

## Details of thesis supervised:

## (a) Ph.D. Thesis supervised/Ongoing:

S. No.	Name of Student	Reg. Year /Status	Thesis Title	Other supervisor(s) (if any),/Name,Deptt.	Awarded/ Ongoing
1	Brijesh Ku. Gupta Enroll. No:099558	Jan. 1999 <b>FULL- TIME</b>	Congestion Control In Asynchronous Transfer Mode Networks	Dr. Mohan Lal, ICC, IIT-Roorkee	<b>AWARDED Jan. 2003</b>
2	Shamimul Qamar Enroll. No:032501	Jan. 2003 <b>FULL- TIME</b>	Capacity and Quality of Service for CDMA Communication Network With Diversity and Handoff	Dr. Mohan Lal, ICC, IIT-Roorkee	<b>AWARDED March, 2007</b>
3	Amit Dixit Enroll. No:9534975	April 2003 <b>PART- TIME</b>	Wireless Multimedia Communication with Quality of Service (QoS) Guarantee	Dr. R.P. Vats, MSC, SRE	<b>AWARDED Aug, 2008</b>
4	A.K. Jain Enroll. No:150303	May 2003 <b>PART- TIME</b>	Performance Trade Off In Quality of Service of High Speed Networks	Dr. R. Jha NIT, Jalandhar	<b>AWARDED March, 2009</b>
5	Kumar Manoj Enroll. No:078610	July 2007 <b>FULL- TIME</b>	Evaluation of QoS Parameters and Performance of Wireless Ad-Hoc Network	Dr. S.P. Singh, DPT, IIT-Roorkee	<b>AWARDED Oct. 2010</b>
6	Sandip Vijay Enroll. No:078613	July 2007 <b>FULL- TIME</b>	Development and Analysis of Energy Efficient Infrastructure-Less Wireless Networks	<b>SINGLE</b>	<b>AWARDED Nov. 2011</b>
7	Leena Arya Enroll. No:078952	Jan. 2008 <b>FULL- TIME</b>	Measurement and Location Prediction in An Indore WLAN Using Optimization and Simulation	Dr. Milli Pant, DPT, IIT-Roorkee	<b>AWARDED June,2012</b>
8	Vishal Gupta Enroll. No:078953	Jan. 2008 <b>FULL- TIME</b>	Performance Analysis and Effect of Terrain Attenuation on Outdoor Propagation Models	Dr. M.C. Bansal, DPT, IIT-Roorkee	<b>AWARDED July,2012</b>
9	Santosh Kumar Enroll. No:08926008	Aug. 2008 <b>FULL- TIME</b>	Mobility Models Classifications Based on Metrics And Its Impact on Routing Protocols In MANET	<b>SINGLE</b> -	<b>AWARDED, 2013</b>
10	Bhupendra Suman Enroll. No:08926011	Jan. 2009 <b>PART- TIME</b> (Sponsored-DRDO)	MAC Scheduling Schemes for Tactical Wireless Networks	Dr. Milli Pant, DPT, IIT-Roorkee	<b>AWARDED 2013</b>
11	Permanand Enroll. No:09926004	July 2009 <b>FULL- TIME</b>	Performance Analysis of Broadcast Based MANET Routing Protocols	<b>SINGLE</b>	<b>AWARDED 2013</b>
12	Deshpande Prachi Subhash Enroll. <b>11926012</b>	Dec.,2011 <b>FULL- TIME</b>	Defense Against Collaborative attack in WiMAX Environment	<b>Dr. Sateesh Kumar CSE,IITR</b>	Ongoing
13	Rajeev Arya	Dec. 2012 <b>FULL- TIME</b>	Performance Analysis of sensor network using fuzzy logic	<b>SINGLE</b>	Ongoing
14	Kavita	Dec.2012 ((Sponsored)	Performance Analysis of sensor network using soft computing	<b>SINGLE</b>	Ongoing
15	Akthar Hussain	July 2013 (QIP) <b>FULL- TIME</b>	Performance Analysis of Vechlar Network using Optimization tech.	<b>SINGLE</b>	Ongoing
16	Santar Pal	July 2013 <b>FULL- TIME</b>	Design and analysis of Sensor network protocols Optimization tech.	<b>SINGLE</b>	Ongoing

**(b) M.Tech. Thesis supervised:**

S. No.	Name of Candidate	Title of thesis	Institute Name	Co-supervisor's (	Year of Award
1	Mr. Rajesh Agarwal	Microprocessor Based Automatic Sum Tracer	REC Kurukshetra	Dr. M.L. Matta,	1998
2	Mr. Vipin Kapor	Data Acquisition and Control using stand alone PC	REC Kurukshetra	Dr. S.B.Mal	1999
3	Mr. Rakesh Kumar	Design of Flow Control Loop for Bleach Plant using Freelance-2000 Controller	Institute of Instrumentation, Indore	Dr. A.L.Sharma Dr. (Mrs.) Chhays Sharma	2000
4	Janak Raj Chaubey	Design and Fabrication of Multivariable Digital Logic Indicator	Institute of Paper Technology, (UOR), Saharanpur	SINGLE	2001
5	Vineet Kumar	Simulation of Pulp Mill Digester using Distributed Control system	Regional Engineering College (REC), Kurukshetra.	Dr. B. K. Kaushik,	2001
6	Sukhpal Singh	Design and Simulation of Temperature Control Loop using F-2K DCS	Institute of Paper Technology, (UOR), Saharanpur	SINGLE	2001
7	Rajesh Kumar	Design of Level Control Loop for Bleach Plant using F-2K Controller	Regional Engineering College (REC), Kurukshetra	Dr. S.B. Mal Dr. (Mrs.) Chhaya Sharma	2001
8	Vipin Kumar	Modeling of Temperature Control Loop and its analysis with PID Controller (Recovery section of Pulp and Paper Process)	Netaji Subhash Institute of Technology, New Delhi	Dr. V. K. Bansal Dr. Chhaya Sharma	2003
9	Mr. Dharan Dhvaj Singh	Detection and analysis of unknown security attacks using honeynet technology.	Birla Institute of Technology, Ranchi.	Aruna Jain,	2004
10	Mr. Mayank Jain.	Development of Control Logic For Thermo compressor Based Steam & Condensate System	Birla National Institute of Technology ,Kurushetra	Dr.B.K.Kaushik Dr. Chhaya Sharma	2007

**(c) Twenty Projects Supervised to University Diploma Students (M. Sc.):**  
(Development/Design/Simulation)

1. 1985 : Digital Temperature Indicator.
2. 1986 : Electronics level Indicator.
3. 1987 : Microprocessor based Level Indicator.
4. 1988 : Analog Speed Indicator.
5. 1989 : Pulse Counter.
6. 1990 : Multivariable Logic Controller.
7. 1991 : Analog Comparator.
8. 1992 : Digital Comparator.
9. 1993 : BCD to Seven Segment Decoder.
10. 1994 : EPROM Based Temperature Controller.
11. 1995 : Voltage to Frequency Converter.
12. 1996 : Analog and Digital Comparators.
13. 1997 : Digital Logic for level Indicator.
  - a. : ON-Line Composition Analyzer.
  - b. : PC Based ON-OFF Temperature Indicator.
14. 1998 : PID Control System for noninteracting systems.
  - a. : PI Control System for non-interacting systems.
  - b. : On-Off temperature control using SCR.
15. 1999 : Signal Condition Unit for Resistive Transducer.
  - a. : Signal Condition Unit for Inductive Transducer.
16. 2000 : Design and Fabrication of Decoder.
17. 2000 : Design and Fabrication of Oscillator.
18. 2001 : Design of Temp. control loop on F-2K controller.
19. 2002 : Design of Multivariable Digital Logic on DCS.
20. 2003-2005: Project Guided to students of BITS-Pilani, Dubai Campus (EOL)