

Objective

To invest my career in an environment where my knowledge and experience can be shared and enriched, and also where I can attain significant responsibilities and opportunities for growth and learning in professional teaching.

Work Experience

- Working as Assistant Professor at S.G.G.S.World University, Fatehgarh Sahib since 2.5 years
- More than **5 years of Professional teaching experience** in Chandigarh Engineering College, Landran, Mohali
- Involved in **NBA Accreditation** of Chandigarh Engineering College, Landran, Mohali
- Have taught M.Tech CSE & IT at CEC, Landran
- Experience of performing duties of class counselor
- **Training and placement In-charge** in CSE department for batch 2008-2012,
- Convener in organizing technical events.

Academic Qualification

- **Masters of Engg.** (Computer Science and Engg.),
Session 2007-2009 with 76.6% marks(with distinction),
from **National Institute of Technical Teachers' Training and Research, Sector 26, Chandigarh,** under **Punjab University.**
- **Bachelor of Technology** (Computer Science and Engg.),
Session 2002-2006 with 83% marks (with distinction),
from **Chandigarh Engg. College, Landran (Mohali) Near Chandigarh,** Affiliated to Punjab Technical University, Jalandhar, Punjab.
- +2 (Non-Medical),
Session 2001-2002 with 71% marks,
from **C.B.S.E. board.**
- **Matric**
Session 1999-2000 with 86% marks,
from **P.S.E.B. board.**

Thesis/ Dissertation Work

Title: **Mobile Agent Based Video Retrieval System**

Environment: C#.Net, ADO.Net, Aforge.Net, SQL Server 2008 and Windows XP

Objectives:

- To search and retrieve video files
- To maintain video metadata which will lead to development of efficient and consistent search process
- To search for video data using the content based video retrieval mechanism embedding query by example, which enables more accurate delivery of data to user

- To use mobile agents in video retrieval system
- To search and retrieve relevant video simultaneously on multiple nodes

Guides:

1. **Dr. C. Rama Krishna (Associate Professor)**
Department of Computer Science, NITTTR, Sector- 26, Chandigarh
2. **Ms Sangeeta Gupta (Jr. System Programmer)**
Department of Computer Science, NITTR, Sector- 26, Chandigarh
3. **Mr. Rajwinder Singh (Head of Department)**
Department of Computer Science and Engg., Chandigarh Engg. College, Landran (Mohali)

Publications

- **Content Based Video Retrieval using Mobile Agent** in the International Conference on Advanced Computing and Communication Technologies (ACCT'11) on 20-22nd January, 2011 held at Rohtak.
- **Content Based Video Retrieval through feature extraction using Mobile Agent** in the International conference on emerging trends in engineering and technology (IETET 2010) on 14-16th October, 2010 held at GIMT, Kurukshetra, Haryana.
- **Digital Image Processing for Image Comparison** in the International Conference on Emerging Trends in Electronics & Communications (ICETEC - 2009) on 11 September 2009 held at Indo Global College of Engineering, Abhipur, Distt. S.A.S Nagar (Mohali), Punjab, India.
- **Embedded Technology in Medical Devices** in the International Conference on Emerging Trends in Electronics & Communications (ICETEC - 2009) on 11 September 2009 held at Indo Global College of Engineering, Abhipur, Distt. S.A.S Nagar (Mohali), Punjab, India.
- **Lifelong learning through training and by self doing for skill development** in the International Conference on Training & Employment (ICET - 2009) on 26 August 2009 held at Indo Global College of Engineering, Abhipur, Distt. S.A.S Nagar (Mohali), Punjab, India.
- **Developing Employability** in the International Conference on Training & Employment (ICET - 2009) on 26 August 2009 held at Indo Global College of Engineering, Abhipur, Distt. S.A.S Nagar (Mohali), Punjab, India.
- **Animation Videos and Image Processing** in the National Conference on Animation Perspectives held on 3rd February, 2009 at Indo Global College of Engineering, Abhipur, Distt. S.A.S Nagar (Mohali), Punjab, India.

Workshops /Seminars/ FDP's

- Have attended 1 day workshop on **Open Source- Virtual Era (Grid & Cloud Computing)** organized by **C-DAC, Mohali** on 28th Feb, 2012.
- Attended 2 days workshop on **Transdisciplinary Computer Applications and Design Challenges** organized by **Computer Society of India (CSI)**, from 21st to 22nd October, 2010.
- Attended **MHRD/AICTE** sponsored Winter School on **Linux and its applications** organized by **Computer Science Department (NITTTR Sector-26 Chandigarh)** from 9th to 20th March, 2009.

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- Attended 3 days training program on **Object Oriented Analysis and Design using UML with Rational Rose & RUP** organized by **IBM** from 5th to 7th March,2009 at CEC, Landran.

Technical Skills

Databases- Oracle, SQL Server 2005

Languages- C++, ASP.Net

Projects Undertaken

1. Online Examination System (In ASP.Net and SQL Server 2000)
Performed at Punjab Infotech, Sec 17 Chandigarh.
2. Shopping Mall (In ASP and Oracle)
Performed at STN, sec-34, Chandigarh

Trainings Undertaken

- 6 months industrial training in ASP.Net and SQL Server 2000
July 2005- December2005, Punjab Infotech, Sec 17,Chandigarh.
- Industrial Practical Training of 30 Days in VB 6.0 & Oracle
June 2004 – July 2004, Deltron Ltd.132 Industrial Area Phase 1, Chandigarh.

Academic Achievements

- Secured **Second position** in B.Tech. (Batch 2002-2006) in the College.
- Have done **B.Tech and M.Tech with Distinction**

Personal Details

Spouse Name: Amritpal Singh
Date of Birth: 28th Nov, 1984
Marital Status: Married
Languages Known: English, Hindi & Punjab
Nationality: Indian