

RESUME'

Dr. Manu Sood
soodm_67@yahoo.com

Objective

- **A pursuit to achieve excellence with humanity thru challenging assignments in the field of Computer Science / Information Technology**

Professional Experience

- More than **28 years** in different fields at different levels; approx. **5 years in Industry** and **23 years** with H.P. University, Shimla
- Remained **Chairman**, Department of Computer Science, H.P. University, Shimla from **02/07/2009 to 01/07/2011**
- At present also, working as **Chairman**, Department of Computer Science, H.P. University, Shimla since **27th July 2015**
- Also working as **Director, University Institute of Information Technology, Himachal Pradesh University, Shimla** since **22nd February 2014**

Professional Qualifications

- **B.E. (Electronics & Telecommunications)** from **Government Engineering College, Jabalpur, M.P.** (Rani Durgawati University, Jabalpur) in 1988 with 81% marks
- Post Graduate Diploma in Computers Management (Software) in 1991
- **M. Tech. (INFORMATION SYSTEMS)** from **Division of Computer Engineering, Netaji Subhas Institute of Technology, Dwarka, New Delhi** in 2001 with **Delhi Chief Minister's Gold Medal**
- **Ph.D.** from the **Division of Computer Engineering, Netaji Subhas Institute of Technology, Dwarka, New Delhi** under the **Faculty of Technology, Delhi University, Delhi**, the title being **"Requirements Model: A Basis for Computation of Metrics and Derivation of Class Diagram and Test Cases"** in February 2008

Career: Snapshots

General

- First division through out the career.
- **National Merit Scholarship Holder** in **X & XI** standards
- **9th Rank** in the merit list in **H.P.** State in **X** standard
- **3rd Rank** in the merit list in **H.P.** State in **XI** standard
- Qualified **GATE – 2000**
- **Delhi Chief Minister’s Gold Medal** in **M. Tech.**

Professional

I –Himachal Pradesh University:

- **Founder Coordinator, Training & Placement Cell**, Dept. of Computer Science, H.P.U. Shimla. Established the **Training & Placement Cell** in the Department for 6 months training & On-Campus / Off-Campus Recruitment Programme of M.C.A. students
- **Founder Coordinator, M. Tech. Programme**, Dept. of Computer Science, H.P.U. Shimla till April 2008 and as **Coordinator, M. Tech. Programme** twice after September 2009 till date
- **Subject Expert** and also **Vice-Chancellor’s Nominee** for different **Inspection Committees** for computer related courses for different colleges in the state
- **Member, Committee** for up-gradation of **Computer Centre, H.P.U. Shimla** in 1996-97
- **Member, Committee** for establishing **Computer Centre** in **Institute of Management Studies (IMS), H.P.U. Shimla**
- **Member, Committee** for establishing **Computer Centre** in **International Centre for Distance Education & Open Learning (ICDEOL), H.P.U. Shimla**
- **Member, Committee** and **Member, Technical Committee** for setting up **On Campus Optical Fiber Wide Area Network** in the **H.P.U. Shimla**
- **Member, Board of Studies, Department of Computer Science, H.P.U. Shimla** (Active participation in the design and redesign of various Curricula, introduction of new courses / subjects)
- **Member, Committee** for **Computerization of Examination System** in **H.P.U. Shimla**
- **Member, Committee** for **Computerization of Finance Wing** in **H.P.U. Shimla**
- **Resource Person** for imparting IT training to the **Non-Teaching Employees** of **H.P.U. Shimla**

- **Resource Person / Coordinator** for various **Orientation Programmes, Refresher Courses and IT Awareness Programmes** for college / university teachers of India held regularly by the **Academic Staff College, H.P.U. Shimla**
- **Guest Faculty** for **Dept of Commerce, Dept of Biotechnology, Dept of Biosciences, Institute of Management Studies, Institute of Vocational Studies and ICDEOL** on **H.P.U. campus**
- Formerly, approved **Academic Counselor** for **M.C.A.** programme of **Indira Gandhi National Open University (I.G.N.O.U.)** at Shimla Study Centre
- **Project Evaluator** for **M.C.A.** programme of **Indira Gandhi National Open University (I.G.N.O.U.)** at Regional Centre, Shimla
- Formerly, **Resource Person** for different **Computer Training Programmes** in Himachal Pradesh Institute of Public Administration (HIPA), Shimla. The institute is responsible for fulfilling various training needs of the officers of the state, especially the administrative officers
- Formerly, **Visiting Faculty** to the **University College of Business Studies, Shimla** and **Govt. College, Dharamshala** for **B.C.A. / B.B.A.**
- Active participation in many other on-campus co-curricular activities
- **Initiated the process for Computerized** printing of **Handbook of Information** for admission to various courses of **H.P.U. Shimla** for the first time in 1997
- **Active role** in the establishment of various **Computer Labs** in **Department of Computer Science, H.P.U. Shimla**
- **Chairman**, Department of Computer Science, H.P. University, Shimla
- **Chairman**, Board of Studies (UG & PG), Department of Computer Science, H.P. University, Shimla
- **Member, Faculty of Physical Sciences**, H.P. University, Shimla
- **Director**, University Institute of Information Technology, H.P. University, Shimla
- **Chairman**, Board of Studies (UG & PG), UIIT, H.P. University, Shimla
- **Member, Faculty of Engineering & Technology**, UIIT, H.P. University, Shimla
- **Member, Academic Council**, H.P. University, Shimla
- **Ex-Member, Anti Ragging Committee, Faculty of Physical Sciences**, H.P. University, Shimla

- **Convener, Standing Committee** in Computer Science, H.P. University, Shimla
- **Convener, Research Degree Committee** in Computer Science, H.P. University, Shimla
- **Ex-Chairman, Work group on ICT Intervention in Quality Assurance**, Internal Quality Assurance Cell, H.P. University, Shimla
- **Member, Advisory Committee, H.P. University Library**

II – Outside Himachal Pradesh University:

- Component level repairs exposure
- **Designed & developed a prototype of a Banker Machine using Intel Microcontroller for Methodex Systems**, New Delhi in 1993
- **Subject Expert, Selection Committee for Executive (IT) at SJVNL, Shimla**
- **Conducted Departmental Examination for promotion of various members of staff (IT Department) at SJVNL, Shimla**
- **As a Head Examiner**, conducted **Examination** for testing the practical proficiency of applicants for the post of **Junior Engineer (IT) for Himachal Pradesh Power Corporation Ltd., Shimla**
- **Subject Expert, Selection Committees for Computer Faculty** at various schools, colleges in the state and universities in India
- **Subject Expert, Inspection Committee, Himachal Pradesh Private Education Regulatory Commission, Government of Himachal Pradesh, Shimla**
- **Subject Expert, Inspection Committee, Himachal Pradesh Technical University, Dharamshala, Himachal Pradesh**
- **Observer, DOEACC Shimla Centre** for its **O, A, B & C Level Exams** since last so many years
- **Life Member, Computer Society of India** (Membership no. 00019010)
- **Member, Expert Committee, MCA Hindi medium course for vetting and editing course material of MCA Hindi Programme at SOCIS, IGNOU, New Delhi**
- **Expert Member, Interview Committee for admission to Ph.D. in Computer Science, IGNOU, 2009, New Delhi**
- **Ex-Member, Ethics Committee, Indira Gandhi Medical College, Shimla**

Research: Some Salient Features

- Around **50 nos. of publications** in **International Journals, Conferences & Books chapter & 07 in National Conferences, Journals** (Please see the list appended at the end)
- At present, Google Scholar Citation Index 200 (Approx) with **h-index of 8 & i10-Index of 7**
- **Member, Program Committee, 1st, 2nd and 3rd International Conference on Parallel, Distributed and Grid Computing** (PDGC 2010, PDGC 2012 & PDGC 2014), JPUIT, Solan, India.
- **Member, International Technical Program Committee, International Workshop on Scalable Distributed Research for Grids, Clusters and Clouds** (SDR-GCC 2010), 18-19 October 2010, Moscow, Russia.
- **Member, Technical Program Committee, International Congress on Ultra Modern Telecommunications and Control Systems** (ICUMT 2010), 18-20 October 2010, Moscow, Russia.
- **Member, National Advisory Committee, IEEE-MTTS 1st International Conference on Advances in Computing and Communication**, 8-10 April 2011, National Institute of Technology, Hamirpur, (H.P.), India
- **Member, Technical Program Committees for the following conferences:**
UKSim2012, UKSim2011, SDR-GCC 2010, IJSSST-V13, IJSSST-V12, ICUMT 2012, ICUMT-Workshop-40, EMS2012, EMS2011, CIMSIm2012, CIMSIm2011, CICSyN2012, CICSyN2011, EUROSIM2013, ISMS2013, ICUMT 2011 Budapest, ISMS2012, ISMS2011, ISI2012, CICSyN2010, ISI2013- Mysore, ISI'12, SIMS2013, ISME2013 and many more
- **Reviewer for the following conferences:**
AMS2011, AMS2012, ISCI 2012, ISCAIE 2012, PDGC 2012, PDGC 2014 and many more
- **Chaired a Technical Session** each at **1st, 2nd & 3rd IEEE International Conference on Parallel, Distributed and Grid Computing** (PDGC 2010, PDGC 2012 & PDGC 2014), JPUIT, Solan, India.

- **Chaired a Session in National Conference on Emerging Computer Technologies (ECT-05)**, held at HRMMV, Jalandhar on September 29-30, 2005
- **Key Speaker, National Seminar on Enterprise Information Systems (AICTE Sponsored)**, Apeejay Institute of Management, Jalandhar on May 24, 2008
- **Key speaker, National Seminar on “Emerging Trends in Management”** 24th Oct 2009, Himalayan Institute of Management, Kala Amb, (H.P.)
- **Resource Person, UGC sponsored National Seminar on “Prospects of IT: 2020”**, Hindu Girls College, Jagadhari, 14-15 September 2010
- **Guided more than 150 Projects** of software development of **Post Graduate Diploma in Computer Applications** and **130 Projects** of software development of **Master of Computer Applications**; and **supervised 24 dissertation theses** of **M. Tech. (Computer Science)** and **03 dissertation theses** of **M. Phil.**
- **Supervised 04** nos. of **Ph.D. students**
- At present, **supervising 08 Nos. of Ph.D. students** in the **Department**, **03 Nos.** of dissertation works of **M. Tech. (Computer Science)**
- Evaluated a no. of **Ph.D. thesis** and conducted **viva-voce examinations**

Projects

- **Completed: Dr. Manu Sood, “Development of a Tool to Compute Problem Complexity of an Information System”**, 2004 to 2006, **UGC (Minor Project)**, Rs.25,000.00
- **Completed: Dr. Manu Sood, “Simulation Based Learning Approach to Software Engineering and Management”**, 2009 - 2012, **University Grants Commission, New Delhi (Major Research Project)** worth Rs.8,46,800.00

Experience Profile

A. Joined as **Programmer** in **July 1993** in the **Computer Centre, H.P.U. Shimla**

- ⊙ Taught students of **M.C.A.** and **P.G.D.C.A.** in the **Dept of Computer Science, H.P.U. Shimla**

- ⊙ Was a **member of the team** for the **computerization of various activities** in the University including developing **pay-roll system, CPF/GPF System** (COBOL & dBase), **library system** (dBase), **office management system** in the Vice-Chancellor's Office etc
- ⊙ Established a **DTP Cell** in the **Centre** for various in-house DTP jobs of the University including **Handbooks of Information** for various courses in the campus, PMT & CPET entrance test brochures etc
- ⊙ Participated actively in the up-gradation of then existing hardware & software of the **Computer Centre** in H.P.U. and hence ensuring the availability of one of the best platforms to the students of the University
- ⊙ Spread **computer literacy** within the University among the **students** of the departments **other than** those of **Computer Science** and also among the **Teaching & Non-Teaching staff** of the University

B. Joined as Lecturer, Department of Computer Science, H.P.U. Shimla in June 1997

- ⊙ **Teaching various subjects to the students of M.C.A., M. Tech. & Ph.D.**
- ⊙ **Guiding** students of **M.C.A.** in carrying out their **6 months project work** in VI Semester and the students of **M. Tech.** in their **dissertation work** in III & IV semester
- ⊙ **Question papers setting & Evaluation of Answer Scripts** for various examinations
- ⊙ **Invigilator** for various examinations in the University
- ⊙ **Centre Superintendent** for various examinations in the University
- ⊙ Carry out **practical evaluation** of the **students** of the **Department, ICDEOL, Various affiliated Colleges** and other **Universities**
- ⊙ Conduct **seminars/tutorials** on various topics in the **Department**
- ⊙ Actively contributed in setting up of syllabi for different courses of the **Department of Computer Science** as well as for the courses related to computers in other departments of H.P.U. and Colleges affiliated to H.P.U.
- ⊙ Looked after the training & placement needs of the students of the department as **Training & Placement Coordinator** twice, each for a period of 2 years
- ⊙ Acted as **Coordinator, M. Tech. Programme** twice in the department

- ⊙ **Supervising** research work of **M. Tech.** and **Ph.D.** students of the **Department** and **M. Phil.** students of other **Universities**
- ⊙ **Guiding** students of PGDCA & MCA of the **Department** and of other **Universities**

Personal Details

Name	Dr. Manu Sood
Designation	Professor & Chairman, Department of Computer Science & Director, UIIT
Qualification	B.E. (E&T), M. Tech. (IS), Ph.D.
Date of Birth	16/08/1967
Email	soodm_67@yahoo.com
Address for Correspondence	Department of Computer Science Himachal Pradesh University Summer Hill, Shimla (H.P.), India - 171005