# Curriculum Vitae

## 1.  General Information

| Name | **Dr. MANU SOOD** |
|---|---|
| Date of Birth (DD/MM/YYYY) | **16/08/1967** |
| Educational Qualification | **B.E., M. Tech., Ph.D.** |
| Present Position | **Professor, Department of Computer Science, H.P. University, Shimla since 30.06.2010 (12 Years)** |
| Mobile Number | 9418309695, 8219366990 |
| Email Ids | **soodm_67@yahoo.com, manu.sood@hpuniv.ac.in** |

## 2.  Educational Qualification

| Qualification | Institute / Board/ University | Year | Subject(s) / Topic (s) | %age Achieved |
|---|---|---|---|---|
| Ph.D. in Computer Engineering, Faculty of Technology, University of Delhi | Netaji Subhas Institute of Technology (NSIT), Dwarka, New Delhi (University of Delhi) | 2008 | Computer Engineering: Requirements Model: A Basis for Computation of Metrics and Deriving Class Diagram and Test Cases | N.A. |
| M. Tech. (Information Systems) from Department of Computer Engineering | Netaji Subhas Institute of Technology, Dwarka, New Delhi (University of Delhi) | 2003 | Information Systems | 79% (GPA=8.61) with **Delhi CM's Gold Medal** |
| Bachelor of Engineering | Govt. Engineering College, Jabalpur (Rani Durgavati Vishwavidyalaya, Jabalpur) | 1988 | Electronics & Telecommunications | 81.3%, |

## 3.  Administrative Experience / Post(s) & Responsibilities Held:

| SN | Post | Organization/ University | Duration From | Duration To |
|---|---|---|---|---|
| 1 | Chairman, Department of Data Science & Artificial Intelligence | H.P. University, Shimla | 26.09.2022 | Till date |
| 2 | Chairman, Board of Studies, Department of Data Science & Artificial Intelligence | H.P. University, Shimla | 26.09.2022 | Till date |
| 3 | Member, Academic Council | H.P. University, Shimla | 21.09.2022 | Till date |
| 4 | Chairman, Department of Computer Science | H.P. University, Shimla | 02.07.2009 | 01.07.2011 |
| 5 | Director, University Institute of Information Technology (UIIT) | H. P. University, Shimla | 24.02.2014 | 27.08.2018 |
| 6 | Chairman, Department of Computer Science | H.P. University, Shimla | 24.07.2015 | 23.07.2017 |
| 7 | Chairman, Board of Studies (UG), Department of Computer Science | H.P. University, Shimla | 02.07.2009 | 01.07.2011 |
| 8 | Chairman, Board of Studies (PG), Department of Computer Science | H.P. University, Shimla | 02.07.2009 | 01.07.2011 |
| 9 | Chairman, Board of Studies (UG), Department of Computer Science | H.P. University, Shimla | 24.07.2015 | 23.07.2017 |
| 10 | Chairman, Board of Studies (PG), Department of Computer Science | H.P. University, Shimla | 24.07.2015 | 23.07.2017 |
| 11 | Member, Board of Studies (UG), Department of Computer Science | H.P. University, Shimla | 31.05.1997 | Till Date |
| 12 | Member, Board of Studies (PG), Department of Computer Science | H.P. University, Shimla | 31.05.1997 | Till Date |
| 13 | Member, Research Degree Committee (RDC), Department of Computer Science | H.P. University, Shimla | 23.02.2008 | Till Date |

| 14 | Member, Standing Committee, Department of Computer Science | H.P. University, Shimla | 23.02.2008 | Till Date |
|---|---|---|---|---|
| 15 | Member, Faculty of Physical Sciences | H.P. University, Shimla | 30..06.2010 | Till Date |
| 16 | Member, Academic Council | Himachal Pradesh University, Shimla | 02.08.2008 | 01.08.2010 |
| 17 | Member, Board of Studies (UG & PG), Department of CSE & IT | JUIT, Waknaghat, Solan, Himachal Pradesh | 28.01.2009 | Till Date |
| 18 | Member, Faculty of Engineering & Technology, UIIT | H.P. University, Shimla | 24.02.2014 | 27.08.2018 |
| 19 | Chairman, Work group on ICT Intervention in Quality Assurance, IQAC | H.P. University, Shimla | | |
| 20 | Member, Advisory Committee, Library | H.P. University, Shimla | | |
| 21 | Member, Anti Ragging Committee | Faculty of Physical Sciences, H.P. University, Shimla | | |
| 22 | External Expert, DRC, Department of IT | Delhi Technological University, Delhi | 06.12.2019 | 05.12.2021 |
| 23 | External Expert, DRC, Department of CSE | Delhi Technological University, Delhi | 23.10.2020 | Till Date |
| 24 | Member, Board of Studies | Central University of Jammu, Jammu | 09.01.2021 | Till Date |
| 25 | Member, Research Degree Committee | Himachal Pradesh Technical University, Hamirpur (H.P.) | 14.01.2-21 | Till Date |
| 26 | Member, Board of Studies | USICT, GGSIPU, Dwarka, New Delhi | 11.10.2017 | 10.10.2019 |
| 27 | Observer | DOEACC Shimla Centre for its O, A, B & C Level Exams | 2006 | Till date |
| 28 | Life Member | Computer Society of India | 2005 | Till date |
| 29 | Member, Expert Committee, MCA Hindi medium course for vetting & editing course material of MCA Hindi Programme | SOCIS, IGNOU, New Delhi | 2010 | 2011 |
| 30 | Member, Ethics Committee | Indira Gandhi Medical College, Shimla | 2007 2010 | 2009 2012 |

## 4. (a) Academic/Teaching Experience & Responsibilities:

| SN | Post Held | Organization | Experience (In Years & Months) |
|---|---|---|---|
| 1 | **Professor, Department of Computer Science** | H. P. University, Shimla | 12 Years |
| 2 | **Reader / Associate Professor, Department of Computer Science** | H. P. University, Shimla | 2 Years 4 Months |
| 3 | **Lecturer (Assistant Professor), Department of Computer Science** | H. P. University, Shimla | 10 Years & 9 Months |
| 4 | **Programmer, Computer Centre** | H. P. University, Shimla | 3 Years & 11 Months |
| 5 | **Senior Technical Executive** | Methodex Systems Ltd, Nehru Place, New Delhi | 6 Months |
| 6 | **Technical Executive** | Hindustan Office Products (HOPE), Nehru Place, New Delhi | 3 Years & 2 months |
| 7 | **R & D Engineer** | Unitron Limited, (A Birla Group Company), #20/3, Mathura Road, Faridabad - 121001 | 1 Year & 2 Months |

## (b) Participation and contribution in relevant areas in higher education:

| | Organization |
|---|---|
| Resource Person | Human Resource Development Center, Kurukshetra University, Kurukshetra |
| Resource Person | Human Resource Development Center, Punjabi University, Patiala |
| Resource Person | Human Resource Development Center, Punjab University, Chandigarh |
| Resource Person | Human Resource Development Center, JNV University, Jodhpur |
| Resource Person | Human Resource Development Center, Devi Ahilyabai Vishvvidyalaya, Indore |
| Resource Person | Human Resource Development Center, Chaudhary Bansi Lal University, Bhiwani, Hariyana |

| | |
|---|---|
| Resource Person | Human Resource Development Center, Himachal Pradesh University, Shimla |
| Resource Person | Manav Rachna IIRS Faridabad |
| Resource Person | JUIT, Waknaghat, Solan, H.P |
| Resource Person | National Institute of Technology, Hamirpur (H.P.) |
| Resource Person | National Institute of Technology, Jalandhar (Punjab) |
| Resource Person | D.A.V. College, Amritsar (Punjab) |
| Resource Person | Himachal Institute of Public Administration, Shimla |
| Resource Person | Gautam Budha University, Noida |
| Resource Person | Central University of Himachal Pradesh, Dharamshala |
| Resource Person | IPS College of Technology, Gwalior |
| Resource Person | Central University, Jammu |
| Resource Person | APG University, Shimla |
| Resource Person | CT College, Jallandhar |
| Resource Person | D.A.V. College, Jallandhar |
| Resource Person | GGDSD College, Chandigarh |
| Member | Various committees for establishing computer labs in various teaching departments of H.P. University, Shimla |
| Member | Establishing Computer Centers in the H.P. University, Shimla |
| Member | Establishing Computer Centers in the International Center for Distance and Open Learning, H.P. University, Shimla |
| Member | Technical Committee, Committee for establishing Campus wide DiD based telephone exchange in H.P. University, Shimla |
| Member | Committee for establishing Campus wide Optical Fiber Network in H.P. University, Shimla |
| Member | Technical Committee, Committee for establishing Campus wide Optical Fiber Network in H.P. University, Shimla |
| Chairman | Committee for establishing Campus wide Wi-Fi Network in H.P. University, Shimla |
| Subject Expert | Various Inspection Committees for inspecting various degree colleges across the state for granting affiliation to the H.P. University, Shimla |
| VC's Nominee | Various Inspection Committees for inspecting various degree colleges across the state for granting affiliation to the H.P. University, Shimla |
| Subject Expert | Various Inspection Committees for inspecting various private universities across the state under the state government through HPPERC, Himachal Pradesh |
| Chairman's Nominee | Various Inspection Committees for inspecting various private universities across the state under the state government through HPPERC, Himachal Pradesh |
| Expert Member | Selection Committee for Engineers (IT) in SJVNL, Shimla |
| Expert Member | Selection Committee for IT professional, HPPCB, Shimla |
| Expert Member | Selection Committee for IT professional, HPPCL, Shimla |
| Expert Member | Selection Committee for Assistant Professor, Computer Science & Engineering, MSU, Baroda |
| Expert Member | Selection Committee for Associate Professor & Professor, Computer Engineering, NSIT, Delhi |
| Expert Member | Selection Committees for Associate Professor & Professor, Computer Science & Applications, GJUST, Hisar |
| Expert Member | Selection Committee for Assistant Professor & Associate Professor, Computer Science & Engineering, JUIT, Waknaghat, Solan, H.P. |
| Expert Member | Selection Committee for Assistant Professor & Associate Professor, Computer Science & Engineering, Haryana Skill Development University, Gurugram |
| Expert Member | Selection Committee, University of Delhi, Delhi |
| Member | Selection Committees for Associate Professor & Professor, Department of Computer Science, H.P. University, Shimla |
| Member | Skill Development Committee, H.P. University, Shimla |
| Chairman | Technical Committee, IQAC, H.P. University, Shimla |
| Expert Member | Committee for installing campus wide Network (Wired & wireless) at Indian Institute of Advanced Studies, Shimla |
| Technical Member | Computer Advisory Committee for providing comprehensive IT plan including development & hosting of website, IIM, Sirmaur, H.P. |

| | |
|---|---|
| Academic Counselor | Formerly, approved 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 | Formerly, Project Evaluator for M.C.A. programme of Indira Gandhi National Open University (I.G.N.O.U.) at Regional Centre, Shimla |
| Coordinator | For MCA, BCA & PGDCA programmes of the university offered through International Center for Distance Education and Open Learning (ICDEOL), H.P. University, Shimla. |
| Coordinator | Remained coordinator for CIC, PGDCA & MCA courses, I.G.N.O.U. at Regional Centre, Shimla |
| Expert Member | Committee for setting up a Cyber Forensic Laboratory at Police Head Quarters, Shimla |
| Expert Member | Interview Committee for admission to Ph.D. in Computer Science, IGNOU, 2009, New Delhi |

### (c) Involvement with Formulation of Academic Programmes:

| SN | Nomenclature of Innovative Academic Programmes formulated | Date of approval by Senate | Year of Introduction |
|---|---|---|---|
| 1 | M. Tech., Department of Computer Science, H.P. University, Shimla | Oct 16, 2006 | 2006 |
| 2 | Ph.D., Department of Computer Science, H.P. University, Shimla | Oct 16, 2006 | 2007 |
| 3 | B.Sc. (Multimedia), MCRPV Bhopal | Mar 19, 2010 | 2010 |
| 4 | B.Sc. (Graphics & Animation), MCRPV, Bhopal | Mar 19, 2010 | 2010 |
| 5 | B.Sc. (IT), IGNOU, New Delhi | Dec 31, 2011 | 2012 |
| 6 | MCA Hindi medium course for vetting and editing course material of MCA Hindi Programme at SOCIS, IGNOU, New Delhi | | |

### (d) Important MoUs Formulated for Academic Collaborations:

| SN | MoUs formulated | Name of Agencies/ Department involved | Year of MoU |
|---|---|---|---|
| 1 | Academic MoU | Department of Computer Science, H.P. University, Shimla and NIT Hamirpur | 2010 |
| 2 | International Conference on RICSIT 2016 | UIIT, H.P. University with Department of Computer Science, H.P. University | 2016 |
| 3 | International Conference on RICSTIT 2017 | Department of Computer Science, H.P. University with UIIT, H.P. University | 2017 |

## 5. Scholarly Achievements:
### (a) Contribution to Journals/Books/Conferences:

| | |
|---|---|
| **Peer reviewer for** | • Journal of Supercomputing, Advances in Science, Technology and Engineering Systems: Journal, Multimedia Tools and Applications, Array and many more |
| **Member of International Advisory Board** | 2 Numbers of International Conferences |

### (b) Publications: 95 + 06 under publication (after Acceptance)

**Academic Journals: Total Publications = 78 + 02 under publication (after Acceptance)**

**Presentations in conferences: a) National = 08 and b) International = 17 + 04 under publication (after Acceptance)**

### (c) Participation and contribution in National/International Fora:

| | | |
|---|---|---|
| **Plenary Lectures/Invited Talks** | International | **12** |
| | National | **13** |
| **Examinership etc.** | International | **Nil** |
| | National | − **MCA Industrial Projects & other practical subjects: 500+**<br>− **BCA Projects & other practical subjects: 500+**<br>− **B. Tech. Projects & other practical subjects: 500+**<br>− **Paper setter for PhD entrance test: 10+**<br>− **Paper setter for M. Tech. entrance test: 10+** |

| | | – **Paper setter for MCA entrance test: 5** |
| | | – **Paper setter for BCA entrance test: 3** |
| | | – **M. Tech. Thesis/Dissertations Evaluation & Viva: 150+** |
| | | – **Ph.D. Thesis Evaluation: 78** |
| | | – **Ph.D. Viva: 35+** |
| | | – **Examination Center Superintendent: 13+** |
| | | – **Examination Center Deputy Superintendent: 2+** |
| | | – **Examination Center Assistant Superintendent: 30+** |
| **Others (Specify)** | | |
| **Member, Technical Program Committee** | International | **70+** |
| | National | **15** |
| **Technical Session Chair** | International | **30+** |
| | National | **10+** |
| **PhDs Supervised** | | **09** |
| **M. Tech. Supervised** | | **42** |
| **M. Phil. (Computer Science)** | | **03** |
| **MCA Projects Supervised** | | **200+** |

## 6. Research Projects:

| SN | Client/Organization's Name | Nature of Project | Duration | Amount of Grant (₹) |
|---|---|---|---|---|
| 1 | UGC, New Delhi | UGC Minor Research Project | 1 year | ₹30,000.00 |
| 2 | UGC, New Delhi | UGC Major Research Project | 3 Years | ₹8,64,000.00 |

## 7. Consultancy Experience: (List key consulting assignments undertaken)

| SN | Client/Organization's Name | Nature of Assignment | Duration |
|---|---|---|---|
| 1 | "IT for Masses" project sponsored by MeitY, GoI to CDAC, Mohali for the state of H.P. | To conduct Baseline Survey and Impact Assessment Study for the population of SCs, STs and Women in the state of Himachal Pradesh and present the analysis report | 1 year 6 months |
| 2 | SJVNL | To evaluate the performance & competency of employees on the post of JE (IT) and recommend promotion to the post of Engineer (IT) based on the evaluation | 4 months |
| 3 | HPPCL | To evaluate the applicants for the post of Engineer (IT) and to provide the list of chosen candidates for further personnel interviews for possible selection | 4 months |

**Place: Shimla**                                                                 **Date: 21/06/2022**