



Finishing School for Engineering Students

ITI Limited, Mankapur - 271308 Distt - Gonda (U.P.)

(A Government of India Undertaking)

Concept:

- ❖ Rapid Technological Innovations
- ❖ Bridging the gap between Theory and Application of Technology
- ❖ Exposure through Technological Strength

Aims:

- ❖ To enhance employability of the trainee students
- ❖ To impart hands-on experience
- ❖ To sharpen the knowledge base
- ❖ To provide cutting edge / knowledge & techniques for interview

Mode of Training:

- ❖ Concepts through class room presentations
- ❖ Study material handouts
- ❖ Interactive sessions
- ❖ Visit/Demo/Hands-on
- ❖ Periodic Quizzes/Tests

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Courses for Electronics and Communication Branch

S.No.	Module	Topics	Duration	Charges ()
1.	Mobile Communication	GSM Fundamentals: Overview, Architecture, System Interfaces of Radio resources, Mobility and call setup, GSM Network elements – MSC, BSC,BTS, and OMC; RF Planning and Optimization: CDMA Overview and network architecture, Overview on 3G and beyond, WiMAX overview,	12 days	5000/-
2.	Electronic Switches and Manufacturing	Switching: Overview of Switching and signaling, digital Electronic Switches-E-10B, OCB 283/CSN, C-DOT, Functional and integration Testing of C-DOT. Manufacturing: Component Knowledge and Handling, Leaded Component Assembly (THT), Surface Mount Technology (SMT), Quality Control, In-Circuit Tester (ICT), BTS Architecture and System Testing, PCB Manufacturing. Transmission and Broadband Technology: Data Communication, SDH Overview, Optical Communication System, Broadband Technologies, ADSL	12 days	5000/-
3.	Embedded Systems	Overview of Embedded System, Design of electronic circuits on breadboard, Microcontroller 8051 architecture, Interfacing of sensors, DC and stepper motors, LCD with Microcontroller AT89S8253, Schematic and PCB layout preparation through Express PCB software, Review of C language, Programming of Micro controller using MikroC, Hands – on experience through projects. <i>* "Learning Kit" will be provided to each Trainee</i>	12 days	5000/-
4.	SMT Assembly Process (New Module)	Component knowledge, Machine Level programming of SMT board, SMT board assembly, Screen Printing Process, Component Placement System, Inspection Stage ,To generate Reflow Profile and Repairing .	12 days	5000/-

Note : Students may Choose min. two courses from above modules for one month Summer Training.

Courses for C.S., I.T. Engineering Branches, MCA and BCA

S.No.	Module	Topics	Duration	Charges ()
1.	RDBMS Using ORACLE & ERP	Introduction to RDBMS, Overview of ORACLE, SQL, SQL *PLUS, PL/SQL and Database Programming using Oracle. ERP: Overview, Issues, System Navigation, Tools, Modules, Case Study.	10 days	4000/-
2.	Application Development with Java Technology	Core Java: Basic concept of Object Oriented Programming, Java Basics, Classes, Interfaces, Packages, Inheritance, Exception Handling, Multithreaded Programming, Collection Frame work, Input / Output, Networking, AWT / Swing, Event Handling. Advance Java : JDBC, Servlets, Java Server Pages (JSP)	09 days	3500/-
3.	Web Designing with PHP	Introduction to Web Development, HTML and XML Scripting, Web Server-installation and configuration, Working with PHP, Database Connectivity using MySQL.	07 days	3000/-
		Total		10500/-
Combined Course Charges for a period of one month : ` 9000/- only				

Courses for Mechanical / Production Engineering Branches

S.No.	Module	Topics	Duration
1.	Tool Design and Planning, Tool Room Processes	Fundamentals of Technical Drawing, Concepts of Tool Design, Types and Design of Press Tools, Design of Moulding Tools, Design of Jigs and Fixtures, Material Management and Tool Loading	06 days
2.	Computer Aided Design	Introduction and Concepts, Creating and Managing Drawing file in Auto CAD, Understanding the Auto CAD Window, Set up for Drawing Commands, Basic Drawing Commands, Edit Commands, Construction Techniques Commands, Layer Commands, Hatching Commands, Creating Text and Defining Styles, Dimensioning Commands, Creating Blocks.	07 days
3.	Manufacturing	Mechanical Manufacturing: Sheet metal Component manufacturing, Moulding Process, Injection Moulding, Metal Finishing, NCM Assembly / Testing, PCB manufacturing , Inspection and Testing . Green Manufacturing: Cable Harnessing (Halogen free), Metal Core PCB (MCPCB), Weldless Assembly (Rivetting) Process, Recycling Process, Effluent treatment.	09 days
4.	World Class Manufacturing	Advanced Manufacturing Processes and Testing, Manufacturing through ERP, TQM, Role of Attitude in QMS, EMS, 6 Sigma.	04 days
Combined Course Charges for a period of one month : ` 8000/- only			

Enrollment Procedure:

1. Desirous trainee is required to submit a bona-fide letter from his/her Institute along with the required training & accommodation (if desired) charges through DD by **30th May of calendar year.**
2. D.D. must be in favour of **“ITI LIMITED”** should be either of **State Bank of India** payable at SBI ITI Township Branch (Branch Code 8549) or **Punjab National Bank** Payable at PNB Mau Branch Makapur (Branch Code 1730).
3. Commencement of the Training Batches: 1st and 15th of each month (May to August).
4. Minimum size of a Batch: 25 students / training.
5. Students are required to bring **03 passport size photographs** at the time of joining the training.
6. **Training charges once deposited will not be refunded except under exceptional circumstances.**
7. **Trainee will be issued 02 certificates—One for the training course attended and another for Summer / Vocational Training.**
8. We also provide the industrial Visit. The charges for industrial visit per students is Rs.100/-

Boarding and Lodging Facility: Separate Hostel for Boys and Girls.

Lodging Charges: i) ` 250 /- per week or ` 1,000/- per month: **Hostel-semi furnished.**

ii) ` 700/- per week or ` 2,800 /- per month. **Guest House- furnished**

Boarding (Fooding) Charges: ` 3,600/- Guest House, `` 2,400 /- Officer's Club per month and mess facility is also available on actual basis.

For any clarification please feel free to get in touch with us through e-mail / phone:

**Sushil Kumar, Dy.Manager-TS &EDC, Coordinator “Finishing School for Engineering Students”
ITI LIMITED, MANKAPUR- 271308, GONDA (UP)**

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