BIODATA

Name: **CHARANIJV SINGH SAROA**

Designation: **Assistant Professor [from aug-2013]**

Department: **Computer Science and Engineering.**

Department Address: **Department Of Computer Sci. & Engg. Punjabi University Patiala**

Total Teaching Service: **12 Years**

ACADEMIC QUALIFICATION

Examination	Name of Board/Uni.	Year of Passing	Branch/Subject
Matric	Punjab Board	1994	Math,sci,Punjabi,eng,hindi
B.Tech	PTU	2001	Computer Science
M.Tech	Allahabad Agri. Univ.	2005	IT
UGC NET	UGC	2013	Computer Applications
Ph.D.(Pursuing)	Punjabi University, Patiala	2017	Computer Science & Engineering

TEACHING-EXPERIENCE

      I.   Under-Graduate: **12 Years**

      II.   Post-Graduate: **7Years**

          Total I. & II:-   **12Years**

Work Experience

1. University College Rampura phul   *June-2001 to Aug-2002*

    Subject Taught

    C, C++, JAVA, Data Structure, VB6

    Other Responsibilities:

Paper setting, Paper checking, projects assignment and guiding, Examination duties, management,

2. VMC(PTU) Centre Patiala   *Nov-2002 to 2004*

Subject Taught

C, C++, JAVA, Data Structure, VB6, VB.NET, ASP.NET, Operating System, Computer Fundamentals. Micro Processor, Oracle, Software Engineering , Digital Elect ,WEB Tech, System Analysis and Design, RDBMS, MIS

Other Responsibilities:

Training to staff, Paper checking, Projects assignment and guidance, Examination duties, Management,

3. Govt Sr. Sec. School Tripuri, Patiala   *Apr-2005 to June-2006*

Subject Taught

C, C++, Computer Fundamentals.

Other Responsibilities:

Paper checking, Examination duties

4. Guest Lecturer at Stat. Dept. Punjabi University Patiala   *June 2006 to June2011*

Subject Taught

C, C++, Oracle, Web Technologies

Other Responsibilities:

Paper checking, Examination duties

5. Assistant Professor , UCoE Punjabi University Patiala   *july2011to Nov 2011*

Subject Taught

Data Structure, VB6

Other Responsibilities:

Paper setting, Paper checking, Projects assignment and guidance, Examination duties

6. Assistant Professor , Department of computer engineering Punjabi University Patiala   *from Aug 2013*

Subject Taught

Data Structure, VB.NET, JAVA, Software Engineering, C,C++, MIS, SAD

Other Responsibilities:

Paper setting, Paper checking, Projects assignment and guidance, Examination duties

Technical Skills:

Programming Language: C, C++, Java, VB.Net, C#.Net

Back End: Oracle, SQL Server

Operating System: Windows, Linux

Web Based: ASP.Net, HTML, Java Script, VB Script etc

Animation Tools: Flash

Field Of Interest:

NLP (Natural Language Processing)

Algorithms

Publications:
In International Journals: 10
In International Conferences: 04

RESEARCH/PROJECTS AWARD/RECOGNITION

1. **Punjabi Pedia**: Website that contain information in Punjabi language.

2. **Language Identification and Conversion into its original Script**: Won First Prize in **Pushpa Gujral City[INNOTECH] march-2013**.

3. **Punjabi Typing tutor**: Launched by **Mr. Sukhbir Singh Badal & Dr Jaspal Singh(VC Punjabi Univ. Ptl.)** at Sarab Bharti Punjabi Conf. at Punjabi University.

4. **Punjabi Gyan**: Launched by **Mr. Parkash Singh Badal & Dr Jaspal Singh(VC Punjabi Univ. Ptl.)** in this year at Sarab Bharti Punjabi Conf. at Punjabi University. Won First Prize in **Pushpa Gujral City[INNOTECH] march-2012**

5. **Punjabi Unicode Font Converter**: We create this software for desktop and for web also. With this we can convert any font [178 Fonts] of Punjabi language in another font of Punjabi **without changing its content and formatting**, It can also convert

Punjabi Font into Unicode Based Punjabi Fonts[Like Raavi] and this software also convert Gurmukhi to Shamukhi .Won Second Prize in **Pushpa Gujral City[INNOTECH] march-2011**

6. <u>**Unicode Keyboard Layout Drivers:**</u> To Set Character mapping For various fonts of Punjabi language according to the choice of keyboard [Remington or Phonetic].

Personal Profile:

Name:	**Charanjiv Singh Saroa**
Gender:	**Male**
D.O,B.:	**11-dec-1977**
Father Name:	**Manjit Singh Saroa**
Mother Name:	**Baljit Kaur**
Linguistic Ability:	**English, Punjabi, Hindi**
Address:	**#3058, Phase 2, Urban Estate, Patiala 147002.**
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