

Department of Electronics and Communication Engineering

SLIET, Longowal-148106



A Profile

Vision:

ECE Department shall strive to act as an international podium for the development and transfer of technical competence in the field of Electronics and Communication Engineering through formal and non-formal education, entrepreneurship and research to meet the changing need of society in general and electronic industry in particular.

Mission:

To create technical manpower to fulfill the requirement at various levels of electronic industry through quality teaching, training, research and extension services.

Goals:

- To impart quality education at certificate, diploma, degree, masters & doctorate levels.
- To excel in research & development activities in different fields of Electronics & Communication Engineering
- Organization of Seminars, Symposia, Conferences & Workshops in a planned manner.
- To have sponsored projects for MODROB, Thrust Areas and R& D
- To impart non-formal education through Community Development Programme (CDC) and Scheme for persons with disability (PWD)
- Dissemination of knowledge and expertise through extension services.
- Student projects on industrial problems
- Sharing of facilities (equipment and personnel) with nearby industries and the departments.

- Frequent visits of industry/institute personnel to department and sharing their experience with the students
- Training and Placement of the students
- Consultancy Services to industries/institutes in the region.
- To motivate the faculty and staff towards up-gradation of their qualifications and knowledge.
- To obtain technological excellence through flexible curricula.

Policy Framework:

ECE Department at SLIET, Longowal is committed to develop high quality, professionally groomed technical and engineering manpower possessing multifaceted personality, respect for professional and social ethics, national values and the spirit of human emancipation. The Department shall commit to continually upgrade the curriculum matching with global needs and priorities, the delivery methodology and the infrastructural facilities through periodic self-assessment and formal reviews. It is further committed to the welfare and professional development of its employees by providing necessary opportunities and facilities for their self-development in a conducive and congenial environment, promoting teamwork and proactive participation.

Programme of Studies:

1. Ph.D. Programme in the field of Electronics and Communication Engineering including interdisciplinary areas
2. M. Tech. in Electronics & Communication Engineering (PGECE)
3. B. Tech*. (Electronics & Communication Engineering (GEC)
(*Accredited earlier & applied for accreditation again in 2008 to NBA)
4. Diploma in Electronics & Communication Engineering (DEC)
5. Certificate:
 - (a) Servicing & Maintenance of Electronic Instruments (CSME)
 - (b) Maintenance of Television (CTV)
6. Non-formal Programme (under PWD Scheme)
 - (a) Radio & TV Repair
 - (b) Mobile Repair

Faculty in Position:






Designation	In Position	Qualification
Professor	01 (Regular)	Ph.D.
Associate Professor	05 (Regular)	Ph.D.= 04 M. Tech./M.E. = 01
Assistant Professor	07 Regular = 04 Contract = 03	M.Tech./M.E. = 06 B. Tech./B.E. = 01
Pro-Rata Lecturer	05 (Contract)	B. Tech./B.E. = 05

Technical & Administrative Staff in Position:

Designation	In Position	Qualification
Sr. Technician	1	Diploma
Technician	6 Regular = 5 Contract = 1	Diploma & AMIE = 01 Diploma = 03 ITI = 02
Office Assistant	01	Graduation
Telephone Operator	01 (Exclusively for EPABX)	MTI & M.A.
Lab Attendant	02	Matric 10+2 and ITI
Helper	02 including 01 helper exclusively for EPABX	10 + 2, Diploma (Lib Sc.) 10

FACULTY:

S. No.	Name of faculty	Designation	Qualification	Date of Joining at SLIET	Photograph
01	Dr. Amar Partap Singh	Professor and Head (Regular)	Ph. D.	From 30.09.1992 to 30.03.2006 (Joined as a Professor on September 06, 2007)	
02	Dr. P C Upadhyay	Associate Professor (Regular)	Ph. D.	September 21, 1992	
03	Er. Lakhvinder Singh Solanki	Associate Professor (Regular)	M. Tech.	September 4, 1992	
04	Dr. Jagpal Singh Ubhi	Associate Professor (Regular)	M. E.	January 28, 2000	

05	Dr. Anupma Marwaha	Associate Professor (Regular)	Ph. D.	June 14, 2007	
06	Dr. Surinder Singh	Associate Professor (Regular)	Ph. D.	July 18, 2007	
07	Er. Ajaypal Singh	Asst. Professor (Regular)	M. Tech.	December 17, 1997	
08	Er. Pankaj Kumar Das	Asst. Professor (Regular)	B. E.	October 3, 2006	
09	Er. Jatinder Singh	Asst. Professor (Regular)	M.Tech.	July 30, 2007	





10	Er. Rajeev Kumar Ranjan	Asst. Professor (Regular)	M. Tech.	August 1, 2007	
11	Er. Shaveta	Asst. Professor (contract)	M. Tech.	August 6, 2009	
12	Er. Livjeet Kaur	Asst. Professor (contract)	M. Tech.	August 5, 2009	
13	Er. Vikas Sharma	Asst. Professor (contract)	M. Tech.	August 6, 2009	
14	Er. M.P.Joshi	Pro-Rata Lecturer (contract)	B. E.	August 24, 2009	

15	Er. Kanwar Inder Singh	Pro-Rata Lecturer (contract)	B. E.	August 24, 2009	
16	Er. Jasvir Singh	Pro-Rata Lecturer (contract)	B. E.	August 24, 2009	
17	Er. Gaurav Preet Kaur	Pro-Rata Lecturer (contract)	B. E.	August 24, 2009	
18	Er. Sushil Kakkar	Pro-Rata Lecturer (contract)	B. E.	August 24, 2009	

Technical & Administrative Staff:

S. No.	Name	Designation	Qualification	Date of Joining at SLIET	Photograph
01	Mr. Amarjit Singh	Sr.Technician	Diploma	24.01.1994 (Joined as Sr. Technician on 11.10.2001)	
02	Mr. Gurmit Singh	Technician	Diploma	21.10.1991	
03	Mr. Vijay Prashar	Technician	ITI	18.10.1991	
04	Mr. Ravinder Singh	Technician	ITI	08.02.1994	

05	Mr. Jujhar Singh	Technician	Diploma	11.07.1995	
06	Er. Hari Ram (On-lien)	Technician	Diploma, AMIE	18.06.1997	-----
07	Mr. Partap Singh	Technician	Diploma	24.10.2001	
08	Mrs. Jagjit Kaur	Technician (Contract)	Diploma	02.08.2010	
09	Mr. Sanjay Sharma	Care Taker	Graduation	16.10.1991	
10	Mr. Amarjit Singh	Telephone Operator	MTI & M.A.	12.10.2000	

11	Mr.Suman Kumar	Lab Attendant	10+2, ITI	12.11.1997	
12	Mr. Jarnail Singh	Lab Attendant	10 th	16.10.1991 (On 18.8.2000 joined as Lab Attendant)	
13	Mr. Sukhdev Singh	Helper	10 + 2, Diploma (Lib Sc.)	17.12.1999	
14	Mr. Vinod Kumar	Helper	10 th	12.10.2000	

Committees of ECE Department:

1. Research & Development Committee

Dr.A.P.Singh, Professor (Coordinator)
Dr.P.C.Upadhyay, Associate Professor
Dr. (Mrs.) Anupama Marwaha, Associate Professor
Dr. Surinder Singh, Associate Professor

2. Academic Affairs Committee

Dr.P.C.Upadhyay, Associate Professor (Coordinator)
Dr. Surinder Singh, Associate Professor
Sh. Ajay Pal Singh, Assistant Professor
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor

3. Time Table Committee

Dr.P.C.Upadhyay, Associate Professor (Coordinator)
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor
Sh. Jujhar Singh, Technician

4. Accreditation/ ISO Certification Committee

Dr.P.C.Upadhyay, Associate Professor (Coordinator)
Sh.L.S.Solanki, Associate Professor
Dr. J.S.Ubhi, Associate Professor
Sh. Ajay Pal Singh, Assistant Professor
Sh. Vijay Prashar, Technician

5. Load Adjustment Committee

Sh.L.S.Solanki, Associate Professor (Coordinator)
Sh. Rajeev Kumar Ranjan, Assistant Professor
Sh. Ravinder Singh, Technician
Sh. Sanjay Sharma, Care Taker

6. Examination Committee

Sh.L.S.Solanki, Associate Professor (Coordinator)
Sh. Ajay Pal Singh, Assistant Professor
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor

7. Electronics Society/ IE (I) chapter Committee

Dr. J.S.Ubhi, Associate Professor (Coordinator)
Dr. (Mrs.) Anupama Marwaha, Associate Professor
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Jatinder Singh, Assistant Professor

8. Non-Consumables and Consumables Inspection Committee

Dr. (Mrs.) Anupama Marwaha, Associate Professor (Coordinator)
Sh. Ajay Pal Singh, Assistant Professor
Faculty In-charge of concerned Lab (By default)

Sh. Amarjit Singh, Senior Technician
Sh. Vijay Prashar, Technician
Technician of concerned Lab (By default)

9. Purchase Committee

Dr. J.S.Ubhi, Associate Professor (Coordinator)
Dr. Surinder Singh, Associate Professor
Sh. Ajay Pal Singh, Assistant Professor
Sh. Jatinder Singh, Assistant Professor
Sh. Amarjit Singh, Senior Technician
Sh. Vijay Prashar, Technician

10. Alumni Affairs Committee

Dr. (Mrs.) Anupama Marwaha, Associate Professor (Coordinator)
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Jatinder Singh, Assistant Professor
Sh. Jujhar Singh, Technician

11. Equipment Repair/Maintenance/Write-off Committee

Dr. P.C.Upadhyay, Associate Professor (Coordinator)
Sh. Jatinder Singh, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor
Sh. Partap Singh, Technician

12. Library Affairs Committee

Dr. (Mrs.) Anupama Marwaha, Associate Professor (Coordinator)
Dr. Surinder Singh, Associate Professor
Sh. Ajay Pal Singh, Assistant Professor
Sh. Pankaj Kumar Das, Assistant Professor

13. Department Upkeep Committee

Dr. Surinder Singh, Associate Professor (Coordinator)
Sh. Ajay Pal Singh, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor
Sh. Gurmit Singh, Technician
Sh. Sanjay Sharma, Care Taker

14. Department Profile Committee

Dr. Surinder Singh, Associate Professor (Coordinator)
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor
Sh. Ravinder Singh, Technician

15. Training & Placement Committee

Sh. Ajay Pal Singh, Assistant Professor (Coordinator)
Sh. Pankaj Kumar Das, Assistant Professor
Sh. Jatinder Singh, Assistant Professor
Sh. Rajeev Kumar Ranjan, Assistant Professor

Laboratories:

- ↳ *Advance Communication Lab (1500 sq.ft.)*
- ↳ *TV Lab/ Audio & Video Lab (1500 sq.ft.)*
- ↳ *Basic Communication Lab (1500 sq.ft.)*
- ↳ *Basic Electronics Lab (1500 sq.ft.)*
- ↳ *Digital Electronics/Integrated Circuits Lab (1500 sq.ft.)*
- ↳ *DSP Design Lab. (750 sq.ft.)*
- ↳ *Microprocessor Lab (1000 sq.ft.)*
- ↳ *PCB Lab (1500 sq.ft.)*
- ↳ *Project/Computer Lab (750 sq.ft.)*
- ↳ *Servicing Lab/Industrial Electronics Lab. (1500 sq.ft.)*

Faculty-in-charges/Technician:

1. Advance Communication Lab

Sh. L.S.Solanki, Associate Professor
Sh. Amarjit Singh, Senior Technician
Sh. Jarnail Singh, Lab Attendant

2. TV lab/Audio & Video Lab

Dr. Surinder Singh, Associate Professor
Sh. Vijay Prashar, Technician

3. Basic Communication Lab

Dr.P.C.Upadhyay, Associate Professor
Sh. Amarjit Singh, Senior Technician

4. Basic Electronics Lab

Dr. Surinder Singh, Associate Professor
Sh. Jujhar Singh, Technician

5. Digital Electronics/Integrated Circuits Lab

Sh. Rajeev Kumar Ranjan, Assistant Professor (E.O.L)
Sh. Gurmit Singh, Technician

6. DSP Design Lab

Dr. (Mrs.) Anupama Marwaha, Associate Professor
Sh. Ravinder Singh, Technician

7. Microprocessors Lab

Sh. Ajay Pal Singh, Assistant Professor
Sh. Partap Singh, Technician

8. PCB Lab

Sh. Pankaj Kumar Das, Assistant Professor
Sh. Ravinder Singh, Technician
Sh. Jarnail Singh, Lab Attendant

9. Project/Computer Lab

Dr. J.S.Ubhi, Associate Professor
Smt. Vijay Prashar, Technician
Sh. Jarnail Singh, Lab Attendant

10. Servicing Lab/Industrial Electronics Lab

Sh. Jatinder Singh, Assistant Professor

Smt. Jagjit Kaur, Technician

11. Digital Lecture Room

Sh. Pankaj Kumar Das, Assistant Professor

Sh. Suman Kumar, Lab Attendant

12. Electronics Department Library

Dr. (Mrs.) Anupama Marwaha, Associate Professor

Sh. Suman Kumar, Lab Attendant

13. In- charge Stores (Consumables) : Sh. Amarjit Singh, Senior Technician

14. In- charge Stores (Non-Consumables): Sh. Vijay Prashar, Technician

15. In- charge No-Dues (Students/Faculty/Staff): Partap Singh, Technician

16. In- charge (HOD Office Inventory):Sh. Sanjay Sharma, Care taker

17. In- charge (Office Furniture/Stationery/Stores): Sh. Sanjay Sharma, Care taker

**MAJOR EQUIPMENT IN THE LABORATORIES
(COSTING > or = Rs.50000/-)**

S.No.	Equipment		Purchase	
	Name	Make	Date	Cost (Rupees)
1	Micro Earth Station Satellite Communicator	-----	2/2/1996	458720
2	Antenna System Demonstrator	Signet	23-05-2000	240672
3	Optical Fiber Training Kits (4 NOS.)	-----	8/5/1994	111500
4	Satellite Communication Trainer	Promax	26-07-99	470000
5	RF Power Meter	-----	27-06-2005	138000
6	Spectrum Analyzer	Scientific	30-01-96	79400
7	Logic Analyzer	Trident	23-12-95	227500
8	Vertical Process Camera	Crescent	26-04-93	102000
9	PTH System For Double Sided PCB	Crescent	26-04-93	160000
10	Computer Nodes	Acer	21-03-2005	57004
11	Server	HCL	15-01-2000	180393
12	Emulator FOR 8051	VPL	20-09-2005	78750
13	Synthesized Signal Generator	VXL	4/6/1996	103870
14	HEMEG 100 MHz Oscilloscope/Autoset	Scientific	22-03-99	169100
15	COMSIM Software	Trident	31-03-2005	154000
16	MATHEMATICA Software	Trident	31-03-2005	185130
17	Radio Lab Software	Eigen Technology	21-06-2005	85855
18	MULTISIM Software	Trident	25-03-2005	115500
19	Laptop	IBM	28-03-2006	135660
20	Transmission Line System Trainer	-----	4/6/1999	73440
21	Dry Film Laminator	-----	26-04-93	60,100
22	100mhZ CRO 4 Channel	Shalimar Associate	30-12-94	58,761
23	PC/AT 80486 DX11 66MHz	IBM	27-11-95	70950
24	AM FM Signal Generator	Shalimar Associate	13-11-96	60,250
25	PLC(VPC-PLCT)with Exp. Modules	Vinytics	21-07-2005	166,600
26	Digital Storage Oscilloscope	Silicom	28-05-2005	50,950
27	Mobile Comm. Trainer	VPL	21-07-2005	50,400
28	MATLAB Software with Tools	Cranes Software	23-02-2006	660,206
29	COMSOL 3XXXMultiphysics Modeling and R.F MODULE	Neotel Systems	8/3/2007	175,350
30	Xtreme DSP Development Kit System Generator For DSP	Symplify Design Automation	28-06-2004	213,000
31	Spectrum Analyzer	Scientific	31-03-2005	179,300
32	Video Camera(Model-CCD-TRV-46EH	Trinity	3/1/2000	53,550
33	Fibre Optics Training Kit	Trinity	3/5/1999	93,000
34.	LCD Projector (MMP)	Sony	15/05/2009	91,561
35.	Photo Stat Machine	Ricoh	20.02.2008	82,217
36.	Proteus VSM Software	Cyber Motion	31.03.2009	244400
37.	Machine Vision & Motion Control Equipment including LABVIEW Software (10 user License)	National Instruments	15.07.2009	1235350
38.	Satellite Communication Trainer-2.4GHz	Amitec	24.08.2009	89600
39.	Microwave test Bench	Amitec	24.08.2009	84375
40.	Data MODEM Trainer	UE	24.08.2009	33750
41.	Microwave Testing System	Amitec	24.08.2009	337500
42.	IE3D Software	Eigen Tech.	14.09.2010	441000
43.	Industrial PLC Trainer (Micrologics)	VPL	5.10.2010	68900
44.	PLC Trainer (FB 20MA)	VPL	5.10.2010	69300
45.	Power & Industrial Electronics Trainer	VPL	5.10.2010	98800

TOTAL: 80,959,664/-

Board of Studies (BOS):

1. BOS for Ph.D. Programmes

- a. Dr. A.P. Singh, Professor & Head (Chairperson)
- b. Dr. P.C. Upadhyay, Associate Professor (Member)
- c. Dr. (Mrs.) Anupama Marwah, Associate Professor (Member)
- d. Dr. Surinder Singh, Associate Professor (Member)
- e. Dr. R.K. Sarin, Professor, NIT, Jalandhar (Member)
- f. Dr. Manjeet Singh Patterh, Professor (ECE), UCoE, Punjabi University, Patiala (Member)

2. BOS for M.Tech. (ECE) Programmes

- a. Dr. A.P. Singh, Professor & Head (Chairperson)
- b. Dr. P.C. Upadhyay, Associate Professor (Member)
- c. Mr. L.S. Solanky, Associate Professor (Member)
- d. Mr.J.S. Ubhi, Associate Professor (Member)
- e. Mr. Ajay Pal Singh, Assistant Professor (Member)
- f. Dr. R.K. Sarin, Professor, NIT, Jalandhar (Member)
- g. Dr. Manjeet Singh Patterh, Professor (ECE), UcoE, Punjabi University, Patiala (Member)

3. BOS for Certificate/Diploma/Degree Programmes

- a. Dr. A.P. Singh, Professor & Head (Chairperson)
- b. Dr. P.C. Upadhyay, Associate Professor (Member)
- c. Mr. L.S. Solanky, Associate Professor (Member)
- d. Mr. Ajay Pal Singh, Assistant Professor (Member)
- e. Mr. P.K. Das. Assistant Professor (Member)
- f. Dr. R.K. Sarin, Professor, NIT, Jalandhar (Member)
- g. Dr. Manjeet Singh Patterh, Professor (ECE), UcoE, Punjabi University, Patiala (Member)

Course Counselors:

Sr. No.	Class	Counselor
1.	PGECE/09	Mr. L S Solanki (Assoc. Prof)
2.	PGECE/10	Dr.A.P.Singh, (Professor)
3.	GEC/08	Mr. Rajeev Kumar Ranjan (Asstt. Prof)
4.	GEC/09	Dr. J S Ubhi (Assoc. Prof)
5.	GEC/10	Dr. P C Upadhyay, (Assoc. Prof)
6.	DEC/09	Dr. Anupama Marwaha, (Assoc. Prof)
7.	DEC/10	Dr. Surinder Singh, (Assoc. Prof)
8.	CTV/09	Mr. Ajay Pal Singh,(Asstt. Prof)
9.	CTV/10	Mr. L S Solanki (Assoc. Prof)
10.	CSME/09	Mr. Pankaj K Das, (Asstt. Prof)
11.	CSME/10	Mr.Jatinder Singh (Asstt. Prof)

Sponsored Projects:

(a) Research Projects

Project Title	Amount Sanctioned	Funding Agency	Status
Low Power Application Specific Digital Signal Processing on Reconfigurable Platform	Rs.10.00/- Lakhs	MHRD, New Delhi	Completed
Neural Modeling of Transducers	Rs.10.00/- Lakhs	MHRD, New Delhi	Completed

(b) MODROB Projects

Project Title	Amount Sanctioned	Funding Agency	Status
Modernization and Up-gradation of Digital Signal Processing Lab	Rs.7.00/- Lakhs	MHRD, New Delhi	Completed
Advancement of Communication Lab	Rs.9.00/- Lakhs	MHRD, New Delhi	Completed
Enhancement of Rural productivity (A joint project in collaboration with EDP Department, SLIET, Longowal)	Rs.7.00/- Lakhs	MHRD, New Delhi	Completed
Repair & Maintenance of T.V., VCR and Other Electronic Equipments	Rs.2.87/- Lakhs	MHRD, New Delhi	Completed
Studies on Optical Fiber Non-linearity and Dispersion for Broadband Optical Communication Systems and Networks (A joint project in collaboration with REC, Jalandhar)	Rs.6.00/- Lakhs	MHRD, New Delhi	Completed
Modernization and Up-Gradation of Micro-Processor and Digital System Design Lab	Rs.15.00/- Lakhs	MHRD, New Delhi	Completed

Ph.D. Thesis under Supervision:

S. No.	Title	Student	Guide (s)
1	Development of an Intelligent Fruit Quality Grader	Sh. Ajay Pal Singh	Dr. A.P.Singh
2	Studies on Data Hiding in Digital Image for Steganography	Sh. Bal Krishan	Dr. A.P.Singh
3	Computer Aided Characterization of clustered Micro-calcification in Digitized Mammograms	Sh. Baljit Singh	Dr. A.P.Singh
4	Artificial Intelligence Approach to Fault Diagnosis in Electronic Analog, Digital, Mixed and Electromechanical Systems	Sh. A.K. Narula	Dr. A.P.Singh
5	Identification of Optimized Fuzzy-Rule Based Models	Smt. Parvinder Bhalla	Dr. A.P.Singh
6	Design of Micro-strip Antennas using Soft Computing	Sh.Jagtar singh	Dr. A.P.Singh
7	Soft Computing Approach for Design of Micro-strip Antennas	Smt. Shaweta Kakkar	Dr. A.P.Singh
8	Performance Analysis of Resonant Spectra of Malignant Breast Cancer Tumor using 3D Electromagnetic Fast Multipole Model	Sh. L.S.Solanki	Dr.P.C.Upadhyay Dr. Dharmender Singh
9	Performance Evaluation of Wireless OFDM Systems	Sh. Anuj Goyal	Dr.P.C.Upadhyay
10	Tracking Mechanism for Moving Object using System Level Reconfigurable Techniques	Sh. Manoj Pandey	Dr.P.C.Upadhyay Dr. K. Raju Solomon
11	Design and field Analysis of EM Devices using FEM with Application to Biomedical Problems	Smt. Surita Maini	Dr. Anupma Marwaha
12	Electronic Modeling of Meta Material Antennas	Rajni	Dr. Anupma Marwaha
13	Internetworking using IPv6in	Pardeep Gaur	Dr. Anupma Marwaha
14	Raman/Hybrid Amplifiers for Optical Communication Systems and Networks	Sh. Adish Bindal	Dr.Surinder Singh
15	Investigations on Energy Efficient Routing Protocols in Wireless Sensor Networks	Sh.Vinod Verma	Dr.Surinder Singh

Details of Record (Register/Files) with Indexing:

1. Attendance Registers of Faculty (SLIET/ ECE/01)
2. Attendance Registers of Staff (SLIET/ ECE/02)
3. Dispatch Registers (SLIET/ ECE/03)
4. Department Non-Consumable Main-stock Register (SLIET/ ECE/04)
5. Department Consumables Main-stock Register (SLIET/ ECE/05)
6. Lab-wise Consumables Register (SLIET/ ECE/06)
7. Lab-wise Non-consumable register (SLIET/ ECE/07)
8. Requisition Book (SLIET/ ECE/08)
9. HOD Imprest Register (SLIET/ ECE/09)
10. Lab Manuals (SLIET/ ECE/10)
11. PDA Stock Register (SLIET/ ECE/11)
12. Faculty/Staff Reference Files (SLIET/ECE/12)

Conferences/Seminars/Winter/Summer Schools/Training Programmes Organized (2004 onwards):

- 2004:** All India Seminar on Cutting Edge Technologies in Electronic Communications (CETEC-2004), March 14, 2004
- 2005:** One day Workshop on MATLAB
- 2007:** One day Workshop on COSMOL (FEMLAB)
- 2007:** One day workshop on Proteus VSM Software for Design and Simulation of Analog & Digital Circuits
- 2008:** National Conference on Communication & Networking (NCCN-08), March 27-28, 2008.
- 2009:** 2nd National Conference on Communication & Networking (NCCN-09), March 6-7, 2009
- 2009:** Three Days Workshop on Introduction to LabVIEW Software in collaboration with M/S Trident Techlabs, New Delhi, May 19-21, 2009.
- 2009:** One day workshop on Demonstration and working of Microwave components, Devices & Measuring Instruments, in collaboration with M/S Mars Edpal Instruments Pvt. Ltd., Ambala Cantt, Sept. 08, 2009.
- 2009:** Workshop on Robotics and Automation in collaboration with Neotel Systems & Services, Chandigarh, Oct.08, 2009
- 2010:** 3rd National Conference on Communication & Networking (NCCN-10), March 12-13, 2010.
- 2010:** Seminar on Embedded Systems Trends & Technologies organized in collaboration with NETMAX Technologies, Chandigarh, April 21, 2010.
- 2010:** Three Days Training Programme on the use of Machine Vision Equipment including NI Vision Development Module, Aug.04-06, 2010.
- 2010:** Training Programme on IE3D Software
- 2011:** 4th National Conference on Communication & Networking (NCCN-11), Feb. 04-05, 2011.

Expert Lectures Conducted (2004 onwards):

Year	Expert Lecture
2005	Expert lectures by the representative on MATLAB organized in collaboration with Appin Knowledge Solution, Pitampura, New Delhi
2007	Expert lectures by the representative on COSMOL (FEMLAB) organized in collaboration with Innovate Software Solution Private Limited, Bangalore
2007	Expert lectures by the representative on Protus VSM Software for Design and Simulation of Analog and Digital circuits with Co/Simulation of Microcontroller organized in collaboration with M/S Cybermotion Technologies, Hyderabad
2008	Expert lecture delivered by Dr. Manjeet Singh Pattarh, Director, UIET, Punjabi University, Patiala during National Conference on Communication & Networking (NCCN'08).
2008	Expert lecture delivered by Dr. Shakti Kumar, Director, ISTK Klawat, Distt Yamunanagar during 1 st National Conference on Communication & Networking (NCCN'08).
2008	Expert lecture delivered by Dr. Bandyupadhyay , Director, NIT, Kurukshetra, during National Conference on Communication & Networking (NCCN'08).
2008	Expert lecture delivered by Dr. Jitender Chhabra, Asstt Prof, NIT Kurukshetra during National Conference on Communication & Networking (NCCN'08).
2009	Expert lectures by the representative on "Introduction to Labview Software" organized in collaboration with M/S Trident Techlab, New Delhi
2009	Expert lecture delivered by Dr. Shakti Kumar, Director, ISTK Klawat, Distt Yamunanagar during 2 nd National Conference on Communication & Networking (NCCN'09).
2009	Expert lecture delivered by Dr. Jitender Chhabra, Asstt Prof, NIT Kurukshetra during 2 nd National Conference on Communication & Networking (NCCN'09).
2009	Expert lecture delivered by Dr. R. Raju K. Solomon, Scientist E-1, CEERI Pilani during 2 nd National Conference on Communication & Networking (NCCN'09).
2010	Expert Lecture delivered by Dr. Shakti Kumar, Chairman, BOG, ISTK, Klawad (Yamuna Nagar) during 3 rd National Conference on Communication & Networking (NCCN-10).
2010	Expert lecture delivered by Brig. S.S.Sawhney (Retired) during 3 rd National Conference on Communication & Networking (NCCN-10).
2010	Expert lecture delivered by Prof.(Dr.) T.S.Kamal during 3 rd National Conference on Communication & Networking (NCCN-10).
2011	Expert lecture delivered by Dr. Pawan Kapur, Director, CSIO, Chandigarh during 4 th National Conference on Communication & Networking (NCCN-11).
2011	Expert lecture delivered by Dr. R.S.Kaler, Sr. Professor, Thapar University, Patiala during 4 th National Conference on Communication & Networking (NCCN-11).
2011	Expert lecture delivered by Prof.(Dr.) Manjit Singh, , Punjabi University, Patiala during 4 th National Conference on Communication & Networking (NCCN-11).
2011	Expert lecture delivered by Prof.(Dr.) A.P. Singh, HOD (ECE), SLIET, Longowal during 4 th National Conference on Communication & Networking (NCCN-11).

Laurels & Distinctions:

Name of awards/prizes/certificates, etc.	Year	Awards/ prizes received from
2 nd Prize Award for the Project on Programmable Robot won by Students in ELECTRAMA-2004	2004	6 th International Exhibition of Electrical, Professional Electronics and Allied Products Feb 3-7, 2004, New Delhi organized by IEEMA
IETE Student's Journal Award (Dr.A.P.Singh, Professor)	2006	IETE, New Delhi
Certificate of Merit (Dr.A.P.Singh, Professor)	2006	Institution of Engineers (India)
Certificate of Merit (Mr.J.S.Ubhi, Assistant Professor)	2007	Institution of Engineers (India)
K.F.Antia Memorial Award (Dr.A.P.Singh, Professor)	2009	Institution of Engineers (India)
Biography included in 2009 edition of Who's Who in the World (Dr.A.P.Singh, Professor)	2009	MARQUIS Who's Who, 890 Mountain Ave, Suite 300, New Province NJ-07974 (USA).
Certificate of Merit (Dr.A.Marwaha, Assistant Professor)	2009	Institution of Engineers (India)
Certificate of Achievement & Gold in Electronic Circuit Connection & Techniques & Gold Medal (Sandeep Singh Student) during Regional Abilympics-North Zone	2009	National Abilympic Association of india, Karkar Dooma, Vikas Marg, Delhi-110092
Biography has been selected for 2010 edition of Who's Who in the World (Dr.A.P.Singh, Professor)	2010	MARQUIS Who's Who, 890 Mountain Ave, Suite 300, New Province NJ-07974 (USA).
Sir Thomas Ward Memorial Prize (Dr.A.P.Singh, Professor)	2010	Institution of Engineers (India)

Research Publications (2004 onwards):

Year	Publication in Conferences	Publication in Journals		Publication of Books
		National	International	
2004	28	02	03	--
2005	17	01	03	--
2006	14	01	06	--
2007	06	03	04	--
2008	--	04	04	01 (chapter)
2009	04	04	01	--
2010	08	04	05	01 (Chapter)
2011	21	--	--	--

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3. **Amar Partap Singh**, T.S. Kamal and Shakti Kumar, "Artificial Neural Network Based Soft Estimator for Estimation of Transducer Static Non-linearity," *International Journal of Neural Systems*, vol. 14, no.4, pp.237-246, 2004.
4. **Amar Partap Singh**, "Versatile virtual transducer response curve tracer based on data acquisition card," *IETE Journal of Education*, vol.45, no.1, 2004.
5. **Anupma Marwaha**, I.S. Hudiara and Sanjay Marwaha, "FE Analysis of ACSA", *IETE Journal of Research*, Vol. 50, No. 3, May-June, 2004, pp. 223-228.
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12. Ruchita Gupta, **P. C. Upadhyay**, and S. Tiwari, "Reducing Signaling Cost of Movement-Based Location Management Scheme in Wireless Networks," Proc. International Conference on Controls, Automation and Communication Systems, ICCACS-2004, Bhubaneswar, INDIA, Allied Publishers, pp. 95-103.

13. **Ubhi JS**, Patterh MS & Kamal TS, Analysis of MQAM with Hybrid S/MRC Diversity Reception over Independent and Identically Distributed Nakagami Fading Channels, National Conference on Electronics Circuits & Communication Systems, Thapar Institute of Engg. & Tech., Patiala, September, 2004.
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