

### 3- Training Offered at PCSIR Laboratories Complex, Peshawar (PLC)

Address: University Road, Peshawar – 25120, Phone: 091-9221398-99, 091-9222096.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.	Fruits and vegetables preservation techniques	5 days (Monday to Friday) (8am to 1pm)	July to September, 2024	Rs.5000/-
2.	Water analysis by atomic absorption	5 days (Monday to Friday) (8am to 1pm)	July to September, 2024	Rs.5000/-
3.	Microbiological/ Mycotoxin analysis in food	5 days (Monday to Friday) (8am to 1pm)	July to September, 2024	Rs.5000/-
4.	Chemical composition of food items (proximate/ nutritional analysis)	5 days (Monday to Friday) (8am to 1pm))	July to September, 2024	Rs.5000/-
5.	Food processing and product development ( Jam, Jellies, Squashes, Nectars, tomato paste, tomato ketchup and pickles)	5 days (Monday to Friday) (8am to 1pm)	July to September, 2024	Rs.5000/-
6.	Training on Herbarium Techniques, Plant Identification and Digitilization	05 Days	July to September, 2024	Rs. 5000/- per participant
7.	Training on Antimicrobial Activities, MIC and MBC	05 Days	July to September, 2024	Rs. 5000/- per participant
8.	Fundamental Lab. Techniques in Phytochemistry	05 Days	July to September, 2024	Rs. 5000/- per participant
9.	Training on In-vivo Pharmacological activity	05 Days	July to September, 2024	Rs. 5000/- per participant
10.	Training on Spectroscopic Techniques (HPLC, FTIR, UV)	05 Days	July to September, 2024	Rs. 5000/- per participant
11.	Training on GCMS	05 Days	July to September, 2024	Rs. 5000/- per participant
12.	Training at Pharmaceutical Pilot Plant	05 Days	July to September, 2024	Rs. 5000/- per participant
13.	Practical training on the operation and maintenance of industrial crushers and grinders	05 days	July to September, 2024	Rs. 5000/-
14.	Training on Construction materials testing	2 Weeks	July to September, 2024	Rs. 5000/-
15.	Practical training on the Production of household chemicals	05 days	July to September, 2024	Rs. 5000/-

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
16.	CAD/CAM	4 Week	July to September, 2024	Rs.10000/-
17.	CNC Machining (Milling)	4 Week	July to September, 2024	10000/-
18.	CNC Machining (Turning)	4 Week	July to September, 2024	10000
19.	Laser Engraving & Plasma Cutting	4 Week	July to September, 2024	10000
20.	ISO/IEC-17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories	03 days	July to September, 2024	5000 per participant per day
21.	Documentation Requirements of ISO/IEC 17025:2017 Standard	03 days	July to September, 2024	5000 per participant per day
22.	Uncertainty Measurement in Calibration	02 days	July to September, 2024	5000 per participant per day
23.	Calibration Techniques of Mass / Balances	03 days	July to September, 2024	5000 per participant per day
24.	Calibration Techniques of Volumetric Glass wares			
25.	Calibration Techniques of Temperature Sources/Meters/Gauges/ Liquid in Glass Thermometer			
26.	Calibration Techniques of Dimensional Devices	03 days	July to September, 2024	5000 per participant per day
27.	Calibration Techniques of Pressure Devices			
28.	Calibration Techniques of Electrical Equipment			
29.	Marble Mosaic Orientation	05 Days Mon-Fri	July to September, 2024	5000
30.	Stone engraving	05 Days Mon-Fri	July to September, 2024	5000
31.	Stone Designing	05 Days Mon-Fri	July to September, 2024	5000
32.	Presentation of Stone Products	05 Days Mon-Fri	July to September, 2024	5000
33.	Fruits and vegetables preservation techniques	5 days (Monday to Friday) (8am to 1pm)	October to December, 2024	Rs.5000/-



Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
34.	Water analysis by atomic absorption	5 days (Monday to Friday) (8am to 1pm)	October to December, 2024	Rs.5000/-
35.	Microbiological/ Mycotoxin analysis in food	5 days (Monday to Friday) (8am to 1pm)	October to December, 2024	Rs.5000/-
36.	Chemical composition of food items (proximate/ nutritional analysis)	5 days (Monday to Friday) (8am to 1pm))	October to December, 2024	Rs.5000/-
37.	Food processing and product development ( Jam, Jellies, Squashes, Nectars, tomato paste, tomato ketchup and pickles)	5 days (Monday to Friday) (8am to 1pm)	October to December, 2024	Rs.5000/-
38.	Training on Herbarium Techniques, Plant Identification and Digitalization	05 Days	October to December, 2024	Rs. 5000/- per participant
39.	Training on Antimicrobial Activities, MIC and MBC	05 Days	October to December, 2024	Rs. 5000/- per participant
40.	Fundamental Lab. Techniques in Phytochemistry	05 Days	October to December, 2024	Rs. 5000/- per participant
41.	Training on In-vivo Pharmacological activity	05 Days	October to December, 2024	Rs. 5000/- per participant
42.	Training on Spectroscopic Techniques (HPLC, FTIR, UV)	05 Days	October to December, 2024	Rs. 5000/- per participant
43.	Training on GCMS	05 Days	October to December, 2024	Rs. 5000/- per participant
44.	Training at Pharmaceutical Pilot Plant	05 Days	October to December, 2024	Rs. 5000/- per participant
45.	Practical training on the operation and maintenance of industrial crushers and grinders	05 days	October to December, 2024	Rs. 5000/-
46.	Training on Construction materials testing	2 Weeks	October to December, 2024	Rs. 5000/-
47.	Practical training on the Production of household chemicals	05 days	October to December, 2024	Rs. 5000/-
48.	CAD/CAM	4 Week	October to December, 2024	Rs.10000/-
49.	CNC Machining (Milling)	4 Week	October to December, 2024	10000/-

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
50.	CNC Machining (Turning)	4 Week	October to December, 2024	10000
51.	Laser Engraving & Plasma Cutting	4 Week	October to December, 2024	10000
52.	ISO/IEC-17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories	03 days	October to December, 2024	5000 per participant per day
53.	Documentation Requirements of ISO/IEC 17025:2017 Standard	03 days	October to December, 2024	5000 per participant per day
54.	Uncertainty Measurement in Calibration	02 days	October to December, 2024	5000 per participant per day
55.	Calibration Techniques of Mass / Balances	03 days	October to December, 2024	5000 per participant per day
56.	Calibration Techniques of Volumetric Glass wares			
57.	Calibration Techniques of Temperature Sources/Meters/Gauges/ Liquid in Glass Thermometer			
58.	Calibration Techniques of Dimensional Devices	03 days	October to December, 2024	5000 per participant per day
59.	Calibration Techniques of Pressure Devices			
60.	Calibration Techniques of Electrical Equipment			
61.	Marble Mosaic Orientation	05 Days Mon- Fri	October to December, 2024	5000
62.	Stone engraving	05 Days Mon- Fri	October to December, 2024	5000
63.	Stone Designing	05 Days Mon- Fri	October to December, 2024	5000
64.	Presentation of Stone Products	05 Days Mon- Fri	October to December, 2024	5000
65.	Fruits and vegetables preservation techniques	5 days (Monday to Friday) (8am to 1pm)	January to March, 2025	Rs.5000/-
66.	Water analysis by atomic absorption	5 days (Monday to Friday) (8am to 1pm)	January to March, 2025	Rs.5000/-

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
67.	Microbiological/ Mycotoxin analysis in food	5 days (Monday to Friday) (8am to 1pm)	January to March, 2025	Rs.5000/-
68.	Chemical composition of food items (proximate/ nutritional analysis)	5 days (Monday to Friday) (8am to 1pm))	January to March, 2025	Rs.5000/-
69.	Food processing and product development ( Jam, Jellies, Squashes, Nectars, tomato paste, tomato ketchup and pickles)	5 days (Monday to Friday) (8am to 1pm)	January to March, 2025	Rs.5000/-
70.	Training on Herbarium Techniques, Plant Identification and Digitilization	05 Days	January to March, 2025	Rs. 5000/- per participant
71.	Training on Antimicrobial Activities, MIC and MBC	05 Days	January to March, 2025	Rs. 5000/- per participant
72.	Fundamental Lab. Techniques in Phytochemistry	05 Days	January to March, 2025	Rs. 5000/- per participant
73.	Training on In-vivo Pharmacological activity	05 Days	January to March, 2025	Rs. 5000/- per participant
74.	Training on Spectroscopic Techniques (HPLC, FTIR, UV)	05 Days	January to March, 2025	Rs. 5000/- per participant
75.	Training on GCMS	05 Days	January to March, 2025	Rs. 5000/- per participant
76.	Training at Pharmaceutical Pilot Plant	05 Days	January to March, 2025	Rs. 5000/- per participant
77.	Practical training on the operation and maintenance of industrial crushers and grinders	05 days	January to March, 2025	Rs. 5000/-
78.	Training on Construction materials testing	2 Weeks	January to March, 2025	Rs. 5000/-
79.	Practical training on the Production of household chemicals	05 days	January to March, 2025	Rs. 5000/-
80.	CAD/CAM	4 Week	January to March, 2025	Rs.10000/-
81.	CNC Machining (Milling)	4 Week	January to March, 2025	10000/-
82.	CNC Machining (Turning)	4 Week	January to March, 2025	10000
83.	Laser Engraving & Plasma Cutting	4 Week	January to March, 2025	10000
84.	ISO/IEC-17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories	03 days	January to March, 2025	5000 per participant per day

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
85.	Documentation Requirements of ISO/IEC 17025:2017 Standard	03 days	January to March, 2025	5000 per participant per day
86.	Uncertainty Measurement in Calibration	02 days	January to March, 2025	5000 per participant per day
87.	Calibration Techniques of Mass / Balances	03 days	January to March, 2025	5000 per participant per day
88.	Calibration Techniques of Volumetric Glass wares			
89.	Calibration Techniques of Temperature Sources/Meters/Gauges/ Liquid in Glass Thermometer			
90.	Calibration Techniques of Dimensional Devices	03 days	January to March, 2025	5000 per participant per day
91.	Calibration Techniques of Pressure Devices			
92.	Calibration Techniques of Electrical Equipment			
93.	Marble Mosaic Orientation	05 Days Mon-Fri	January to March, 2025	5000
94.	Stone engraving	05 Days Mon-Fri	January to March, 2025	5000
95.	Stone Designing	05 Days Mon-Fri	January to March, 2025	5000
96.	Presentation of Stone Products	05 Days Mon-Fri	January to March, 2025	5000
97.	Fruits and vegetables preservation techniques	5 days (Monday to Friday) (8am to 1pm)	April to June, 2025	Rs.5000/-
98.	Water analysis by atomic absorption	5 days (Monday to Friday) (8am to 1pm)	April to June, 2025	Rs.5000/-
99.	Microbiological/ Mycotoxin analysis in food	5 days (Monday to Friday) (8am to 1pm)	April to June, 2025	Rs.5000/-
100.	Chemical composition of food items (proximate/ nutritional analysis)	5 days (Monday to Friday) (8am to 1pm))	April to June, 2025	Rs.5000/-
101.	Food processing and product development ( Jam, Jellies, Squashes, Nectars, tomato paste, tomato ketchup and pickles)	5 days (Monday to Friday) (8am to 1pm)	April to June, 2025	Rs.5000/-

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
102	Training on Herbarium Techniques, Plant Identification and Digitilization	05 Days	April to June, 2025	Rs. 5000/- per participant
103	Training on Antimicrobial Activities, MIC and MBC	05 Days	April to June, 2025	Rs. 5000/- per participant
104.	Fundamental Lab. Techniques in Phytochemistry	05 Days	April to June, 2025	Rs. 5000/- per participant
105.	Training on In-vivo Pharmacological activity	05 Days	April to June, 2025	Rs. 5000/- per participant
106.	Training on Spectroscopic Techniques (HPLC, FTIR, UV)	05 Days	April to June, 2025	Rs. 5000/- per participant
107.	Training on GCMS	05 Days	April to June, 2025	Rs. 5000/- per participant
108.	Training at Pharmaceutical Pilot Plant	05 Days	April to June, 2025	Rs. 5000/- per participant
109.	Practical training on the operation and maintenance of industrial crushers and grinders	05 days	April to June, 2025	Rs. 5000/-
110.	Training on Construction materials testing	2 Weeks	April to June, 2025	Rs. 5000/-
111.	Practical training on the Production of household chemicals	05 days	April to June, 2025	Rs. 5000/-
112.	CAD/CAM	4 Week	April to June, 2025	Rs.10000/-
113.	CNC Machining (Milling)	4 Week	April to June, 2025	10000/-
114.	CNC Machining (Turning)	4 Week	April to June, 2025	10000
115.	Laser Engraving & Plasma Cutting	4 Week	April to June, 2025	10000
116.	ISO/IEC-17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories	03 days	April to June, 2025	5000 per participant per day
117.	Documentation Requirements of ISO/IEC 17025:2017 Standard	03 days	April to June, 2025	5000 per participant per day
118.	Uncertainty Measurement in Calibration	02 days	April to June, 2025	5000 per participant per day
119.	Calibration Techniques of Mass / Balances	03 days	April to June, 2025	5000 per participant per day
120.	Calibration Techniques of Volumetric Glass wares			
121.	Calibration Techniques of Temperature Sources/Meters/Gauges/ Liquid in Glass			

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
	Thermometer			
122.	Calibration Techniques of Dimensional Devices	03 days	April to June, 2025	5000 per participant per day
123.	Calibration Techniques of Pressure Devices			
124.	Calibration Techniques of Electrical Equipment			
125.	Marble Mosaic Orientation	05 Days Mon-Fri	April to June, 2025	5000
126.	Stone engraving	05 Days Mon-Fri	April to June, 2025	5000
127.	Stone Designing	05 Days Mon-Fri	April to June, 2025	5000
128.	Presentation of Stone Products	05 Days Mon-Fri	April to June, 2025	5000

#### 4- Training Offered at Leather Research Centre, Karachi (LRC)

**Address:** D-102, S.I.T.E., South Avenue, Karachi, **Phone:** 021-99333372-76.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.	Measurement of Uncertainty ISO/IEC 17025:2017	Two Days	20 <sup>th</sup> & 21 <sup>st</sup> November	10,000/- Per Person
2.	Clean Leather Technology	Two Weeks	7 <sup>th</sup> to 18 <sup>th</sup> October	10,000/- Per Person
3.	Leather Processing (Raw to Finish)	Two Weeks	9 <sup>th</sup> to 20 <sup>th</sup> December	15,000/- Per Person
4.	QA/QC on Leather.	Two Weeks	18 <sup>th</sup> Jan to 03 Feb.	35,000/- Per Person
5.	Laboratory Management System ISO/IEC 17025: 2017	Two Days	15 <sup>th</sup> March to 17 <sup>th</sup> March	10,000/- Per Person
6.	Leather Processing & QA/QC on Leather.	Four weeks	30 <sup>th</sup> April to 01 <sup>st</sup> June	50,000/- Per Person

## 5- Training Offered at Fuel Research Centre, Karachi (FRC)

**Address:** Off University Road, Karachi-75280, **Phone:** 021-99261963.

Sr.#	Title Of Training	Duration	Scheduled On	Fee (per person)
1.	Internship Training / Training for professionals on "Analysis of Fuels and related materials: <ul style="list-style-type: none"> <li>• Coal Preparation</li> <li>• Proximate Analysis</li> <li>• Total Sulfur</li> <li>• Heating Value (GCV)</li> <li>• Hardgrove Grindability Index)</li> <li>• Elemental Analysis by AAS</li> <li>• Flash, Cloud, and Pour Points of Petroleum Products</li> </ul>	Two weeks	<ul style="list-style-type: none"> <li>• 19<sup>th</sup> August to 2<sup>nd</sup> September 2024</li> <li>• 4<sup>th</sup> September to 18<sup>th</sup> September 2024</li> <li>• 17<sup>th</sup> March to 31<sup>st</sup> March 2025</li> </ul>	Rs. 5000 for professionals and Rs. 2000 for students
2.	Internship training / training for professionals on "Fuel Processing and analysis of finished products"	Two weeks	-do-	-do-
3.	Workshop on Quantitative analysis of heavy metals utilizing Atomic Absorption Spectroscopy (AAS)	Three days	<ul style="list-style-type: none"> <li>• 21<sup>st</sup> October to 23<sup>rd</sup> October 2024</li> <li>• 21<sup>st</sup> January to 23<sup>rd</sup> January 2025</li> </ul>	Rs. 3000 for professionals and Rs. 2000 for students
4.	Workshop on Quantitative analysis of Total Sulfur in Coals	Two days	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> October to 2<sup>nd</sup> October 2024</li> <li>• 16<sup>th</sup> April to 17<sup>th</sup> April 2025</li> </ul>	-do-
5.	Workshop on Coal Quality and Classification of Coal by Rank	2 days	<ul style="list-style-type: none"> <li>• 5<sup>th</sup> March 2025</li> </ul>	-do-
6.	Economic importance of coal and Biomass in power generation & other industrial sectors	One day	<ul style="list-style-type: none"> <li>• 26<sup>th</sup> November 2024</li> <li>• 16<sup>th</sup> January 2025</li> </ul>	-do-
7.	Analytical techniques for testing of coal	One day	<ul style="list-style-type: none"> <li>• 18<sup>th</sup> October 2024</li> <li>• 19<sup>th</sup> March 2025</li> </ul>	-do-



## 6- Training Offered at PCSIR Laboratories, Quetta (QL)

**Address:** Mastung Road, Near Mian Ghundi, P.O.Box No. 387, Quetta, **Phone:** 0304-9910276.

Sr.#	Title Of Training	Duration	Scheduled On	Fee (per person)
1.	Water/ Waste Water analysis	05 days	9-13 September 2024	5000/head
2.	Proximate analysis of food	08 days	9-18 December 2024	5000/head
3.	Food Microbiology	05 days	10-14 February 2025	5000/head
4.	Food Processing	02 weeks	7-18 April 2025	10000/head
5.	Shaking table technique	05 days	16-20 September 2024	5000/head
6.	Proximate analysis of food	08 days	9-18 December 2024	5000/head
7.	Chemical analysis of metallic mineral	05 days	20-24 January 2025	5000/head
8.	Chemical analysis of non-metallic mineral	05 days	17-21 March 2025	5000/head

## 7- Training Offered at PCSIR Laboratories, Hyderabad (HL)

**Address:** Gulshan-e-Shahbaz, Near New Toll Plaza, Hyderabad-Karachi Motorway Location 129 M-9(N), District Jamshoro Sindh, **Phone:** 022-3018990.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.	Introduction to Water Analysis Techniques	01 day	17 <sup>th</sup> March 2025	Rs. 5000 for professionals and Rs. 2000 for students
2.	Laboratory Procedures for Water quality monitoring and analysis	01 Week	<ul style="list-style-type: none"><li>• 18<sup>th</sup> – 22<sup>nd</sup> November 2024</li><li>• 21<sup>st</sup>-27<sup>th</sup> January 2025</li></ul>	-do-
3.	Fundamentals of Snack Quality Testing	03 days	9 <sup>th</sup> -11 <sup>th</sup> Sep. 2024	-do-
4.	Lab. Waste Management and Safe Disposal	02 days	14 <sup>th</sup> -15 <sup>th</sup> October 2024	-do-
5.	Good Microbiology Practices.	03 -days	<ul style="list-style-type: none"><li>• 18<sup>th</sup> November 2024 to 20<sup>th</sup> November 2024</li><li>• 17<sup>th</sup>-19<sup>th</sup> June 2025</li></ul>	-do-

## 8- Training Offered at PCSIR Laboratories, Skardu (SL)

**Address:** PCSIR Labs, Sadpara Road Skardu, **Phone:** 05815-920305.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.	Reprocessing and dehydration of Dried Cherry and Apricot	03 Days	11-13 August, 2024	8,000/-
2.	Gems stone and minerals cutting and polishing	02 Weeks	10-23 September, 2024	50,000/-
3.	Gems stone and minerals cutting, polishing and jewelry making	02 Weeks	02-15 October, 2024	50,000/-
4.	Gem Stone and Minerals cutting and polishing	03 Months	21 October to 20 December, 2024	350,000
5.	Training of Trainers on Gems stone and minerals cutting, polishing and Jewelry Making	02 Weeks	15-28 April, 2025	50,000
6.	Fruit Processing and Preservation	03 days	11–13 June, 2025	Collaboration

## 9- Training Offered at PCSIR Laboratories, Islamabad (IL)

**Address:** Plot # 16, Sector H-9, Islamabad, **Phone:** 051-9265158.

Sr.#	Title of Training	Duration	Scheduled On	Fee (per person)
1.				
2.	Food Analysis Proximate Analysis Food, Microbiology/Aflatoxins (HPLC) Heavy Metals	05 Days	26-30 Aug 2024 23-27 Sep 2024	Professionals: 25000 Students: 10000
3.	Hands on training on advanced analytical instruments Atomic absorption Spectrophotometer UV- Visible Spectrophotometer High-performance liquid chromatography	03 Days	15-17 Oct. 2024 10-12 Dec.2024	Professionals: 25000 Students: 10000
4.	Water Quality concepts, sampling & Lab Techniques	05 Days	06-10 Jan 2025 17-21 Feb 2025	Professionals: 25000 Students: 10000
5.	Basic Principle, working and training on advanced analytical techniques: X-Ray Fluorescence Spectrometry Optical Emission Spectrophotometry	03 Days	22-24 April 2025 04-06 June 2025	Professionals: 25000 Students: 10000

**Note:** In addition to the above schedule PCSIR Labs. Islamabad can offer customized scientific training programs tailored to meet the specific needs and goals of individuals and organizations for a group of minimum five persons.