

Curriculum Vitae

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Dr. Sunil Kumar

Working as an **Assistant Professor, Head of Department with Additional Charge of Training and Placement officer** at leading College for Girls at Sri Muktsar Sahib under the Management of **SGPC, Amritsar**.

Personal Profile:

Date of birth : 17th Nov. 1977
Language Known : English, Hindi, Punjabi
Hobbies : Reading the books, Chatting

Academic Qualification:

- 1 **Ph.D. in Computer Science and Application from MMU, Mullana-Haryana.**
- 2 M.Tech.(IT) from MM University, Mullana(Ambala)
- 3 M.Phil.(Comp. Sc.) from Alaggappa University, Karikudi
- 4 MCA from Maharishi Dayaanand University Rohtak
- 5 MBA(IT) from PTU, Jalandhar
- 6 B.Com from P.U. Chandigarh

Experience:

- Presently working as Assistant Professor in Senior Scale at Guru Nanak College for Girls, Muktsar since July 2004.
- One-year Experience as Lecturer at Mai Bhagoo College for Computer.

Member:

- Member of International Association of Engineers (Scopus indexed Journal).
- Editorial member of American Journal of Applied Scientific Research.
- Editorial member of Journal of Bio Innovation.
- Editorial Member Journal published by PG Department of Computers Science, Dev Samaj College for Women, Firozpur.
- Active Reviewer in Global Journals, United States
- Active Reviewer in International Journal of Computer Applications in Technology of Inderscience (Scopus Indexed).

Research Publication:

- Sunil Kumar, Sumit Mittal, Manpreet Singh, “Fuzzy Based Trust Management System for Cloud Environment”, Advances in Science and Technology Research Journal (*Thomson Reuters (ESCI indexed)*), ISSN: 2299-8624, vol. 10(30), June 2016, pp: 32-37.

- Sunil Kumar, Sumit Mittal, Manpreet Singh, “A Comprehensive Survey on Load Balancing Techniques used for Cloud Computing Environment” National Level Conference in Computer Technologies with Title “Pervasive Computing”, organised by DAV College, Bathinda on 6th May, 2016, proceeding has been published.
- Sunil Kumar, Sumit Mittal, Manpreet Singh, “A Comparative Study of Metaheuristics Based Task Scheduling in Distributed Environment” Indian Journal of Science and Technology (Scopus Indexed), Vol 10(26), July 2017, pp1-13.
- Sunil Kumar, Sumit Mittal, Manpreet Singh, “ Metaheuristic Based Workflow Scheduling in Cloud Environment”, IEEE Conference, Amity University, Noida, 7-9 Sept. 2016, **Best Paper awarded**
- Sunil Kumar, Sumit Mittal, Manpreet Singh, “Energy-aware Virtual Machine Placement in Cloud Datacenter” International Journal of Applied Mathematics and Computer Science (Scopus Indexed and SCEI indexed) Communicated.
- Sunil Kumar, “SWOT Analysis of heuristic based task scheduling in Distributive Environment” National Level Conference organized by Central University of Punjab, Bathinda held on 29th December 2016.
- Subhash Chander, Sunil Kumar, “Extensive Survey of Simulators available in Distributed Environment” International Conference on recent computing on 30-31 August 2016 organised by Punjabi University, Patiala.
- Sunil Kumar, “Extensive survey on Virtual Machine Migration techniques in Cloud Environment” IOSR Journal of Computer Engineering (IOSR-JCE), Volume 19, Issue 4, Ver. III (Jul.-Aug. 2017), PP 77-79.
- Sunil Kumar, Sumit Mittal, “Comparative study of Cost Management approaches for Cloud Computing Environment”, IAENG International Journal of Computer Science (Scopus Indexed), Communicated
- Sunil Kumar, “ICT & Agriculture”, National Conference on Agriculture Emergence at Dashmesh College, Muktsar on 2nd April, 2016.
- Sunil Kumar, Sumit Mittal, Manpreet Singh, “A Genetic Based Task Scheduling Strategy for Distributed Environment”, IOSR Journal of Computer Engineering, proceeding of National conference on Advances in Engineering, Technology and Management, e-ISSN:2278-0661, ISSN: 2278-8727, PP: 61-65.
- Sunil Kumar, “Optimization Task Scheduling Techniques for Distributive Environment”, World Wide Journal of Multidisciplinary Research and Development, Vol. 4(3), pp:16-19, 2018
- Sunil Kumar, “Pilot E-Governance Projects in Punjab”, National Level Conference on Managing Startergies: Competitive Advantage at GJ-IMT, Mohali on dated 18th November 2006.
- Sunil Kumar, “E-Governance in Malwa Region – A Survey”, National level Conference on Measuring and Managing Managerial skills organized by Department of Commerce and BM, G.N. College for Girls, Muktsar on dated 13rd March 2010.

- Sunil Kumar, “A Comparative Study of Edge Detection Algorithm and Designing through Fuzzy System” National level conference on Emerging Technologies in Computing organized by Department of Computer Science, Dev Smaj College for Women, Firozpur on dated 30th Nov. 2011.
- Sunil Kumar, “Role of ICT in Panchyati Raj” National Level Seminar on Engendering Panchyati Raj organized at Guru Nanak College for Girls, Muktsar on dated 03rd March 2017.
- Sunil Kumar, “Genetic Based Task Scheduling Algorithms in Distributed Environments – its Strength, Weaknesses, opportunity and Threats” International Journal of Advance Research in Science and Engineering, Vol. 6(10), 2010, ISSN: 2319-8354.
- Sunil Kumar, Sumit Mittal, “Cost Management approaches for Cloud Computing Environment: Current Challenges and Future Scope” in International Conference held at Maharishi Markendesh University, Mullana on dated 19-21 March 2019.

Research Project:

- One UGC Funded Project Completed with Title “**A Comparative study of Edge Detection Algorithm and Designing of an Algorithm through Fuzzy System**” with Grant of Rs1.2 lac.

Extra Curricular Activities:

- Final question paper set as Subject Expert with title “Ms-office” for B.Voc (Software Development) students of Panjab University, Chandigarh.
- Final question paper set as Subject Expert with title “Introduction to Computer Application” for B.Sc.(Hons.) Agriculture Ist Semester Students of MMU, Ambala.
- Guided the Two M.Phil. Students of M.M.U., Mullana during the session 2008-09.
- Acted as Flying Squad for the PSEB Annual Examinations of 10+2 on dated 05-03-2016 at Talwandi Saboo.
- Acted as Subject Expert to appoint Computer Lecturer at National College of Information Technology, Muktsar on dated 11th April, 2016.
- Acted as Observer for Competitive Exam of PSTET 2015 held at Govt. Sr. Sec. School(Boys), Muktsar on dated 13th December 2015.
- Acted as Subject Expert to appoint Computer Lecturer at National College of Information Technology, Muktsar on dated 11th July, 2013.
- Acted as Master Trainer during Assembly Elections 2014.
- Acted as Member of panel being Subject Expert to appoint the lecturer for the Jamna Devi Educational Society, Muktsar on dated 02-05-2015.
- Acted as Flying Squad for the PSEB Annual Examinations of 10th on dated 13-03-2015 at Jalalabad.
- Acted as Flying Squad for the PSEB Annual Examinations of 10th on dated 18-03-2016 at Guruhershai.

- Acted as External Examiner to Conduct the Viva-Voice for Practical examination held in March 2009 at Maharaja Ranjit Singh College, Malout.
- Acted as External Examiner to Conduct the Viva-Voice for Practical examination held in January, July (2010,2011,2012) at Infotech Computers, Faridkot
- Acted as External Examiner to conduct the Viva-Voice for Practical examination held at July 2009 at PTU study center, Kotkapura.
- Acted as Subject Expert to appoint Computer Lecturer at Sanik Vocational Institute, Muktsar on Sept. 2010.

(Dr. Sunil Kumar)