

**TWO WEEK INDUSTRIAL TRAINING  
ON  
COMMUNICATION  
AND  
NETWORKING  
(July 11-30, 2016)**



**Training by**  
**Aptron Solution**

***Organized by***  
**Department of Electronics &  
Communication Engineering**  
**IPS College of Tech. & Mgmt.**  
**Gwalior, M.P, India-474001**

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**ABOUT IPS-CTM, GWALIOR**

IPS College of Technology and Management was established in the year 2007, aiming to become the most preferred engineering college in central India for students to obtain a world-class engineering education, and develop into the leaders of tomorrow. IPS-CTM endeavors to make the students technologically superior and ethically strong, who in turn, shall contribute to the advancement of society and humankind. The Institute, on its part, pursues continuous development of infrastructure and enhancement of state-of-the art equipment to provide our students a technologically up-to-date and intellectually inspiring environment of learning, research, creativity, innovation, and professional activity.

**ABOUT THE DEPARTMENT**

The department offers UG with the intake of 90 students. The faculty members are actively engaged in research in the area of VLSI Design, RF Energy Harvesting, Microwave, and Antenna Design. They have published numerous papers in National and International Journals. The alumni of the department have secured their places in the higher echelons of the society and technical world. A good number of students are going for higher studies for their M. Tech, MBA and PhD. in different reputed institutes of India.

**VISION**

"To produce technically sound, professionally competent, and socially committed individuals imbued with ethical values to serve the society."

**MISSION**

"To build a center of excellence for learning where young talents can be nurtured to their fullest potential,

through focus on teaching, learning, research and innovation in order to improve quality of life of the community and the nation at large."

**OBJECTIVE OF TRAINING**

This course is the foundation of basics as well as advancement in the Data Communication and Networking. After this course the student will be able to successfully build and use LAN, create a server and maintain that. All the engineering students, now a day, think that it's enough to just get a B.E. degree in order to be an engineer. We want to help students to think beyond just classroom teaching and explore other sources of knowledge which are equally important in the field of engineering. The course is also useful for the faculty members of various engineering colleges and final year students, if they would like to work in the field of networking.

**COURSE CONTENT**

In this industrial training course, the following topics will be covered:

- IP Network Basics
- ARP and RARP principles
- LAN Technologies
- Routing Technologies
- Network Security
- Ethernet technology and Switches
- IPv4 Subnetting
- VRP features, operations, and maintenance
- ACL and NAT principles and configuration
- HDLC, PPP, and Frame Relay and their implementation
- Basic principles of VLAN, STP, and VRRP and their implementation

## ELIGIBILITY

The course is meant for engineers and executives interested in networking field. It is meant for beginners, as well as for those, already involved in the LAN maintenance. Students from other colleges are also eligible for this industrial training. Students moving in seventh semester are eligible to attend this program; they need to submit a training letter issued from the T&P cell of respective colleges. Student of Electronics and Computer Science branch can apply.

## FEES

Rs. 4000/- for each eligible candidate.

Fee can be deposited in Cash or by DD in favor of "Principal, IPS-CTM", payable at Gwalior. There is no provision of TA and DA.

## BOARDING AND LODGING

Accommodation for participants may be provided on request. The charges will have to be borne by the participants. For more details, contact:

**Prof. Pankaj Goyal** M: 8718805018  
Associate Professor, CSE

## IMPORTANT DATES

Last date for receiving application:

**June 26, 2016**

Intimation of selection by Email:

**June 30, 2016**

## ORGANIZING COMMITTEE

### Patron

**Dr. Arun K. Tyagi**  
**Mr. Ashwini Mishra**  
**Mr. P. K. Ghosh**

Director, IPGOC  
Deputy Director, IPGOC  
CAO, IPGOC

### Chairman

**Dr. P. S. Chauhan**  
Principal, IPS-CTM, Gwalior  
M: 8718805026  
E-mail: pschauhan@ipsgwalior.org

### Convener

**Prof. Anurag Garg**  
**Prof. Pankaj Agrawal**  
**Prof. Kapil Keswani**

Head, ECE  
Associate Prof, ECE  
Associate Prof, ECE

### Member

**Prof. Sumit Nigam**  
**Prof. Ravi Chourasia**

Associate Prof, ECE  
Assistant Prof, ECE

### For more details, contact:

### Coordinators

**Prof. Ranjeet Pratap Singh Bhadoriya**  
Assistant Professor, IPSCTM  
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### Prof. Akash Agrawal

Assistant Professor, IPSCTM  
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## TWO WEEK INDUSTRIAL TRAINING ON COMMUNICATION AND NETWORKING (July 11-30, 2016) *Application Form*

1. Name (in Block Letters):
2. Branch:
3. Institution/ Organization/ University:
4. Address for Correspondence:
5. Mobile No.:
6. E-mail:
7. Accommodation: Yes/No
8. Registration Amount: Rs.

Cash/ DD if Demand Draft,  
DD No:  
Bank:  
Date:

Kindly register my name for the Industrial Training Program on Communication & Networking to be held at IPS-CTM, Gwalior.

Place:

Date:

Signature of Applicant