

## PG Module for One Year Post Graduate Diploma Course in Power

### Post Graduate Diploma Course (PGDC) in Power

#### Objective

Imbibing Technomanagerial Skills for Empowering Graduate Engineers to statutorily become Power Managers / Entrepreneur in Operation, Maintenance & management of Power Business

Module	Description	Duration in Weeks
1	Power Business Familiarization & Industrial Safety.	4
2	CCPP, Co-Generation & Hybrid Systems.	2
3	Thermal Power Plant, Briefing & Scheme Tracing	4
4	Erection, Commissioning & Construction Management.	2
5	Environment Management.	1
6	Control & Instrumentation.	2
7	Power Plant Protection.	2
8	Thermal Power Plant Operation.	2
9	Advanced Steam Generation Technology Supercritical & FBC.	1
10	Nuclear Power Plants description and overview.	1
11	Rotational On-Job (Operation).	4
12	Chemistry, Metallurgy, NDT & Welding.	2
13	Renewable Energy (RE) resources, Conventional & RE Systems.	1
14	Simulator Training, Visit to Manufacturers Works	3
15	Personality Development & Entrepreneurship Skills.	1
16	First Semester Examination	1
17	Power Sector Reforms and Regulations.	1
18	Wind Energy and Hydro.	1
19	Bio Mass, Bio Energy and Waste to Energy.	1
20	Energy Storage Technologies.	1
21	Maintenance Planning Inspection & Cost Control.	2
22	IT Application in Power Sector & GIS.	1
23	Load Dispatch.	1
24	Wind, Solar PV & Thermal Technologies.	2
25	Power Plant Performance & Efficiency Calculation.	2
26	Energy Audit & Project Management.	1
27	Rotational On-Job. (Maintenance)	4
28	Renewable Energy Grid Interface Technologies.	1
29	Second Semester Preparation, Exam & Viva Voce	1
Total (Weeks)		52



# Jindal Institute of Power Technology

## PG Module for One Year Post Graduate Diploma Course in Power

### Post Diploma Course (PDC) in Power Engineering

#### Objective

Imbibing Technomanagerial Skills for Empowering Diploma Engineers to become Power Engineers / Entrepreneur in Operation, Maintenance & management of Power Business

Module	Description	Duration in weeks
1	Orientation & General Overview of Power.	1
2	Personal / Industrial Safety. Environment Pollution	5
3	Power Plant Description.	8
4	Erection, Commissioning & Construction Management.	1
5	Power Plant Scheme Description and Tracing.	3
6	Power Plant Chemistry.	1
7	Power Plant Instrumentation.	2
8	Basic Welding Practice & NDT	1
9	New Energy (RE) resources, Conventional & RE Systems.	2
10	Load Dispatch.	1
11	Power Plant Operation (Supervisory).	3
12	Power Plant Efficiency Performance.	2
13	Maintenance Planning Inspection and Cost Control.	3
14	Rotational On Job Training (Operation)	5
15	First Semester Examination	1
16	Personality Development & Introduction to Management.	2
17	Computer Application.	1
18	Power System Operation and Electrical Protection	1
19	Power Transmission, Distribution Engineering and Systems.	2
20	Transmission and Distribution, Metering and Techniques of Loss Minimisation.	2
21	Simulator Training.	3
22	Power Protection.	1
23	Final Appraisal.	1
	Total (Weeks)	52