

**Name** Dr. Jagroop Kaur  
**Designation:** Associate Professor,  
**Department:** Department of Computer Science and Engineering,  
 Punjabi University Patiala  
**Date of Birth:** 16-02-1980  
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**Academic Qualifications:**

Sr. No.	Course	University	Year of Passing	Thesis Title
1	B. Tech.	Punjab Technical University Jalandhar	2001	----
2	M. Tech. (CSE)	Punjabi University Patiala	2007	Document Based Question Answer System For Punjabi Language
3	Ph.D.	Punjabi University Patiala	2021	Development of a Technique for Normalizing Code mixed social media text from Roman to Gurmukhi script.

### Experience Details

Teaching Experience	:	20 Years
Research Experience	:	11 Years

### Appointment held prior to joining this institution

Designation	Name of Employer	Date of Joining		Salary with Grade	Reason for Leaving
		Joining	Leaving		
ASSISTANT PROFESSOR (STAGE 1)	Swami Sarvanand Giri Panjab University Regional Campus, Hoshiarpur	08-July-08	14-Sep-09	15600/- + 6000/-	Personal

## **Area of Specialization:**

**Natural Language Processing**  
**Information Processing**  
**Computer System Architecture**  
**Software Engineering**  
**Machine Learning**

## **System Developed**

A System is developed for normalizing code mixed social media text from Roman to Gurmukhi script. System is capable of handling code mixed social media text and normalizing it to canonical forms. System takes code mixed text in Roman script and converts it into Gurmukhi script.

## **Research Guidance**

<b>Registered Ph.D. Students:</b>	<b>3</b>
<b>Enrolled Ph.D. Students:</b>	<b>2</b>
<b>M.Tech Guidance:</b>	<b>15</b>

## **Publication**

- **Kaur, Jagroop**, Josan, Gurpreet Singh, English to Hindi Multi Modal Image Caption Translation, Journal of Scientific Research, 64, 2, 2020
- **Kaur, Jagroop** Singh, Jaswinder, Roman to Gurmukhi Social Media Text Normalization, International Journal of Intelligent Computing and Cybernetics, Emerald Publishing Limited, Vol. 13 No. 4, pp. 407-435. 2020
- Josan, Gurpreet Singh, **Kaur, Jagroop**, LSTM Network Based Malicious Domain Name Detection, International Journal of Engineering and Advanced Technology, 8, 6, 2019

- **Kaur, Jagroop** Singh, Jaswinder, Deep Neural Network Based Sentence Boundary Detection and End Marker Suggestion for Social Media Text, 2019 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), pp 292-295, 2019, IEEE
- **Kaur, Jagroop**, Josan, Gurpreet Singh, Personality Prediction From Facebook Posts In Gurmukhi Script, CSI Journal of Computing, 3, 3, 2017
- **Kaur, Jagroop**, Singh, Jaswinder, Toward Normalizing Romanized Gurumukhi Text from Social Media, Indian Journal of Science & Technology, 8, 27, 2015
- Kaur, Manpreet **Kaur, Jagroop**, Development Of Algorithm For Extracting Acronym Definitions From Gurmukhi Text, 2014
- Kaur, Mandeep, **Kaur, Jagroop**, Deadwood Detection and Elimination in Text Summarization for Punjabi Language, International Journal of Engineering Sciences, 8, June 2013
- Josan, Gurpreet Singh, **Kaur, Jagroop**, Punjabi to Hindi statistical machine transliteration, International Journal of Information Technology and Knowledge Management, 4, 2, 459-463, 2011
- Josan, Gurpreet Singh, **Kaur, Jagroop**, Development of Punjabi-Hindi Aligned Parallel Corpus from Web Using Machine Translation, Language in India, 10, 11, 2010
- Kaur, Amandeep, Josan, G, **Kaur, Jagroop**, Named entity recognition for Punjabi: A conditional random field approach, Proceedings of 7th international conference on Natural Language Processing ICON-09. Macmillan Publishers, India, 2009.