ITI in Design and Technology (1 Year)

Duration: 1 Year (2 Semesters)

Semester – I

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
1	ITIDT101	1ITIDT1	Fundamentals of Design & Technology
2	ITIDT102	1ITIDT2	Engineering Drawing & Graphics
3	ITIDT103	1ITIDT3	Workshop Practices (Carpentry, Fitting, Welding Basics)
4	ITIDT104	1ITIDT4	Computer Applications in Design

Course Details (Semester – I)

- **Fundamentals of Design & Technology** – Basics of design, innovation, and product development.
- **Engineering Drawing & Graphics** – Orthographic projection, dimensioning, CAD basics.
- **Workshop Practices** – Hands-on training in tools and manufacturing basics.
- **Computer Applications in Design** – MS Office, CAD introduction, digital drafting.

Semester – II

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
1	ITIDT201	2ITIDT1	Manufacturing Processes

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
2	ITIDT202	2ITIDT2	Electrical & Electronics Basics
3	ITIDT203	2ITIDT3	Design Project / Prototype Development
4	ITIDT204	2ITIDT4	Industrial Training / Internship

Course Details (Semester – II)

- **Manufacturing Processes** – Metal cutting, casting, forming, and joining.
- **Electrical & Electronics Basics** – Fundamentals of electricity, circuits, and safety.
- **Design Project / Prototype Development** – Small design project execution.
- **Industrial Training / Internship** – Practical exposure in industry setup.