

CURRICULAM VITAE

Vijay Pal Singh
Assistant Professor,
Deptt. Of ECE,

**Guru Jambheshwar University of
Science & Technology, Hisar**
Email: vijaypalece@rediffmail.com
Phone: 9254166118, 9254276118

OBJECTIVE:

To take my organization and myself to greater heights through my commitment, sincerity, adaptability and versatility.

PERSONAL DETAILS:

Date of Birth: 01-06-1978

Gender: Male

Father's Name: Dr. Ishwar Singh

Mother's name: Smt. Santosh

Details of Spouse and dependents:

<i>Name</i>	<i>D.O.B</i>	<i>Relation</i>	<i>Educational qualification</i>
Dr Manjeet	15-12-1980	Wife	B.Sc., B.Ed., M.Sc. Organic Chemistry, M.Phil.,PhD in Chemistry
Karnik	15-09-2006	Son	8th Class

Languages Known: English & Hindi

Position held at present: Assistant Professor

Additional Responsibilities (presently at university level): Hostel Warden (BH-4), Program Officer NSS, Deputy Coordinator AICTE activities

Area of Specialization: Digital Design, Fuzzy Logic, Image Processing

Present Scale: 15600-39100 with GP 6000/- & DA as per Government Norms

Personal Qualities: Self-motivated, Co-operative, Flexible, Willingness to learn.

Corresponding Address: H.No. D-20, Old Campus,
G.J.U, Hisar (125001)

Permanent Address: H.No. 118, Sunder Nagar,
Near G.J.U, Hisar (125001)

PROFESSIONAL EDUCATION

1. Pursuing **PhD Research Work** in **Electronics & Communication Engineering** from Guru Jambheshwar University of Science & Technology, Hisar, Haryana. This is a reputed government university.
2. Passed the **course work** of **PhD** with CGPA 7 in August 2010 from D.C.R University of Science & Technology, Murthal, Sonapat, Haryana.
3. **M.E. in Electronics & Communication Engineering** from M.D.U, Rohtak (2006-2008) with Grade A⁻ (equivalent to CGPA 9).
Dissertation Title: *Fuzzy Logic Design of Intravenous Infusion Control*
4. **DIM, PGDIM, ADOM** and **MBA** in **Operational Research** from **Indira Gandhi Open University** with 62.17% marks.
Project Title: *Inventory Control in Production of Stainless Steel Pipes*
5. **B.E** in **Electronics and Communication** from **C.R. State College of Engineering, Murthal** (1997-2001) with aggregate 66.3% marks completed in May, 2001.

PROFESSIONAL EMPLOYMENT

1. November 8, 2013- Present: Assistant Professor, Department of Electronics and Communication Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana.
2. July 19, 2010- November 7, 2013: Worked as Associate Professor, Assistant Professor (Selection Grade) and Head, Department of Electronics and Communication Engineering, Gateway Institute of Engineering & Technology, Sonapat, Haryana.
3. July 1, 2005 – August 30, 2006 & September 1, 2008 to July 19, 2010: Worked as Assistant Professor, Lecture in Selection Grade, Sr. Lecturer and Lecturer in Department of Electronics and Communication Engineering, BRCM College of Engineering & Technology, Bahal, Bhiwani, Haryana.
4. July, 2004 - June, 2005: Lecturer & Head, Department of Electronics and Communication Engineering, BPR College of Engineering, Gohana, Sonapat, Haryana.
5. February 14, 2002 – May 6, 2004: Lecturer, Department of Electronics and Communication Engineering, in Colleges of Hindu Education Society & Charitable Trust, Sonapat.

6. June 1, 2001- February 13, 2002: Graduate Engineer Trainee (Electronics) at Amar Alloys Private Limited, Hisar.

MEMBERSHIP OF PROFESSIONAL BODIES

Life membership of The Indian Society for Technical Education.

PROFILE OF PROFESSIONAL EXPERIENCE

A. Administrative Profile

1. Examination incharge from 2013 to 2015 and from Aug 2018 to Feb 2019 at GJUS&T, Hisar.
2. Project coordinator from 2013 to 2016 and from Apr 2019 to till date at GJUS&T, Hisar.
3. Faculty Facilitator in Start Up Cell established under TEQIP-III from 08-01-2018 to till date.
4. GATE coordinator of department for TEQIP-III from 2017 to 2018.
5. Class Incharge from 08-06-18 to till date.
6. Hostel Warden from 28-11-2017 to till date.
7. Deputy Coordinator AICTE Activities from 10-08-2017 to till date.
8. NSS Program Officer from 29-06-2017 to till date.
9. Head of Electronics & Communication Department from July, 2010 to Nov, 2013 at Gateway Institute of Engg. & Technology, Sonapat.
10. Had the responsibility of departmental budget from 2006 to 2010 at B.R.C.M College of Engg. & Technology, Bahal (Bhiwani).
11. Time Table Incharge from July, 2005 to till 2010 at B.R.C.M College of Engg. & Technology, Bahal (Bhiwani).
12. Worked as Officiating Principal many times during my job at B.P.R. College of Engg., Bali Brahmanan, Gohana from July, 2004 to June, 2005 and at Gateway Institute of Engg. & Technology, Sonapat from Sept 2012 to Nov 2013.
13. Incharge Academic Affairs from July, 2004 to June, 2005 at B.P.R. College of Engg., Bali Brahmanan, Gohana.
14. Head of Electronics & Communication Department from July, 2004 to Jun, 2005 at B.P.R. College of Engg., Bali Brahmanan, Gohana.

B. Academic Profile

1. Courses taught are Digital Electronics, Digital System Design, Analog Electronics, Analog Electronic Circuits, Electrical Technology, Wireless Communication and Power Electronics.
2. Developed all laboratories for Electronics and Communication Engineering department in GIET Sonapat and BPR College of Engineering, Gohana.
3. Experience of teaching to M.Tech. classes at GJU S&T Hisa, BRCM College of Engg. & Tech. Bahal and in GIET Sonapat.
4. Supervised M.Tech. students from GJUS&T Hisar, DCRUST Murthal and MDU Rohtak.
5. Teaching to utmost satisfaction of students by reducing gap between teacher and students & improving the confidence level of students.

C. Special Experience

1. Designed course syllabi for many UG and PG courses while working in GJUS&T, Hisar.
2. Worked as Organizing Secretary for District Youth Parliament (January 2018) held at GJUS&T, Hisar under National Youth Parliament Festival 2019.
3. Participated in One Week National Integration Camp of NSS from Oct. 02 to Oct. 08, 2017 organized by Ministry of Youth Welfare, India at GJUS&T, Hisar.
4. Participated in Dale Carnegie Training for High Impact Teaching Skills (HITS) conducted by Wipro under Mission10X program from Nov. 16 to Nov. 17, 2009. The purpose of HITS is to develop some innovative and interactive ideas for teaching.
5. Participated in Intensive Teaching Workshop (ITW) conducted at Birla Institute of Technology and Science, Pilani, Rajasthan from July18 to July 23, 2009. The purpose of ITW was to improve the teaching skills of faculty members and make them learn new teaching techniques and methodology of good teaching.
6. Started the career counseling classes by giving the training to the students for **SSB interviews** at BRCM College of Engg. & Tech. Bahal. Later on many faculty members were involved in these classes for giving the training for various fields e.g. Public sector, MBA, GATE, private sector etc.

7. Specialized knowledge of distance healing therapy for navel displacement and treated more than 2000 patients till now across the world as social service.
8. Member of editorial board of some journals and conferences.
9. Completed successfully the Landmark Forum in January, 2009.
10. Implemented many innovative ideas to improve and explore the technical skills of the students while working as Head of ECE Department at Gateway Institute of Engg. & Technology, Sonapat.
11. Experience of reviewing many research papers for national conferences.
12. Member of spot evaluation team of M.D.U. for evaluation of the answer sheets in June-July 2002 at C.R State College of Engineering Murthal and thereafter many times.
13. Member of Flying Squad of M.D.U in December 2005, December 2008 and January 2010.

D. Awards, Honors & Special Achievements

1. Coverage of projects made under my supervision in newspapers and news channels while working in GJUS&T Hisar.
2. Special appreciation letters and cash award by the college management on teacher's day in four consecutive years 2006, 2007, 2008 and 2009 for giving **SSB coaching** to the college students and helping them to get selected in **Defense Services**.
3. Cash award by the college management on 5th September in 2008 and 2009 for publishing three research papers in international journals.
4. Special appreciation letter by the college management of BRCM College of Engineering & Technology, Bahal in recognition of my excellent performance in teaching and cent percent success obtained by the group of students taught by me.
5. Passed the written test held by **Bhabha Atomic Research Centre** and appeared in interview in June, 2001.

E. Extra-curricular and Co- Curricular Activities

1. Organized two-day State Level Technical Fest "Orbitek 2016" under the banner of technical society of department RISE on 8 and 9-4-2016 in GJU S&T Hisar.

2. Organized two-day University Level Technical Fest "Tech Aagaz" under technical society of department RISE on 17 and 18-4-2015 in GJU S&T Hisar.
3. Founder of departmental professional society RISE (Receptive Innovative Society of Electronics) that came in existence in September 2014 and formally inaugurated on 15-9-2014, the Engineer's Day.
4. Organized two-day national level technical fest "Techno Parv" (18,19 Oct. 2013) in Gateway Institute of Engineering & Technology, Sonapat.
5. Organized many adventure tours and educational tours for the students and also organized recreational tours for faculty members.
6. Founder and Incharge of photographic club at BRCM College of Engg. & Technology, Bahal, Bhiwani.
7. Organized Two Days Workshop on "Career of Engineers in Defense Services" as Chief Coordinator and Resource Person in February, 2012.
8. Organized Two Days Workshop on "P-SPIICE OrCAD and PCB Fabrication" as Chief Coordinator and Resource Person in February, 2011.
9. Organized One Day Workshop on Art of Learning as Infrastructure Coordinator on September 12, 2009.
10. Organized two times, National level Techno Fest at BRCM College of Engineering & Technology, Bahal, Bhiwani.
11. Organized one-day seminar on Restructuring of Technical Education to Meet the Global Challenges at BRCM College of Engg. & Technology, Bahal, Bhiwani.
12. Member of organizing committees of ECE department and EEE department for organizing two national level conferences at B.R.C.M College of Engg. & Technology, Bahal (Bhiwani).
13. Worked for NSS (National Service Scheme). Creating Knowledge of literacy, nutrition, health awareness etc. in rural areas. Help during any natural calamities, emergency. Organizing Blood Donation Camp etc.
14. Knowledge of Yoga exercises and Pranayama.

TRAINING, SHORT TERM COURSES & WORKSHOP ATTENDED

1. Attended TEQIP sponsored Five - Day Short Course (19-23 February 2019) on Fundamentals and Characterization of Solar Cells organized by IIT Kanpur.

2. Attended one-week village camp (24th January- 30th January 2019) organized by NSS, GJUS&T, Hisar in village Shahpur.
3. Attended one-day workshop (22nd Jan 2019) on Design of Course Curriculum as per OBE System organized by Faculty of Engineering & Technology, GJUS&T, Hisar.
4. Attended DAE (Department of Atomic Energy, India) sponsored one-week 63rd DAE Solid State Physics Symposium (18th-22nd Dec 2018) organized by BARC Mumbai at GJUS&T, Hisar.
5. Attended AICTE sponsored one-day workshop (25th May 2019) on Exam Reforms, organized by DCRUST, Murthal.
6. Attended DST sponsored one-day national workshop (11th May 2018) on Advances in Tribology, organized by Faculty of Engineering & Technology, GJUS&T, Hisar.
7. Attended one-week village camp (20th January- 27th January 2018) organized by NSS, GJUS&T, Hisar in village Juglan.
8. Attended one week GIAN course on Authentication Obsfuscation of Integrated Circuits (28th August- 1st September 2017) organized by Department of Electronics & Communication Engineering, GJUS&T, Hisar.
9. Attended one-day workshop (08th Aug 2017) on Approval Process, organized by AICTE at AICTE Office, New Delhi.
10. Attended UGC sponsored three-week refresher course (18-05-17 to 07-06-17) organized by HRDC, GJU S&T Hisar.
11. Attended 3rd Neuroscience Update 2017 (16th July, 2017), organized by Faculty of Medical Sciences, GJUS&T, Hisar.
12. Attended DST sponsored one-day national workshop (11th May 2017) on Rheology, organized by Faculty of Engineering & Technology, GJUS&T, Hisar.
13. Attended TEQIP sponsored workshop (24-26 February 2017) on Advanced Signal Processing Methods organized by Department of Electronics & Communication Engineering, GJUS&T, Hisar.
14. Attended TEQIP sponsored one-week faculty development program (7-12 September 2016) on Recent Advancements in Broadband Communication Technologies and Networks organized by Department of Electronics & Communication Engineering, GJUS&T, Hisar.

15. Attended UGC sponsored four-week orientation program (12-05-16 to 08-06-16) organized by HRDC, GJU S&T Hisar.
16. Attended DST sponsored one-day national workshop (11th May 2016) on MATLAB and The Internet of Things, organized by Faculty of Engineering & Technology, GJUS&T, Hisar.
17. Attended TEQIP sponsored one-week short term course (21-25 July 2014) on Recent Research Trends and Challenges in Image Processing Using MATLAB, organized by Department of Electronics & Communication Engineering, DCRUST Murthal, Sonipat.
18. Attended TEQIP sponsored one-week workshop (2-6 Sept. 2013) on Computational Intelligence & Signal Processing, organized by Department of Electrical Engineering, DCRUST Murthal, Sonipat.
19. Attended UGC sponsored one-week short term course (22-26 Feb. 2010) on Basic and Applications of MATLAB, organized by Department of Electronics & Communication Engineering, DCRUST Murthal, Sonipat.
20. Attended TEQIP sponsored one-week short term training (12-16 Jan. 2009) on Emerging Trends in Electronics and Communication Industries, organized by Department of Electronics & Communication Engineering, DCRUST Murthal, Sonipat.
21. Attended one-week short term course (15-20 May 2006) on System Designing Using OrCAD PSPICE, organized by Department of Electronics & Communication Engineering, B.R.C.M College of Engg. & Technology, Bahal, Bhiwani.
22. Attended AICTE sponsored HRD Program (3-6 April 2006) at B.R.C.M College of Engg. & Technology, Bahal, Bhiwani.
23. Attended one short term program (13-17 March 2006) on Embedded System, organized by N.I.T.T.T.R., Chandigarh.

COMPUTER LITERACY:

Discipline Related Software: Xilinx, VHDL Model Sim, OrCad, MATLAB

Office Software: Microsoft PowerPoint, Microsoft Word, Microsoft Excel

Programming Language: C, FORTRAN

Operating Systems: DOS, Windows XP, Window Vista

PUBLICATIONS

Refereed International Journal Publications

- i. "Fuzzy Logic Based Model for Stabilization of Loudness in Audio System", Sunil Kumar, Vijay Pal Singh, Published in *International Journal of Research in Electronics and Computer Engineering*. Vol. 7 (1), pp. 5-7 **(Jan 2019)**. **ISSN: 2348-2281**
- ii. "JPEG Image Compression Applying 2D Discrete Cosine Transform", Sumit Poonia, Vijay Pal Singh, Published in *International Journal of Research in Electronics and Computer Engineering*. Vol. 6 (3), pp. 1267-1271 **(Jul 2018)**. **ISSN: 2348-2281**
- iii. "Maximum Power Point Tracking PV System Based on Fuzzy Logic Controller", Ashish Kumar, Manisha Jangra, Vijay Pal Singh, Published in *International Journal of Research in Electronics and Computer Engineering*. Vol. 6 (3), pp. 1272-1276 **(Jul 2018)**. **ISSN: 2348-2281**
- iv. "Fuzzy Logic Based Model for Energy Consumption in Cognitive Radio", Sangeeta, Vijay Pal Singh, Published in *International Journal of Research in Electronics and Computer Engineering*. Vol. 6 (3), pp. 608-610 **(Jul 2018)**. **ISSN: 2348-2281**.
- v. "Fuzzy Logic Based Model for Quality of Service in Cognitive Radio", Sangeeta, Vijay Pal Singh & Munish Verma, Published in *International Journal of Current Engineering & Scientific Research*. Vol. 4 (10), pp. 16-21 **(Oct 2017)**. **ISSN: 2394-0697**.
- vi. "Critical Review of Cognitive Radio & Spectrum Sensing Techniques", Sangeeta, Vijay Pal Singh & Munish Verma, Published in *International Journal of electronics Engineering*. Vol. 9 (1), pp. 121-124 **(Jun 2017)**. **ISSN: 0973-7383**.
- vii. "Design and Development of Embedded System for DC Motor Speed Characterization using Fourier Transform", Sonia Rani, Sunny Jamb & Vijay Pal Singh, Published in *Innovation the Research Concept – Multi Disciplinary International Journal*. Vol. 2 (4), pp. 52-57 **(May 2017)**. **ISSN: 2456-5474**.
- viii. "Enhancement of Fibre Length and Subscribers in FTTHBPON Network using Optical Amplifier", Mukesh & Vijay Pal Singh, Published in *International Journal for Scientific Research & Development*. Vol. 3 (5), pp. 210-213 **(Jul 2015)**. **ISSN: 2321-0613**.
- ix. "Fuzzy Logic Based Battery Charger", Manoj, Niranjana Kumar & Vijay Pal Singh, Published in *International Journal of Electronics Engineering*. Vol. 5 (2), pp. 97-100 **(Dec 2013)**. **ISSN: 0973-7383**.

- x.** "Fuzzy Logic Based Battery Charger for Inverter", Manoj, Niranjana Kumar & Vijay Pal Singh, Published in *International Journal of Engineering Research & Technology*. Vol. 2, Issue 7, pp. 2205-2211 **(Jul 2013)**. **ISSN: 2278-0181**.
- xi.** "Hand Off Decision using Fuzzy Logic", Priyanka Jain & Vijay Pal Singh, published in *International Journal of Electronics Engineering*. **(Dec 2012)**.
- xii.** "Mobile Number Portability Decision using Fuzzy Logic", Ajay Malik, Sunita Malik & Vijay Pal Singh, Published in *International Journal of Electronics Engineering*, Vol. 3 (1), pp. 89-93 **(Jun 2011)**.
- xiii.** "Fuzzy Logic for Design of Air Quality Analyzer", Manjeet & Vijay Pal Singh, Published in *International Journal of Electronics Engineering*, Vol. 1, No. 1, pp. 45-48 **(Jun 2009)**.
- xiv.** "Fuzzy Logic Design of Continuous Intravenous Infusion Control", Vijay Pal Singh & M.K. Yadav, Published in *International Journal of Information Technology and Knowledge Management*, Vol 1, No. 1, pp 121-129 **(2008)**.
- xv.** "Smart Gun using VLSI & MEMs", M.K. Yadav & Vijay Pal Singh, Published in *International Journal of Information Technology and Knowledge Management*, Vol 1, No. 1, pp 109-119 **(2008)**.

International Conference Publications

- i.** "Fuzzy Logic Design for GSM Hand Off", Priyanka Jain, Arun Kumar & Vijay Pal Singh, published in Proceedings of *International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis*, organized by Department of Mathematics MDU Rohtak & Indian Society for History of Mathematics **(Nov. 2012)**.
- ii.** "Parameters Effecting Mobile Number Portability and Fuzzy Logic Based MNP Decision", Ajay Malik, Sunita Malik & Vijay Pal Singh, Published in Proceedings of *International Conference on Advance Computing, Communication and Networks'11* **(Jun. 2011)**.
- iii.** "Continuous Intravenous Infusion Control in Cattle", Vijay Pal Singh & M.K. Yadav, published in the Proceedings of *International Conference on Intelligent Systems & Networks*, organized by Institute of Science &

Technology Klawad, Jagadhari & Computational Intelligence Laboratory (CI-Lab), pp. 398-399 (**Feb. 2009**).

National Conference Publications

- i.** "Image Fusion and Its Performance Measures", Vijay Pal Singh, Dr. Priyanka & Dr. J S Saini, published in Proceedings of *National Conference on Contemporary Techniques & Technologies in Electronics Engineering* organized by DCRUST Murthal, Haryana and IEEE, pp. 173-177 (**Mar. 2013**).
- ii.** "Design of Low Power High Speed CMOS comparator for ADCs", Sandeep Antil, Ajay Malik, Sunita Malik & Vijay Pal Singh, published in Proceedings of *National Conference on Contemporary Techniques & Technologies in Electronics Engineering* organized by DCRUST Murthal, Haryana and IEEE, pp. 395-398 (**Mar. 2013**).
- iii.** "Technical Review of High Resolution Imaging", Vijay Pal Singh, Dr. Priyanka & Dr. J S Saini, published in Proceedings of *National Conference on Recent Trends in Electronics & Electrical Engineering* held at Haryana College of Technology & Management Kaithal, Haryana, pp. 19 (**May 2010**).
- iv.** "Strong User Authentication in Cloud Computing using Biometrics: Issues & Challenges", Deepika Yadav & Vijay Pal Singh, published in Proceedings of *National conference on Industrial Electronics, Drives & Embedded Systems* held at B.R.C.M College of Engg. & Technology, Bahal, Bhiwani, pp. 341-347 (**Mar. 2009**).
- v.** "Air Quality Analyzer using Fuzzy Logic", Manjeet & Vijay Pal Singh, Published in Proceedings of *National conference on Technological Innovations* held at B.R.C.M College of Engg. & Technology, Bahal, Bhiwani, pp. 368-372 (**Oct. 2008**).
- vi.** "Artificial Neural Networks: A Different Approach to Problem Solving", Vijay Pal Singh & M.K Yadav, published in Proceedings of *National conference on Technological Innovations* held at B.R.C.M College of Engg. & Technology, Bahal, Bhiwani, pp. 56-61 (**Oct. 2008**).
- vii.** "Review of Iris Recognition Challenges", M.K Yadav, Deepika Yadav & Vijay Pal Singh, published in Proceedings of *National conference on*

Technological Innovations held at B.R.C.M College of Engg. & Technology, Bahal, Bhiwani, pp. 242-246 **(Oct. 2008)**.

viii. "Braking of Train using Fuzzy Controller", Rita Saini, Vijay Pal Singh & Manoj Sharma, published in Proceedings of *National conference on Emerging Trends in Computer Science & Information Technology* held at Al-Falah School of Engineering & Technology, Dhauj, Faridabad, pp. 54-58 **(Apr. 2008)**.

ix. "Student's Performance Analysis using Fuzzy Logic", Ashok Kumar, Manoj Sharma & Vijay Pal Singh, published in Proceedings of *National conference on Emerging Trends in Computer Science & Information Technology* held at Al-Falah School of Engineering & Technology, Dhauj, Faridabad, pp. 168-170 **(Apr. 2008)**.

x. "Intravenous Infusion Control in Cattles", Vijay Pal Singh, published in Proceedings of *National conference on Advancement of Technologies* held at GLA Institute of Technology & Management, Mathura, pp. 25 **(Feb. 2008)**.

xi. "Camera Flash Power Control using Fuzzy Logic", Vijay Pal Singh & Manoj Sharma, published in Proceedings of *National conference on Advances in Communication, Computers, Control & Knowledge Management* organized by PDM College of Engineering in Collaboration with IEEE, pp. 64 **(Feb. 2008)**.

xii. "High Speed Data Services in CDMA System", Manoj Sharma & Vijay Pal Singh, published in Proceedings of *National conference on Futuristic Trends in Engineering & Technology* held at Jan Nayak Ch. Devilal Memorial College of Engineering, Sirsa, pp. 322-324 **(Jan. 2008)**.

xiii. "Wi-Max, A Step Towards 4G", Vijay Pal Singh & Karambir Chauhan, Published in Proceedings of *National conference on Emerging Trends & Applications in Communication Technology* held at National Institute of Technology (NIT), Kurukshetra, pp. 31-35 **(Apr. 2007)**.

Personal Teaching Philosophy:

I am fortunate to have a number of years of continuous teaching experience, which has enabled me to develop a 'teaching philosophy' of my own.

I believe that it is my duty as a teacher to make students understand '*how to learn the subject matter*' and not merely to deliver the class material. I avoid '*spoon feeding*' the knowledge, but try to motivate and guide the students to learn more. I also believe personal touch is essential for a healthy teacher – student relationship. With the diversity of our community reflecting in our classroom, it is also critical to identify ways to reach out to each individual.

I conduct my class with a personable approach and put adequate emphasis on out-of-the-class interaction with students. I believe students must be treated with respect and the classroom must be free from undue tension and anxiety. Openness, honesty and ability to maintain trust are highly conducive to effective learning. I welcome feedback from students, which help me to organize my sequence of lectures. Particularly, for higher degree classes, I have found that, feedbacks from students about what knowledge they currently possess and problems they face with learning in the new system is essential to plan lecture material as students come with diverse level of back ground preparations.

In order to stimulate student's desire to learn and effective knowledge transfer, it is essential to keep student's attention in the class. It is not unusual to see me moving around in the platform, varying pitch of my voice, scanning the whole class to maintain eye-to-eye contact while explaining a concept. My humors are sometimes celebrated, sometimes detested, but I apply them to keep student's attention. In order to stimulate interest and to increase sense of participation, I challenge the students with occasional questions, preferably linking real life experience with the text.

My classes are well organized. In initial years, I used to go to class equipped with a premeditated 'black board plan'. My handouts give detailed breakup of the expected learning objectives for the semester. Before starting a class, I prefer to list out the '*objectives of today's class*'. At the end of the class, I prefer to pose one or two 'open questions'. I have made use of Over Head Projectors

as well as Power Point Slides for some of my presentations, but I still rely on Black Board for more than 30% of my contact hours in the class.

I believe in continuous evaluation, spread over components like Tutorials, Home assignments, Team works, Tests. While setting papers, I try to bring out how much a student know, not what he does not know! To judge a large class, questions should be formulated to cater to different level of preparedness. I detest lengthy question papers. I always display a fully worked out solution for the questions along with a marking scheme and stick to it.

Finally, as a committed teacher, I am aware of my obligations and responsibilities to uphold the reputation of the college I am working for. As a teacher, I 'preach' my students to adopt Engineering as a way of life and try to impart sense of responsibility towards the society and our nation.

Date:.....

Place:.....

(VIJAY PAL SINGH)