

## Dr. PROMILA BAHADUR

ASSOCIATE PROFESSOR  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
INSTITUTE OF ENGINEERING AND TECHNOLOGY,INDIA.



**OBJECTIVE:** To involve my talent in the development of the organization.

### 1. EDUCATIONAL QUALIFICATIONS:

#### Educational:

Class	Board/University	Grade	Year of Passing	Subject/Area
Ph.D(Computer Science and Engineering)	Uttarakhand Technical University	Awarded	2012	Natural Language Processing, Artificial Intelligence, Machine Translation

### 2. EXPERIENCE:

**Total Teaching experience: 17+ years**

**Total Industrial experience: 4 years**

Sl no	University/Organization	Designation	Date of Joining	Date of Leaving	Exp in years
1	Institute of Engineering & Technology	Associate Professor	10-02-2021	Till date	
2	Shree Ram Swaroop Memorial University, Lucknow, India	Associate Professor	Jan 2018	09-02-2021	3 years
3	Baba Sahab BhimRao Ambedkar University, Lucknow, UP	Guest Faculty	Aug 2017	May 2018	10 months
4	Maharishi University of Management, Iowa, United States	Assistant Professor	June 2015	June 2017	2 years
5	Rashtriya Sanskrit Sansthan(Deemed University)under Human Resource Development Ministry; Govt. of India	Assistant Professor	September 2012	May 2015	2.5 years
6	Amity University, Noida Campus	Assistant Professor	Feb 2010	May 2012	2.5 years
7	Amity University, Lucknow Campus	Assistant Professor	Feb 2007	Jan 2010	2.5 years

8	Rashtriya Sanskrit Sansthan(Deemed University)under Human Resource Development Ministry; Govt. of India	Assistant Professor	March 2004	Jan 2007	3 years
9	Inditure India Pvt	Technical Leader	April 2003	Feb 2004	1 year
10	Software Training Group(S.T.G)	Senior Faculty	July 2001	March 2003	2 years
11	Software Specialist Integrated (S.S.I)	Senior Faculty and Center Manager	May 2000	June 2001	1 years
12	British Oxygen Company	Software Engineer	May 1999	April 2000	1 year

#### 8. PROJECTS AWARDED

S.NO	TITLE OF THE PROJECT	FUNDING AGENCY	PROJECT COST	STATUS	REMARKS
1	Design and Development of software tools and technologies for Translation of Natural Language ; A special focus on English to Sanskrit language translation	Council of Science and Technology, U.P.	17,00,000/-	Ongoing	The project focuses on deliverables as software product and publication of Research work taken
2	Design and Development Of Framework for Translation Natural Languages along associated software tools	WOMEN SCIENTISTS SCHEME (WOS-A) Ministry of Science and Technology Department of Science and Technology	32,10,000/-	Likely to be accepted	

#### 9.PUBLICATIONS :

##### BOOK:

Title	Publisher	ISBN No.	Year of publication	Available at
Design and Development of English to Sanskrit Translator	Lambert Academic Publisher GmbH, Germany	978-3-659-97225-6	2016	Amazon

##### RESEARCH PAPERS:

S.N.	Title with page nos.	Journal/Conference	ISSN/ISBN No.	URL
01	Tools and Techniques for Machine Translation	Doctoral Symposium on Computational Intelligence 2021	<b>Under Publication</b>	
02	A detailed analysis of Word Sense Disambiguation Algorithms and Approaches to Indian Languages	Doctoral Symposium on Computational Intelligence 2021	<b>Under Publication</b>	
	Metaphorical Analysis of Serverless Computing Platforms And Related Challenges	Doctoral Symposium on Computational Intelligence 2021	<b>Under Publication</b>	
01	Multilingual Machine Translation-Generic Framework with Sanskrit Language as Interlingua 271-285	International Conference on Intelligent Computing and Smart Communication(ICSC-2019)- Algorithms for Intelligent Systems (AIS), Springer Nature	978-981-15-0632-1	<a href="https://www.springer.com/series/16171">https://www.springer.com/series/16171</a>
02	Targeting Multiple Language Translation	International Conference on Emerging Trends In Materials and Mechanical Engineering,2018		
03	Cyber Forensics-A Digitized Science Page Number 1025-1031	Science and Information Conference (SAI), 2015,IEEE	(ISBN:978-1-4673-7606-8/15)	IEEE Technically Co-Sponsored SAI Intelligent Systems Conference 2015, held in November 10 &11, 2015 at London, UK.
04	Architecture of English To Sanskrit Machine Translation Page Number 616-624	Science and Information Conference (SAI), 2015,IEEE	(ISBN:978-1-4673-7606-8/15) 00189219 Impact-9.107	IEEE Technically Co-Sponsored SAI Intelligent Systems Conference 2015, held in November 10 &11, 2015 at London, UK.

05	Machine Translation – A Journey Page number 187-195	Science and Information Conference (SAI), 2014,IEEE	(ISBN:978-0-9893-1933-1) 00189219 Impact-9.107	<a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6918189&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6918189">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6918189&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6918189</a>
06	Light on Machine Translation Literature Survey, Page number 01-08	International Journal of Computer Applications & Information Technology Vol. 4, Issue I October-November 2013	(ISSN: 2278-7720)	<a href="http://www.ijcait.com/IJCAIT/41/411.pdf">http://www.ijcait.com/IJCAIT/41/411.pdf</a>
07	English to Sanskrit Machine Translation-EtranS System Page number 53-61	International Journal of Computer Applications & Information Technology Vol. 3, Issue II Aug-September 2013	(ISSN: 2278-7720)	<a href="http://www.ijcait.com/IJCAIT/vol32.php">http://www.ijcait.com/IJCAIT/vol32.php</a>
08	EtranS-English to Sanskrit Machine Translation Page number 11-15	International Journal of Computer Application, Issue Number 12,2012 Published by Foundation of Computer Science, New York, USA	(ISSN: 2278-7720) 09528091 Journal No-1	<a href="http://ijcaonline.org/proceedings/icwet2012/number12/5400-1091">http://ijcaonline.org/proceedings/icwet2012/number12/5400-1091</a>
09	EtranS- A Complete Framework for English To Sanskrit Machine Translation Page number 52-59	International Journal of Computer Application, Special Issue on Selected Papers from International Conference & Workshop On Emerging Trends In Technology 2012	(ISSN: 2278-7720) 09528091 Journal No-1	<a href="http://thesai.org/Downloads/SpecialIssueNo4/Paper_7-EtranS-A_Complete_Framework_for_English_To_Sanskrit_Machine_Translation.pdf">http://thesai.org/Downloads/SpecialIssueNo4/Paper_7-EtranS-A_Complete_Framework_for_English_To_Sanskrit_Machine_Translation.pdf</a>
10	EtranS-English to Sanskrit Machine Translation Page number 11-15 Selected as Best Paper	ICWET 2012,ACM Digital Library, 2012,	ISBN: 978-93-80747-67-2 UGC serial No-24 ISSN-21576904 E-ISSN-21576912	<a href="http://ijcaonline.org/proceedings/icwet2012/number12/5400-1091">http://ijcaonline.org/proceedings/icwet2012/number12/5400-1091</a> Impact Facor-2.353

11	English to Sanskrit Machine Translation Page number 345-349	ICWET 2011, Bombay ACM Digital Library, 2011	ISBN: 978-1-4503-0449-8,10.1145/1980022.1980161 UGC serial No-24 ISSN-21576904 E-ISSN-21576912	<a href="http://dl.acm.org/citation.cfm?id=1980161">http://dl.acm.org/citation.cfm?id=1980161</a> Impact Factor-2.353
12	Computer Pollution-A Hazard to the Environment	University News, Mar 2006,ISSN-05662257.	<b>Environmental Education in india</b>	
13	Integration of Sanskrit and Computer, Promila Bahadur,	All India Oriental Conference, Nov'04.		

#### 10. WORKING EXPERIENCE (SOFTWARE)

**Operating System:** DOS 6.22, Unix, Linux 7.2, Windows X.  
**DBMS/RDBMS:** M.S Access, Sybase, Oracle 10.i, SQL Server 7.0.  
**Programming Language:** Java 8(lambda expressions, Stream API) , JEE technologies (Java Beans ,RMI,CORBA,EJB, JMS), .net Framework.  
**MS Office Package:** MS-Word, MS-Excel, MS-PowerPoint.  
**Web Technology:** Cold Fusion MX,JSP, Ajax, Web Services.  
**Software Modeling:** UML

#### 11. OTHER INFORMATION RELEVANT TO THE PROFESSION :

**A. Certification:** Sun certified Trainer for Core Java and JEE Technologies.

**B. Professional:** G.N.I.I.T (3years graduate level) course from N.I.I.T. in April 2000.

**C. Extra-Curricular Academic Activities-**

- i. Delivered Tech talk at Maharishi University Of Management on ‘Data Science and Machine Translation’
- ii. Paper reviewer for IEEE.
- iii. Selected as IBM Faculty Ambassador for promoting Inter University Software Development Competition.
- iv. visited various technical Institutes as **External Examiner** on the behalf of various Universities.
- v. Question **Paper Setter** for various universities.
- vi. Evaluation of answer sheet panel for various universities.

**D. Social Service /Services to community:**

- i. Felicitated by Govt. of India, Ministry of Communication & Information Technology in the year Mar’ 2015 for making around 2000 girls computer literate and catering rural masses with Government Service: e-Governance.
- ii. Hosting weekly radio show at local radio station on current issues at Iowa, US.
- iii. Invited as speaker to give talk on “Changing Lives through Social Entrepreneurship” at Fairfield Co. Lab at Fairfield, Iowa, US.
- iv. Contributing in organizing food camps for the community.
- v. Helping young children to take swimming lessons.

**E. Article/Contribution in Print Media:**

- a. Sanskrit and Computer, Promila Bahadur, national newspaper “Hindustan” ,7<sup>th</sup> of Nov 2004.
- b. What & Why ?Sun-ONE . Promila Bahadur .[www.maxutil.com](http://www.maxutil.com) ,3rd Apr 2001.
- c. Gearing Up with -Sun-ONE, Promila Bahadur, [www.maxutil.com](http://www.maxutil.com) , 3rd June 2001.
- d. Sanskrit Language & Computers- Under Publication- book. This book talks about the perfect symbiosis between Sanskrit and Computer like how Sanskrit A Dev-vani be useful for Computer.
- e. Modern Approaches of Sanskrit –Under Publication –book. This book explores the concepts of Sanskrit Language that are useful to Computers.

**F. Contributions in Electronic Media:**

- i. Computer Ki Duniya- Promila Bahadur -Presented and wrote script, aired at Lucknow Doordarshan from March 2004 till Feb’06.

- ii. Provided Technical Support and coordinated with technical teams from Lucknow Doordarshan and IET, Engineering College, Lucknow to successfully air 10 hour long Live Lok Sabha Election program in May 2004.

## 12. DETAILS OF SOFTWARE DEVELOPMENT/ LIVE INDUSTRIAL PROJECTS

### A. Web Based Projects (2+ Years)

i. **Project:** www.ddlucknow.com

**Organization:** Lucknow Doordarshan

**Technologies Used:** HTML, DHTML, CSS, XML, XSL, Cold Fusion MX, DreamWeaver MX

**Duration:** August 2004 till date

**Description:** The site provides information on Lucknow Doordarshan, which is state owned electronic media company telecasting television programs. My role is to provide consultancy to them for developing new features and supporting existing features for their web site. My role has involved in the following modules:

- To develop architecture for the site.
- To manage/display various information on this site. It includes displays under Visitors Gallery, their Notes, Archives, Movies scheduled, Cultural activities, Awards won, Achievements, Technological/Cultural Milestones, News and Updates.

ii. **Project:** www.icc-portal.com - (15 Months)

**Organization:** Inditure India Ltd(U S based Company)

**Technologies Used:** Cold Fusion MX, Dreamweaver MX, HTML, DHTML, CSS, XML, XSL, SQL Server 7.0, JavaScript

**Duration:** Apr 2003 to July 2004

**Description:** This website provides total solution to Insurance companies as well as to their Clients for managing Company offerings, client information and their credits. My role was to develop modules related to this, which included:

- Developing dynamic forms for showing customer's Insurance coverage.
- Developing Administrator pages to check various processes on total queries, total responses and queue management.
- Developing Message Boards for storing, managing and administering Customer Queries.

iii. **Project:** www.bigboysshop.com – (3 Months)

**Organization:** HalwasiyaInfosys

**Technologies Used:** Dreamweaver MX, Cold Fusion MX, HTML, DHTML, CSS, MySql, XML, XSL, JavaScript.

**Duration:** Feb 2003 to March 2003

**Description:** This website provides an online selling and purchasing of toys. My role was to build in the following features on this site:

- Login page for registered buyers and sellers.
- Posting requests to sell.
- Search options on various categories.

- Auction features including Reverse Auction.
- Providing various payment options for purchases.
- Integration of PayPal software for Secured Payment transactions.
- Ensuring delivery of items on successful payment transaction.
- Developing Administrator Page for placing ads, monitoring and administering transactions, addition of items for sale from sellers and removal of unsold items after a threshold date.

iv. **Project:** [www.tejaswani.com](http://www.tejaswani.com) – (3 Months)

**Organization:** Tejaswani India Pvt Ltd

**Technologies Used:** Dreamweaver MX, JavaScript, ASP 3.0, HTML, DHTML CSS, XML, XSL, SQLServer 7.0.

**Duration:** Nov 2002 to Jan 2003

**Description:** Website provides Company Information with all its areas of businesses, depots, sub-depots and associates. My role was to develop following features on the company site:

- Providing login pages for administrator and clients.
- Building features for administrator to manage information on web pages and to administer payment transactions.
- Information on how one can become a distributor.
- Regions available for taking distributorship.
- Price list of all company items.
- Displaying charity works done by the company.

v. **Project:** [www.maxutil.com](http://www.maxutil.com) – (2 Months)

**Organization:** Maxutil Pvt Ltd

**Technologies Used:** MS FrontPage, HTML, DHTML, CSS

**Duration:** Sep 2001 to Oct 2002

**Description:** This website provides company's profile, software developed, awards, achievements, vacancies etc. My role was to develop Static pages on Company Information, Product Information, Resource Center and Support.

vi. **Project:** [www.aakansha-textiles.com](http://www.aakansha-textiles.com) – (3 Months)

**Organization:** Akansha Textiles

**Technologies Used:** DreamWeaver, ASP 3.0, HTML, DHTML, CSS, MS-Access, Photoshop7.0.

**Duration:** June 2003 to Aug 2003

**Description:** The website was developed for a textile company. Features built to this site were:

- Company Profile including profiles for Directors, Consultants and Sister Companies.
- Inviting tenders for purchasing of machinery ,equipments and raw materials
- Job opportunities available with the company

vii. **Project:** [www.MarketIndia.com](http://www.MarketIndia.com) - (7 Months)

**Organization:** MarketIndia

**Technologies Used:** DreamWeaver 5.0, Javascript,ASP 3.0, HTML, DHTML, CSS, XML, XSL, SQLServer 7.0.



**Duration:** Nov 2002 to May 2003.

**Description:** This is a Chain Marketing Company, operating in the same lines as AmWay. My role was to develop following modules on this website:

- Login page for customers.
- Store and display information on customer links in the form of a tree.
- Calculate and display commissions and bonuses for all customers.
- Calculating members in a tree for each customer and upgrading customer status based on number of members under them.
- Manage information **on Gifts/Awards given to customers.**

## **B. Application Projects**

### **i. Project: Crime Record System Project- (12 Months)**

**Organization:** Microsoft Student Project

**Technologies Used:** Java, Oracle 8i.

**Duration:** Apr 2004 to Apr 2005

**Description:** This project Crime Record System aims to track regular crimes and primarily Computer Based /Web Based Crimes.

It envisions empowering State Police with a computerized crime tracking system specially **Cyber Crimes**. As Computers can be involved in crime.

- As a victim
- As a weapon
- As a record
- As a contraband

### **ii. Project: Inventory Management System - (9 Months)**

**Organization:** Easy Soft Solutions

**Technologies Used:** Java, Oracle 8i.

**Duration:** June 2004 to March 2005

**Description:** To Maintain details of inventory for Easy Soft Solutions.

### **iii. Project: Jewelry Package - (2 months)**

**Organization:** HalwasiyaInfosys

**Technologies Used:** VB 6.0, Ms-Access

**Duration:** Mar 2004 to May 2004

**Description:** To keep track of inflow & outflow of items in a jewelers store based in Germany with VB & Ms-Access Apart from maintaining the employee and customer details. The project was developed for Halwasiya Infosys.

### **iv. Project: Employee Performance Monitoring - (3 Months)**

**Organization:** Tejaswani India Pvt Ltd.

**Technologies Used:** VB6.0 with Oracle8.0

**Duration:** Oct 2003 to Dec 2003

**Description:** To give a clear picture of employee's performance & enable employees to understand objective to be achieved in future for Tejaswani India Pvt Ltd. To map employee performance daily using VB6.0 with Oracle8.0.

v. **Project: Shares Accounting - (3 Months)**

**Organization:** Maxutil India Pvt Ltd

**Technologies Used:** VC++, SQL Server 7.0

**Duration:** June 2002 to Aug 2002

**Description:** To automate share application for Maxutil India Pvt Ltd. Shares has been allotted to different categories like Residents, Non-Residents, Domestic Companies Foreign Companies with VC++ & SQL Server 7.0

vi. **Project: Inventory Control - (4 Months)**

**Organization:** Vaibhav Departmental Stores

**Technologies Used:** C++, Sybase

**Duration:** Feb 2001 to Apr 2001

**Description:** To keep track of inflow & outflow of goods for Vaibhav departmental store with C++ & Sybase.

vii. **Project: Payroll System - (2 Months)**

**Organization:** Market India

**Technologies Used:** MS-Access

**Duration:** Oct 1999 to Dec 1999

**Description:** To generate payroll of employees of Maxutil India Pvt Ltd company with MS-Access.

**References:** Available upon request.

**Declaration :** I hereby declare that the information given above is true to the best of my knowledge and belief. The academic references may be provided on the request.

Place  
Lucknow,India

(Dr.Promila Bahadur)