

# **DIRECTOR GENERAL**

### Details of Faculty

1. Name	Prof. P.S. Grover
2. Date of birth	10/05/1939
3. Educational Qualification	M Sc., Ph. D
4. Work Experience	more than 43 Years
a) Teaching + Research	more than 35 Years
b) Industry	8 Years
c) Others	
5. Area of specialization	Computer Science & Engineering
6. Subjects teaching at undergraduate level & Postgraduate level	Computer Science, Computer Graphics, Software Engineering, Project Management, Programming Languages
7. Research Guidance	more than 27 Years
No. of papers published in	
Masters Dissertations supervised	more than <b>70</b>
Ph. D Thesis supervised	<b>20</b>
8. Projects Carried out	<b>8</b>
9. Patents	
10. Technology Transfer	
11. Research Publications	<b>90</b>
12. No. of books Published with details	<b>9</b>

**DIRECTOR**

### Details of Faculty

1. Name	Dr. Kuldip Singh Sayann
2. Date of Birth	8 <sup>th</sup> October, 1944
3. Qualifications	Ph. D. (Mechanical) from IIT, Mumbai
4. Professional Experience	37 years
5. Area of specialization	Hydro Power
6. Subjects teaching at undergraduate Level	Fluid Mechanics Drawing
Postgraduate Level	
7. Research Guidance	
No. of papers published in	
Masters	06
Ph. D.	02
8. Projects carried out	08
9. Patents	
10. Technology Transfer	
11. Research Publications	List enclosed
Papers Published in Journals	04
Papers published at International Conferences/Seminars	11
Papers published at National Conferences/Seminars	39
12. No. of books published with details	

# **Computer Science**

### Details of Faculty

1. Name	Munshi Yadav
2. Date of birth	07-06-1973
3. Educational Qualification	B.E., M.Tech, Pursuing P.hd
4. Work Experience	9 Years & 6 Months
a) Teaching	7 Years
b) Research + Industry	2 Years & 6 Months
c) Others	
5. Area of specialization	Simulation and Modeling of Natural Language Processing
6. Subjects teaching at undergraduate level	A.D.A, AI, TCN, DS, OOPS, FCS & Compiler Construction
Postgraduate level	A.D.A / OOPS
7. Research Guidance	
No. of papers published in	
Masters	<b>10</b>
Ph. d	
8. Projects Carried out	<b>2</b>
9. Patents	
10. Technology Transfer	<b>2</b>
11. Research Publications	

12. No. of books Published with details

**Details of Faculty**

1. Name	Parminder Pal Singh Bedi
2. Date of birth	01/07/1973
3. Educational Qualification	B.E (Comp. Sc.), MIT, MBA Pursuing M. Tech
4. Work Experience	12 Years
a) Teaching	8 Years
b) Research	
c) Industry	4 Years
d) Others	
5. Area of specialization	
6. Subjects teaching at undergraduate level	E Com. & ERP, Operating Systems, Data Structures, OOPS using C++, Introduction to Computer, 'C' Language.
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	2
9. Patents	
10. Technology Transfer	
11. Research Publications	

12. No. of books Published with details

**Details of Faculty**

1.Name	Aashish Bhardwaj
2.Date of birth	19-07-1978
3.Educational Qualification	M.Tech (CSE)
4.Work Experience	6 Years
a)Teaching	6 Years
b)Research	
c)Industry	
d)Others	
5.Area of specialization	Computer Graphics & Multimedia
6.Subjects teaching at undergraduate level	1. Software Engineering 2. Operating System-II 3. Computer Architecture 4. DBMS 5. OOPS using C++ 6. Linux and X-Windows Programming 7. Multimedia Technologies 8. Java & Website Design 9. Interface Programming 10. Computer Graphics 11. Data Structures
Postgraduate level	
7.Research Guidance	
No. of papers published in	
Masters	10
Ph. d	4
8.Projects Carried out	

- 9. Patents
- 10. Technology Transfer
- 11. Research Publications
- 12. No. of books Published with details

**Details of Faculty**

1. Name	Gurpreet Kaur
2. Date of birth	12-11-1970
3. Educational Qualification	BE in Computer Science & Engineering, M. Tech (IT)
4. Work Experience	12 years
a) Teaching	11 .3 Years
b) Research	
c) Industry	9 months
d) Others	
5. Area of specialization	Software Engineering, Programming in C & C++, Data Structures
6. Subjects teaching at undergraduate level	Object Oriented Software Engineering. & Software Engineering, Data structures, Object Oriented Programming using C++, introduction to computers, Introduction to programming
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	National Journals
Ph. D	International Journals
	Conferences:
	1. Smart Governance in Rural development
	2. Extending UML for agents
8. Projects Carried out	

9.Patents

10.Technology Transfer

11.Research Publications

12.No. of books Published with details

**Details of Faculty**

1. Name	Savneet Kaur
2. Date of birth	08/08/1980
3. Educational Qualification	B.Tech & M.Tech
4. Work Experience	6 Years
a) Teaching	5 Years
b) Research	
c)Industry	1 year
d)Others	
5.Area of specialization	Networking
6.Subjects teaching at undergraduate level	Network Technology, Computer Networks, Data Communication & Networking, Internetworking, Operating System
Postgraduate level	
7.Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8.Projects Carried out	1
9.Patents	
10.Technology Transfer	
11.Research Publications	

12.No. of books Published with details

**Details of Faculty**

1. Name	Shweta Chandna
2.Date of birth	28-10-1981
3.Educational Qualification	B.E in Computer Science Pursuing M. tech from NSIT, Dwarka
4.Work Experience	4.5 Years
a) Teaching	4.5 years
b) Research	
c) Industry	
d) Others	
5.Area of specialization	Compiler Design, Programming in C & C++, Data Structures, OOPS, Data Mining and Data Warehousing
6.Subjects teaching at undergraduate level	Data Mining and Data Warehousing Compiler Design, Programming in C & C++, Data Structures, OOPS
Postgraduate level	
7.Research Guidance	
No. of papers published in	
Masters	published in an international journal.
Ph. d	
8.Projects Carried out	Design of a Compiler

- 9. Patents
- 10. Technology Transfer
- 11. Research Publications
- 12. No. of books Published with details

**Details of Faculty**

1. Name	Manmeet Singh Kapoor
2. Date of birth	17 June 1980
3. Educational Qualification	B.E. (Comp. Science) Comptia Linux +, LPI 1, LPI 2, CCNA, MCP, M. Tech (Pursuing)
4. Work Experience	5 Years
e) Teaching	4.5 Years
f) Research	
g) Industry	6 Months
h) Others	
5. Area of specialization	
6. Subjects teaching at undergraduate level	Linux, Computer Architecture , AI & Robotics, CG
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	2
9. Patents	

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

**Details of Faculty**

1. Name	Rajiv Chopra
2. Date of birth	6 <sup>th</sup> May 1974
3. Educational Qualification	B.E. (CSE), MIT, M. Tech (IT)
4. Work Experience	10 Years
a) Teaching	9 years
b) Research	
c) Industry	1 year
d) Others	
5. Area of specialization	C/ C++, Software Engineering, Software Testing, System Programming, VB 6.0, ASP, ACA
6. Subjects teaching at undergraduate level	C/ C++, Software Engineering, System Programming, VB 6.0, ASP, ACA
Postgraduate level	C/ C++, Software Engineering, VB 6.0, ASP
7. Research Guidance	
No. of papers published in	National Conference on Trends in Computing
Masters	1
Ph. d	
8. Projects Carried out	Computer aided Digital Design,

Library Information System, Entertainment  
Galleria, Hospital Information System,  
Living Online, Shop Online.com

9. Patents

10. Technology Transfer

11. Research Publications

Presented a paper at National Conference on  
TPA

12. No. of books Published with details

4 Books Published.

#### **Details of Faculty**

1. Name	Moitreyee Dasgupta
2. Date of birth	23/01/1977
3. Educational Qualification	M Tech (Computer Science)
4. Work Experience	8 Years
a) Teaching	8 Years
b) Research	started, not yet registered
c) Industry	
d) Others	
5. Area of specialization	Mobile adhoc Wireless Networks (MANET) Diagnose & Reliable Design of Digital System
6. Subjects teaching at undergraduate level	Data Structure, Compiler, Graphics, FCS, ACN etc
Postgraduate level	Operating System, Data Structure
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	

8. Projects Carried out 3

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

**Details of Faculty**

1. Name	Kanwarjit Singh
2. Date of birth	27/11/1982
3. Educational Qualification	B. Tech, M. Tech (Pursuing)
4. Work Experience	4 years
a) Teaching	4 years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	ADA, TOC, Data Structures, DBMS, FCS
6. Subjects teaching at undergraduate level	ADA, TOC, Data Structures, DBMS, FCS
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	2
Ph. d	
8. Projects Carried out	5

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

**Details of Faculty**

1. Name	Geetika Bhatia
2. Date of birth	26-03-1980
3. Educational Qualification	B. Tech
4. Work Experience	4 Years
a) Teaching	Three & half year
b) Research	
c) Industry	Six Months
d) Others	
5. Area of specialization	
6. Subjects teaching at undergraduate level	Object Oriented Programming using C++, Java Programming and website design, Software Engineering, Introduction to Programming (C Language)
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	

8. Projects Carried out

Leave management System, Mail Component (using Core Java and Advanced Java and MS Access), Fee Registration System using VB and MS Access

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

#### **Details of Faculty**

1. Name	Gaurav Sandhu
2. Date of birth	20/09/1980
3. Educational Qualification	B Tech, M Tech (Pursuing)
4. Work Experience	6 Years
a) Teaching	5 Years
b) Research	
c) Industry	1 Year
d) Others	
5. Area of specialization	Programming
6. Subjects teaching at undergraduate level	Operating Systems, Data Structures, C, C++
Postgraduate level	Digital Electronics, CA, OOPS
7. Research Guidance	
No. of papers published in	
Masters	1
Ph. d	

8. Projects Carried out  
adhoc

Detection of Blackhole attacks in  
wireless Network

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

### **Details of Faculty**

1. Name	Kapila Kapoor
2. Date of birth	26/02/1980
3. Educational Qualification	B Tech, M. Tech (Pursuing)
4. Work Experience	
a) Teaching	3 years & 8 months
b) Research	1 Year
c) Industry	4 months
d) Others	2 months in Airport Authority of India + 2 months in HCL
5. Area of specialization	Information System & Software Testing, DBMS
6. Subjects teaching at undergraduate level	Operating Systems, Software Engineering, Software Testing, Computer Architecture, DBMS
Postgraduate level	
7. Research Guidance	

No. of papers published in Masters	1 in National Conference
Ph. d	
8. Projects Carried out	2
9. Patents	
10. Technology Transfer	
11. Research Publications	1 in National Journal at SVIET Workshop on VB.NET at NITTTR, Chandigarh
12. No. of books Published with details	

#### Details of Faculty

1. Name	Rajandeep Kaur Brar
2. Date of birth	10/06/1981
3. Educational Qualification	B Tech (CSE), M Tech (CSE)
4. Work Experience	4.6 Years
a) Teaching	4 Years
b) Research	
c) Industry	6 months
d) Others	
5. Area of specialization	Image Processing (compression)
6. Subjects teaching at undergraduate level	CA, Parallel architecture Computing, Data Ware Housing & Data Mining, DBMS, Data Structure, Asynchronous Transfer

mode, Network Operating System.

Postgraduate level	CA, MIS
7. Research Guidance	
No. of papers published in	
Masters	8
Ph. d	
8. Projects Carried out	5
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

**Details of Faculty**

1. Name	Meenakshi
2. Date of birth	5/08/1983
3. Educational Qualification	B.E, M Tech
4. Work Experience	6 months
a) Teaching	6 months
b) Research	
c) Industry	
d) Others	
5. Area of specialization	C, Operating System , Java,

Software Engineering, Software Testing

6. Subjects teaching at undergraduate level

C, Operating System , Java

Postgraduate level

7. Research Guidance

No. of papers published in

Masters

Ph. d

8. Projects Carried out

3

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

### **Details of Faculty**

13.Name

Tanu Sukhija

14.Date of birth

17/06/1981

15.Educational Qualification

B Tech (IT)

16.Work Experience

3 Years

e) Teaching

3 Years

f) Research

- g) Industry
  - h) Others
17. Area of specialization DBMS, CA, Artificial Intelligence, Introduction to Computers
18. Subjects teaching at undergraduate level DBMS, CA, Artificial Intelligence, Introduction To Computers
- Postgraduate level
19. Research Guidance
- No. of papers published in
- Masters
- Ph. d
20. Projects Carried out Library Management, Chat Application
21. Patents
22. Technology Transfer
23. Research Publications
24. No. of books Published with details

**Details of Faculty**

25. Name Poonam Narang
26. Date of birth 05/09/1980
27. Educational Qualification MCA, M Tech
28. Work Experience 3 Years

i) Teaching	2 Years
j) Research	
k) Industry	1 Year
l) Others	
29.Area of specialization	Software Engineering
30.Subjects teaching at undergraduate level	Software Engineering, CA, Data Structures
Postgraduate level	Software Engineering, Software Requirement Estimation Techniques, CO, FIT
31.Research Guidance	
No. of papers published in	
Masters	
Ph. d	
32.Projects Carried out	3
33.Patents	
34.Technology Transfer	
35.Research Publications	
36.No. of books Published with details	

**Details of Faculty**

37.Name	Rekha Bhatia
38.Date of birth	22/07/1971

39.Educational Qualification	B Tech (CS), M.E. (CSE)
40.Work Experience	12 Years
m) Teaching	10 Years
n) Research	
o) Industry	2 Years
p) Others	
41.Area of specialization	Web Mining, Semantic Web, Neural Networks
42.Subjects teaching at undergraduate level	CA, AI, OOPS, Software Engineering, Java, DBMS
43.Postgraduate level	CA, AI, OOPS, Software Engineering, Java, DBMS
44.Research Guidance	
No. of papers published in	
Masters	1
Ph. D	1
45.Projects Carried out	1
46.Patents	
47.Technology Transfer	
48.Research Publications	
49.No. of books Published with details	

### **Details of Faculty**

1. Name	Amandeep Kaur
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|---|---|
| 2. Date of Birth                            | 18.12.1980  |
| 3. Educational Qualification                | M. Tech (IT) (Final Project Result awaited), M.Sc (Computer Science), B.Com.O.A, B Level  |
| 4. Work Experience                          | 5 years   |
| a) Teaching                                 | 5 years   |
| b) Research                                 |   |
| c) Industry                                 |   |
| d) Others                                   | 2 years as a System Manager   |
| 5. Area of Specialization                   | Java, C++, DBMS, OS   |
| 6. Subjects teaching at undergraduate level | OOPS using C++, Operating Design, OOPS using Java, Artificial Intelligence, DBMS, Software Engineering, Algorithm analysis & Design |
| Postgraduate level                          |   |
| 7. Research Guidance                        |   |
| No. of papers published in Masters          | 3   |
| Ph. D                                       |   |
| 8. Projects Carried out                     | Survey on web attacks in Master's Degree (M.Tech)   |
| 9. Patents                                  |   |
| 10. Technology Transfer                     |   |
| 11. Research Publications                   |   |
| 12. No. of books Published with details     |   |

# **ELECTRONICS**

Details of Faculty

1. Name	Vaneet Singh
2. Date of birth	23.01.1977
3. Educational Qualification	M Tech, B. E., Pursuing Ph D
4. Work Experience	10 Years
a) Teaching	10 Years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	VLSI Design, DSP, Microprocessor
6. Subjects teaching at undergraduate level	Digital Circuit & Systems, DSP, Microprocessor, Advanced VLSI
Postgraduate level	
50. Research Guidance	
No. of papers published in	
Masters	2
Ph. d	
51. Projects Carried out	8
52. Patents	
53. Technology Transfer	
54. Research Publications	
55. No. of books Published with details	1..Microprocessor and Interfacing 2. Introductions to Microprocessor 3. Electronic Design 4. Lateral Engineering Entrance Test

**Details of Faculty**

1. Name	Amrik Singh
2. Date of birth	12/05/1948
3. Educational Qualification	M.E. (ECE)
4. Work Experience	38 Years in CSIR as a Scientist
a) Teaching	
b) Research	34 Years
c) Industry	4 Years
d) Others	
5. Area of specialization	Communications, FPGA Based Embedded System, Electronics Control System for Robotics, Speech Technology
6. Subjects teaching at undergraduate level	Communications Circuit & Systems
Postgraduate level	
7. Research Guidance	Communications, FPGA Based Embedded System, Electronics Control System for Robotics, Speech Technology
No. of papers published in Masters	10
Ph. d	
56. Projects Carried out	10
57. Patents	Filed one patent
58. Technology Transfer	
59. Research Publications	10
60. No. of books Published with details	

**Details of Faculty**

1. Name	Anita Chaudhary
2. Date of birth	21/03/1973
3. Educational Qualification	M. Tech
4. Work Experience	13 Years
a) Teaching	11 Years
b) Research	
c) Industry	2 Years
d) Others	Part time classes at ICMR, assignments for SOET, IETE degree level
5. Area of specialization	EEE Engineering
6. Subjects teaching at undergraduate level	Electrical Machines, Electrical Engineering Materials, EMEC-II, Power Station Practice
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	2 in National Conference at NSIT 2008 sponsored by ISTE
Ph. d	
8. Projects Carried out	Power line communication, Designing of Servo Stabilizers, Designing of circuit model of various electrical devices
61. Patents	
62. Technology Transfer	
63. Research Publications	
64. No. of books Published with details	

### **Details of Faculty**

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|---|--|
| 1. Name                                     | Baldev Raj   |
| 2. Date of birth                            | 8. 8. 1938   |
| 3. Educational Qualification                | B.E (Hon) Tele Communication<br>M.E Advanced Electronics   |
| 4. Work Experience                          | 46 Years   |
| a) Teaching                                 | 46 Years   |
| b) Research                                 |  |
| c) Industry                                 |  |
| d) Others                                   |  |
| 5. Area of specializations                  | Microwave Engineering  |
| 6. Subjects teaching at undergraduate level | 1. Analog Electronics-I<br>2. Analog Electronics-II<br>3. Electronic Magnetic fields<br>4. Transmission Lines<br>Microwave Engineering |
| Postgraduate level                          |  |
| 7. Research Guidance                        |  |
| No. of papers published in                  |  |
| Masters                                     |  |
| Ph. D                                       |  |
| 8. Projects Carried out                     | Phase Correction of Horn<br>Radiators by E plane metal<br>plate lenses   |
| 9. Patents                                  |  |
| 10. Technology Transfer                     |  |
| 11. Research Publications                   |  |

12. No. of books Published with details

**Details of Faculty**

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|---|---|
| 1. Name                                     | Deepak Bhalla   |
| 2. Date of Birth                            | 07.02.1984  |
| 3. Educational Qualification                | B.Tech (ECE)  |
| 4. Work Experience                          |   |
| a) Teaching                                 |   |
| b) Research                                 |   |
| c) Industry                                 |   |
| d) Others                                   |   |
| 5. Area of Specialization                   | Electronics & Communication   |
| 6. Subjects teaching at undergraduate level | Circuit & Systems,<br>Analog Electronics - I                                    |
| Postgraduate level                          |   |
| 7. Research Guidance                        |   |
| No. of papers published in                  |   |
| Masters                                     |   |
| Ph. D                                       |   |
| 8. Projects carried out                     | 1. Human Tracking System<br>2. Function Generator<br>3. Network Centric Warfare |
| 9. Patents                                  |   |
| 10. Technology Transfer                     |   |
| 11. Research Publications                   |   |
| 12. No. of books Published with details     |   |

### **Details of Faculty**

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|---|---|
| 1. Name                                     | Deepali Sharma  |
| 2. Date of birth                            | 18-04-1983  |
| 3. Educational Qualification                | B.Tech & M.Tech   |
| 4. Work Experience                          | 4 Years   |
| a). Teaching                                | 4 Years   |
| b) Research                                 |   |
| c) Industry                                 |   |
| d) Others                                   |   |
| 5. Area of specialization                   | ECE, ENERGY STUDIES   |
| 6. Subjects teaching at undergraduate level | Control Systems,<br>Microprocessor-1<br>Digital Circuits And Systems-I, Radar &<br>Navigation, Communication Systems,<br>Telecommunication Networks,<br>Electrical Science, Matlab (Dsp)<br>Circuit & systems |
| Post Graduate                               |   |
| 7. Research Guidance                        |   |
| No. of papers published in                  |   |
| Masters                                     |   |
| Ph. d                                       |   |
| 8. Projects Carried out                     | Pattern Recognition Using Digital Image Processing<br>AGC of 2 area thermal – thermal and hydro thermal systems using intelligent controller  |
| 9. Patents                                  |   |
| 10. Technology Transfer                     |   |
| 11. Research Publications                   |   |
| 12. No. of books Published with details     |   |

## Details of Faculty

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|---|--|
| 1. Name                                     | Dilpreet Budwal  |
| 2. Date of Birth                            | 02.07.1982   |
| 3. Educational Qualification                | B. Tech (ECE), pursuing<br>M. Tech (SP) from NSIT  |
| 4. Work Experience                          | 4 years  |
| a) Teaching                                 | 4 years  |
| b) Research                                 |  |
| c) Industry                                 |  |
| d) Others                                   |  |
| 5. Area of Specialization                   | Signal Processing  |
| 6. Subjects teaching at undergraduate level | AE I, AE II, DCS I, DCS II,<br>Control System,<br>Communication Systems,<br>Electrical Science,<br>Digital |
| Communication                               |  |
| Postgraduate level                          |  |
| 7. Research Guidance                        |  |
| No. of papers published in                  |  |
| Masters                                     |  |
| Ph. D                                       |  |
| 8. Projects Carried out                     |  |
| 9. Patents                                  |  |
| 10. Technology Transfer                     |  |
| 11. Research Publications                   |  |
| 12. No. of books Published with details     |  |

### Details of Faculty

1. Name Disha Bathla
2. Date of Birth 20-11-1985
3. Educational Qualification B. Tech, M. Tech (pursuing)
4. Work Experience more than 1 Year
  - a) Teaching One year and One month
  - b) Research
  - c) Industry
  - d) Others
5. Area of Specialization Instrumentation & Control, Signal Processing
6. Subjects teaching at undergraduate level
  - a) Circuit & System
  - b) Control Engineering

Postgraduate level
7. Research Guidance  
No. of Papers published in  
Masters  
Ph. D
8. Projects Carried out
9. Patents
10. Technology Transfer
11. Research Publications
12. No. of books Published with Details

### Details of Faculty

1. Name	H.C Sharma
2. Date of birth	7-5-1943
3. Educational Qualification	B.SC Engg (Electrical) MBA
4. Work Experience	42 Years
a) Teaching	8 years
b) Research	
c) Industry	31 Years
d) Others	3 Years
5. Area of specializations	Electrical Engineering, Management
6. Subjects teaching at undergraduate level	1. Consumer Electronics 2. Electrical Science 3. Organizational Behaviors
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. D	
8. Projects Carried out	
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

### **Details of Faculty**

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|--|---|
| 1. Name                                      | Madhu Jain  |
| 2. Date of birth                             | 23 Sept. 1981   |
| 3. Educational Qualification                 | B.E, Pursuing M.Tech  |
| 4. Work Experience                           |   |
| a) Teaching                                  | 4 years   |
| b) Research                                  |   |
| c) Industry                                  |   |
| d) Others                                    |   |
| 5. Area of specialization                    | Embedded System, Digital Signal Processing  |
| 6. Subjects teaching at undergraduate level: | Embedded Hardware, Embedded System design, Digital Signal Processing, Control System, Circuits and System, Electrical Science |
| Postgraduate level                           |   |
| 7. Research Guidance                         |   |
| No. of papers published in                   |   |
| Masters                                      |   |
| Ph. d  |   |
| 8. Projects Carried out                      | Echo Cancellation using ADSP-2105 (Embedded Certificate Course), Ozone Generator (B.E)  |
| 9. Patents                                   |   |
| 10. Technology Transfer                      |   |
| 11. Research Publications                    | 3   |
| 13. No. of books Published with details      |   |

### **Details of Faculty**

1. Name	Maninder Kaur
2. Date of birth	28-03-1982
3. Educational Qualification	B.E (E.C.E), M.E (E.C.E)
4. Work Experience	2 Years
a) Teaching	2 Years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Electronic and Communication
6. Subjects teaching at undergraduate level	Control System, Communication Systems Electrical Science, Circuit and System, Analog Electronics
Postgraduate level	
7. Research Guidance	
No. of papers published	
Masters	1
Ph. d	
8. Projects Carried out Saver	1) Microcontroller Based Power 2) Real -Time Monitoring System 3) Microcontroller Based Temperature Controller
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

### Details of Faculty

1. Name	Manisha Mittal
2. Date of birth	22/04/1983
3. Educational Qualification	ME (ECE)
4. Work Experience	3 Years
a) Teaching	3 years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Communication & Networking
6. Subjects teaching at undergraduate level	Communication System & circuit- II, Digital Electronics, Communication System-I, Network Technology, Electrical Science
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	National conference- papers- 5 International conference -papers- 1
Ph. d	
8. Projects Carried out	
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

### **Details of Faculty**

1. Name	Manpreet Kaur
2. Date of birth	30 Aug, 83
3. Educational Qualifications	B Tech, Pursuing M.Tech
4. Work Experience	3 Years (approx.)
a) Teaching	3 Years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Electronic and Communication
6. Teaching at undergraduate level	Computer Architecture, Mobile Computing, Digital signal processing, satellite and mobile communication, signal and system, digital communication, digital circuit and system, communication system
7. Research Guidance	
No. of Papers Published in	
Master	
PhD	
8. Projects carried out	2

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

**Details of Faculty**

1. Name	Mansi Khera
2. Date of birth	26 June 1980
3. Educational Qualification	B Tech, M. Tech
4. Work Experience	5 Years
a) Teaching	4.4 Years
b) Research	8 months
c) Industry	
d) Others	
5. Area of specialization	VLSI, VHDL, Digital Circuits
6. Subjects teaching at undergraduate level	VLSI, VHDL, Digital Circuits, Circuit & Systems
Postgraduate level	
7. Research Guidance	
No. of papers published in	5
Masters	
Ph. d	
8. Projects Carried out Security	Microprocessor Based System
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

### **Details of Faculty**

1. Name	Mukesh Sahu
2. Date of birth	01/11/1978
3. Educational Qualification	B. Tech & Pursuing M. Tech
4. Work Experience	4.6 Years
a) Teaching	4 years
b) Research	
c) Industry	6 months
d) Others	
5. Area of specialization	Digital System Design.
6. Subjects teaching at undergraduate level	Microprocessor, Microwave, Satellite Comm., Analog Elec., Communication System, DCS-II
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	C-Band Satellite Receiver, Microprocessor Based Signal Analyzer, 2-4 Line Epabx.
9. Patents	
10. Technology Transfer	

11. Research Publications

12. No. of books Published with details

### **Details of Faculty**

- |     |  |  |
|-----|--|--|
| 1.  | Name                                     | Neetu Settia   |
| 2.  | Date of Birth                            | 3-08-1983  |
| 3.  | Educational Qualification                | B. tech, M. Tech (pursuing)                              |
| 4.  | Work Experience                          | 1.4 Years  |
|     | a) Teaching                              | One year and four months                                 |
|     | b) Research                              |  |
|     | c) Industry                              |  |
|     | d) Others                                |  |
| 5.  | Area of Specialization                   | Communication & Biometrics                               |
| 6.  | Subjects teaching at undergraduate level | Optical Fiber Communication,<br>Digital Communication -I |
|     | Postgraduate level                       |  |
| 7.  | Research Guidance                        |  |
|     | No. of Papers published in               |  |
|     | Masters                                  |  |
|     | Ph. D                                    |  |
| 8.  | Projects Carried out                     |  |
| 9.  | Patents                                  |  |
| 10. | Technology Transfer                      |  |
| 11. | Research Publications                    |  |
| 12. | No. of books Published with Details      |  |

**Details of Faculty**

1. Name	Niti Kumar
2. Date of birth	14/05/1980
3. Educational Qualification	M Tech
4. Work Experience	1 Month
a) Teaching	
b) Research	
c) Industry	
d) Others	
5. Area of specialization	VLSI Design
6. Subjects teaching at undergraduate level	Digital Circuit & Systems-II, Circuit & Systems
Postgraduate level	
7. Research Guidance	1
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	3
9. Patents	
10. Technology Transfer	
11. Research Publications	

12. No. of books Published with details

**Details of Faculty**

1. Name	Parul Dawar
2. Date of birth	22/12/1983
3. Educational Qualification	B Tech (ECE), M Tech (Microwave Electronics)
4. Work Experience	1 Year
a) Teaching	1 Year
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Microwave Electronics
6. Subjects teaching at undergraduate level	Digital Communication-1, Microwave Engineering, Electromagnetic field theory & Transmission line, Communication CRT & system
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	1. MESFET fabrication and characterization 2. Lapping Polish of wafer and study of HBT 3. Design & simulation of LPF 4. Ferrite fabrication design & simulation of ferrite phaseshifters (thesis) All carried in DRDO (SSPL)

- 9. Patents
- 10. Technology Transfer
- 11. Research Publications
- 12. No. of books Published with details

### **Details of Faculty**

1.	Name	Ms Prachi Dewan
2.	Date of Birth	09-04-1981
3.	Educational Qualification	B Tech (Electronics & Instrumentation) and M-tech (pursuing)
4.	Work Experience	4 Years
	a) Teaching	4 years in GTBIT
	b) Research	
	c) Industry	
	d) Others	
5.	Area of Specialization	Digital Hardware, VLSI
6.	Subjects teaching at undergraduate level	CS –II, Circuit & System, VLSI, VHDL, digital
	Postgraduate level	
7.	Research Guidance	
	No. of Papers published in	
	Masters	
	Ph. D	
8.	Projects Carried out	
9.	. Patents	
10.	Technology Transfer	

11. Research Publications
12. No. of books Published with Details

### **Details of Faculty**

- |   |  |
|---|--|
| 1. Name                                     | Pradeep Gulati   |
| 2. Date of Birth                            | 22.10.1984   |
| 3. Educational Qualification                | B.Tech (IT)  |
| 4. Work Experience                          |  |
| a) Teaching                                 |  |
| b) Research                                 |  |
| c) Industry                                 |  |
| d) Others                                   |  |
| 5. Area of Specialization                   | Information Technology   |
| 6. Subjects teaching at undergraduate level | Computer Architecture,<br>Microprocessor   |
| Postgraduate level                          |  |
| 7. Research Guidance                        |  |
| No. of papers published in                  |  |
| Masters                                     |  |
| Ph. D                                       |  |
| 8. Projects carried out                     | 1. 555 IC Testers<br>2. 8-bit Security Lock Code<br>3. Mobile Jammer<br>4. LPG Gas Agency using C#.net |
| 9. Patents                                  |  |

10. Technology Transfer
11. Research Publications
12. No. of books Published with details

**Details of Faculty**

1. Name	Srishti Mathur
2. Date of birth	13/12/1984
3. Educational Qualification	B Tech, M Tech (Pursuing)
4. Work Experience	1.6 Years
a) Teaching	1 Year
b) Research	
c) Industry	6 months as a Software Engineering
d) Others	
5. Area of specialization	Optical Communication, VLSI, Wireless Communication
6. Subjects teaching at undergraduate level	Mobile Computing, Mobile Communication, Introduction To Computers
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	

8. Projects Carried out

Robotic Line Tracers  
Project on Signaling with DMRC  
Robotic Wheel Chair

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details

**Details of Faculty**

1. Name	Vinod Khera
2. Date of birth	01.12.1977
3. Educational Qualification	Ph. D ECE (Pursuing), M.Tech , PGDBA (M), B.E (ECE)
4. Work Experience	8 Years
a) Teaching	6 Years
b) Research	
c) Industry	2 Years
d) Others	
5. Area of specialization	FPGA/ASIC Development, Image Processing
6. Subjects teaching at undergraduate level	Embedded Systems, DCS-II, and Microprocessors
Postgraduate level	
7. Research Guidance	

No. of papers published in	4
Masters	
Ph. D	2
8. Projects Carried out	12C Implementation, Tracking
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

# MECHANICAL

### **Details of Faculty**

1. Name	Surinder Singh Batra
2. Date of birth	27/11/1945
3. Educational Qualification	B. Sc Production Engineering (Hons.)
4. Work Experience	31 Years
a) Teaching	5 Years & 8 months
b) Research	
c) Industry	26 Years
d) Others	
5. Area of specialization	Materials Management, Marketing in industry, Training & Placement of students at the institute
6. Subjects teaching at undergraduate level	Manufacturing Processes, Engineering Mechanics
Postgraduate level	

7. Research Guidance
  - No. of papers published in
    - Masters
    - Ph. d
8. Projects Carried out
9. Patents
10. Technology Transfer
11. Research Publications
12. No. of books Published with details

**Details of Faculty**

1. Name	Gurveen singh
2. Date of birth	23/03/1983
3. Educational Qualification	B.E. (Mechanical)
4. Work Experience	1.6 Years
a) Teaching	1.6 Years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	CAD/CAM (Auto Cad, Catia Ansys & Pro-e)
6. Subjects teaching at undergraduate level	Manufacturing Process, Autocad & Engineering Mechanics, Engineering Drawing, Mechanical workshop

- Postgraduate level
7. Research Guidance
- No. of papers published in
- Masters
- Ph. d
8. Projects Carried out
- Micro
- Pneumatic Clamp vice,  
Switch Based Robotic Arm
9. Patents
10. Technology Transfer
11. Research Publications
12. No. of books Published with details

#### Details of Faculty

- |   |   |
|---|---|
| 1. Name                                     | Jagtar Singh  |
| 2. Date of birth                            | 05/02/1978  |
| 3. Educational Qualification                | B. Tech & M. Tech (pursuing)  |
| 4. Work Experience                          | 7 Years(Approx)   |
| a) Teaching                                 | 2 Years   |
| b) Research                                 |   |
| c) Industry                                 | 1 Year  |
| d) Others                                   | 4 Years   |
| 5. Area of specialization                   | Mechanical (Production),<br>CAD/CAM, Robotics                                     |
| 6. Subjects teaching at undergraduate level | Engineering Mechanics,<br>Engineering Drawing,<br>Manufacturing Process, Auto CAD |

- Postgraduate level
7. Research Guidance
- No. of papers published in
- Masters
- Ph. d
8. Projects Carried out
1. Fabrication of Abrasive Jet Machine & study of its process parameters  
2. Fabrication of Taper Turning Attachment
9. Patents
10. Technology Transfer
11. Research Publications
12. No. of books Published with details

**Details of Faculty**

- |                              |                       |
|------------------------------|-----------------------|
| 1. Name                      | Sunmeet Singh         |
| 2. Date of birth             | 08/08/1978            |
| 3. Educational Qualification | B. Tech (Mechanical)  |
| 4. Work Experience           | 6.7 Years             |
| a) Teaching                  | 1.1 Years             |
| b) Research                  |                       |
| c) Industry                  | 6 Month               |
| d) Others                    | 5 Years               |
| 5. Area of specialization    | Production & Graphics |

6. Subjects teaching at undergraduate level

Engineering Graphics, Engineering  
Mechanics, Mechanical Workshop

Postgraduate level

7. Research Guidance

No. of papers published in

Masters

Ph. d

8. Projects carried out

1. Taper Turning Attachment
2. Fabrication of Abrasive Jet Machine

9. Patents

10. Technology Transfer

65. Research Publications

66. No. of books Published with details

# APPLIED SCIENCE

## Details of Faculty

1. Name	Dr. Rinku Sharma
2. Date of birth	25/01/1973
3. Educational Qualification	Ph D (Laser Physics)
4. Work Experience	9 Years

a) Teaching	
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Atomic & Molecular & Laser Physics
6. Subjects teaching at undergraduate level	Applied Physics to 1 <sup>st</sup> Year B Tech students
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. D	9
8. Projects Carried out	
9. Patents	
10. Technology Transfer	
11. Research Publications	9
12. No. of books Published with details	

#### **Details of Faculty**

1. Name	Dr. Ajay Kumar
2. Date of birth	02.09.1959
3. Educational Qualification	M. Sc Chemistry, Ph D Chemistry (D.U),

	PGD-IPR, PGD-Chemo Informatics (Result Awaited), DL 101 GC-IP (WIPO)
4. Work Experience	23 Years
a) Teaching	11.5 Years
b) Research	11.5 Years
c) Industry	
d) Others	
5. Area of specialization	Bio-Polymers & Nucleic Acids Chemistry, IPR, Chemo Informatics
6. Subjects teaching at undergraduate level	Engineering Chemistry & Environmental Studies
Postgraduate level	
7. Research Guidance	Guided 5 M Sc. Biotech Student of JNU New Delhi, One Post Doctral- Fellow
No. of papers published in	
Masters	
Ph. D	5
8. Projects Carried out	
9. Patents	
10. Technology Transfer	
11. Research Publications	22
12. No. of books Published with details	

#### **Details of Faculty**

1. Name	Dr. Chandar Mohan Singal
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2. Date of birth	01/04/1945
3. Educational Qualification	M. Sc, Ph D
4. Work Experience	41 Years
a) Teaching	16 Years
b) Research	35 Years
c) Industry	15 Years
d) Others	
5. Area of specialization	Solid State Physics, Semiconductor Process Technology, Solar Photovoltaics, Silicon Solar Cells
6. Subjects teaching at undergraduate level	Engineering Physics (Theory & Experiments)
Postgraduate level	Semiconductor Devices, Solid State Physics, Electromagnetic Theory, Mathematical Physics, Statistical Mechanics
7. Research Guidance	4 Ph D students
No. of papers published in:	
Masters	1
Ph. D	8
8. Projects Carried out	2
9. Patents	
10. Technology Transfer	In house Industrial level Technology Development at CEL for Silicon Solar Cells and at IMFA for Charge-Chrome.
11. Research Publications	35 publications in various International Journals namely: Physical Review, Physical Letters, Journal Solar Cells,
Review of Applied Physics, International Journal of Electronics, etc.	
12. No. of books Published with details	

### Details of Faculty

1. Name	Daljeet Kaur
2. Date of birth	11/06/1976
3. Educational Qualification	M Sc, B Ed
4. Work Experience	3 Years
a) Teaching	3 Years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Quantum Mechanics & Nuclear Physics
6. Subjects teaching at undergraduate level	Physics
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	SCR (Silicon Controlled Rectifier)
9. Patents	
10. Technology Transfer	
11. Research Publications	
13. No. of books Published with details	

### Details of Faculty

1. Name	Harpreet Kaur
2. Date of birth	10/12/1972
3. Educational Qualification	M Phil
4. Work Experience	1.7 Years
a) Teaching	1.7 Years
b) Research	
c) Industry	
d) Others	
5. Area of specialization	Mathematics
6. Subjects teaching at undergraduate level	Mathematics
Postgraduate level	
7. Research Guidance	
No. of papers published in	
Masters	
Ph. d	
8. Projects Carried out	
9. Patents	
10. Technology Transfer	
11. Research Publications	
12. No. of books Published with details	

### Details of Faculty

1. Name	Dr. M.G. Chopra
2. Date of birth	01/09/1940
3. Educational Qualification	Ph. D
4. Work Experience	50 Years
a) Teaching	12 Years
b) Research	38 Years
c) Industry	
d) Others	
5. Area of specialization	Applied Mathematics, Computational fluid dynamics & heat transfer , optimization
6. Subjects teaching at undergraduate level	Applied Mathematics 1, 2, 3
Postgraduate level	
7. Research Guidance	4
No. of papers published in	
Masters	
Ph. D	4, examined 10 Ph. D Thesis
8. Projects Carried out	6
9. Patents	
10. Technology Transfer	
11. Research Publications	50 in international & national journals
12. No. of books Published with details	1. Fortran IV Programming (Dr.

M.G. Chopra & Dr. Ram Kumar,  
 1980 Vikas Publishers, Delhi)  
 2. Fortran IV programming Last  
 edition ( Dr. M.G. Chopra & Dr.  
 Ram Kumar, 1994 Vikas  
 Publishers, Delhi

**Details of Faculty**

1. Name	Dr. Meetu walia	
2. Date of birth	07/05/1976	
3. Educational Qualification	Ph D	
4. Work Experience	9 Years	
a) Teaching	9 Years	
b) Research		
c) Industry		
d) Others		
5. Area of specialization	Physical Chemistry	
6. Subjects teaching at undergraduate level	Applied Chemistry/ Environmental Studies	
Postgraduate level		
7. Research Guidance		
No. of papers published in	International	1
	Conference (Paper Presented)	
	International	2
	National	1
Masters		
Ph. d		
8. Projects Carried out		
9. Patents		
10. Technology Transfer		

11. Research Publications

12. No. of books Published with details

**Details of Faculty**

1. Name	Parsan Kaur	
2. Date of birth	23/02/1976	
3. Educational Qualification	Ph D (Thesis Submitted)	
4. Work Experience	10 Years	
a) Teaching	10 Years	
b) Research		
c) Industry		
d) Others		
5. Area of specialization	Applied Mathematics	
6. Subjects teaching at undergraduate level	Applied Mathematics	
Postgraduate level		
7. Research Guidance		
No. of papers published in	International Journal	2
Masters	Conference	3
Ph. d		
8. Projects Carried out		
9. Patents		
10. Technology Transfer		

11. Research Publications

12. No. of books Published with details

### **Details of Faculty**

- |   |   |
|---|---|
| 1. Name                                     | Pritpal Kaur Sandhu   |
| 2. Date of Birth                            | 04.03.1986  |
| 3. Educational Qualification                | B.Sc (Hons) Physics,<br>M.Sc (Physics)  |
| 4. Work Experience                          |   |
| a) Teaching                                 |   |
| b) Research                                 |   |
| c) Industry                                 |   |
| d) Others                                   |   |
| 5. Area of Specialization                   | Astrophysics & Cosmology  |
| 6. Subjects teaching at Undergraduate level | Applied Physics   |
| Postgraduate level                          |   |
| 7. Research Guidance                        |   |
| No. of papers published in Masters          |   |
| Ph. D                                       |   |
| 8. Projects carried out                     | 1. Gravitational Collapse in an Expanding Universe<br>2. Morphological Studies of |

9. Patents
10. Technology Transfer
11. Research Publications
12. No. of books Published with details

**Details of Faculty**

1. Name	Prof. Satya Prakash
2. Date of birth	06.02.1940
3. Educational Qualification	Ph D
4. Work Experience	
a) Teaching	38 Years
b) Research	25 Years
c) Industry	
d) Others	
5. Area of specialization	Inorganic Chemistry
6. Subjects teaching at undergraduate level	Chemistry
Postgraduate level	Chemistry
7. Research Guidance	
No. of papers published in	
Masters	
Ph. D	10
8. Projects Carried out	

- 9. Patents
- 10. Technology Transfer
- 11. Research Publications 20
- 12. No. of books Published with details

**Details of Faculty**

- |   |  |
|---|--|
| 1. .Name                                    | Seema Singh  |
| 2. Date of birth                            | 24/01/1978   |
| 3. Educational Qualification                | B Sc, MA(Eng), NET, M Phil, Registered for Ph D      |
| 4. Work Experience                          | 5.4 Years  |
| a) Teaching                                 | 5.4 Years  |
| b) Research                                 |  |
| c) Industry                                 |  |
| d) Others                                   |  |
| 5. Area of specialization                   | Indian writings in English (Prose, Poetry & fiction) |
| 6. Subjects teaching at undergraduate level | Communication skills                                 |
| Postgraduate level                          |  |
| 7. Research Guidance                        |  |
| No. of papers published in                  |  |
| Masters                                     |  |

Ph. d

8. Projects Carried out

9. Patents

10. Technology Transfer

11. Research Publications

12. No. of books Published with details