

# Sarang Pitale

## Education

- **Master of Technology in Computer Science and Engineering.**  
*Chattrapati Shivaji Institute of technology, Durg, INDIA.*
- **Bachelor of Engineering in Information Technology.**  
*Rungta College of Engineering and Technology, Bhilai, INDIA.*

## Working Experience

- **Assistant Professor at Information Technology Department, Bhilai Institute of Technology, Durg.**  
*2008 to current*
- **Lecturer at Information Technology Department, National Institute of Technology, Raipur.**  
*2007 to 2008*

## Certifications

- **DCS - D-Link Certified Specialist - Wireless v2.0**
- **D-Link Certified Trainer DCT-Switching**
- **IBM Certified Web Sphere Associate Developer**
- **IBM Certified DB2 Academic Associate**
- **BRAINBENCH Certified for Java2**
- **BRAINBENCH Certified for Computer Literacy**
- **Certified JAVA Programmer, SQL STAR INTERNATIONAL, Sun Microsystems Authorized Training Center.**

## Membership

- **Member of IACSIT (International Association of Computer Science and Information Technology).**  
*Member No.8033*
- **Member of IAENG (International Association of Engineers).**  
*Member No.114200*
- **Member of IAENG Society of Artificial Intelligence.**  
*Member No.114200*
- **Member of IAENG Society of Computer Science.**  
*Member No.114200*
- **Member of IAENG Society of Data Mining.**  
*Member No.114200*
- **Ex Associate Member of CSI (Computer Society of India).**  
*Member No. 01209580*
- **Ex Member of IEEE (Association for Institute of Electrical and Electronics Engineers).**  
*Member No. 91201860*
- **Ex. Member of IEEE ComSoc (Communications Society Chapter of IEEE Bombay Section).**  
*Member No. 91201860*
- **Ex. Member of ACM (Association for Computing Machinery).**  
*Member No. 0547664*

## Awards

- Awarded as *Young Scientist of Chhattisgarh* in *Engineering and Technology, Chhattisgarh 10th Young Scientists Congress*. Surguja University, Ambikapur. Sponsored by Chhattisgarh Council of Science and Technology, CCOST, Raipur, 2012.
- Awarded with *Special Mention award* in *CSI National Young IT Professional awards*, organized by Computer Society of India, 2013.

## Reviewer

- Appointed *Reviewer for 2016 Advanced Research in Electronic Engineering and Information Technology International Conference (AVAREIT'2016)*, Bali, Indonesia
- Appointed *Reviewer for ICOCOE 2015: 2nd International Conference on Communication and Computer Engineering*, 9–11 June 2015, Phuket, Thailand
- Appointed *Reviewer for 2015 International Conference on Engineering Management and Industrial Technology (ICEMIT2015)* Medan, Indonesia from on 8th– 10th of December 2015.
- Appointed *Reviewer for International Symposium on Technology Management and Emerging Technologies (ISTMET 2015)*, 25 – 27 August 2015 | Melaka, Malaysia
- Appointed as *member of technical program committee for WSCAR' 2015 (2015 World Symposium on Computer Applications & Research)*. 23-24 March, Crowne Plaza Rome St.Peters, Rome, Italy.
- Appointed as *member of technical program committee for 2015 International Conference on Computer Vision & Image Analysis ICCVIA' 2015*, January 18-20,2015 Sousse, Tunisia
- Appointed *Reviewer for IEEE International Conference on Computer, Communication, and Control Technology (I4CT'2015)*, Kuching, Sarawak from 21 - 23 April 2015
- Appointed as *member of technical program committee for International Conference on e-Quality & e-Service Sciences*, 24-25 Feb, 2015 in Dubai,UAE.
- Appointed *Reviewer for CSSR 2015 - 2nd International Conference on Science and Social Research*, 5-6 Oct 2015, Malaysia.
- Appointed *Reviewer for 2015 Advanced Research in Electrical and Electronic Engineering Technology (ARiEET2015)*, 24 – 26 November 2015 in Bandung, Indonesia
- Appointed as *member of technical program committee for ENCINS' 2015 (2015 IC Engineering & Computational Innovative Sciences)*. *ENCINS' 2015*, 20-23 April, in Casablanca, Morocco.
- Appointed *Reviewer for 2nd Advancement on Information Technology International Conference (ADVCIT 2015)*, 3-5 December 2015, in Deevana Plaza Krabi Aonang, Krabi, Thailand.
- Appointed *Reviewer for 2<sup>nd</sup> International Conference of Information and Communication Technology*, ICoICT 2014, in Grand Royal Panghegar Hotel Bandung, Indonesia, Singapore, 28-30 May 2014.
- Appointed *Reviewer for 2nd International Conference on Technology, Informatics, Management, Engineering and Environment* is organized by *the IEEE Indonesia Control Systems / Robotics and Automation Joint Societies Chapter*, TIME-E 2014,Trans Luxury Hotel Bandung, Indonesia, August 19-21, 2014.
- Appointed as *member of technical program committee* for *Global Summit on Computer & Information Technology,GSCIT*, in Sousse Tunisia, from 14-16 June 2014.
- Appointed *Reviewer for IEEE Colloquium on Humanities, Science and Engineering Research CHUSER 2014*, Hard Rock Hotel Penang Malaysia on the 7 to 9 April 2014.
- Appointed *Reviewer for International Colloquium on Sports Science, Exercise, Engineering & Technology ICoSSEET 2014*, Penang Malaysia from 7 to 9 April 2014.
- Appointed *Reviewer for International Conference on Computer, Communication, and Control Technology I4CT 2014*, Fave Hotel Cenang Beach in Langkawi, Kedah, Malesia, 2-4 Sept 2014.
- Appointed *Reviewer for International Conference on Industrial Electronics, Mechatronics, Automation, Computer Systems and Informatics IMACSI 2014*, Yogyakarta, Indonesia, 19-21 August 2014.
- Appointed *Reviewer for International Conference on Intelligent Autonomous Agents, Networks and Systems INAGENTSYS 2014*, Bandung, Indonesia,19-21 August 2014.

- Appointed *Reviewer for International Symposium on Research of Arts, Design and Humanities ISRADH 2014*, Sutura Beach Resort, Kota Kinabalu, Malaysia, 28th September to 1st October 2014.
- Appointed *Reviewer for 3<sup>rd</sup> International Conference on Machine Learning and Computing ICMLC 2011*, Singapore, February 26-28, 2011.
- Appointed *Reviewer for 3<sup>rd</sup> International Conference on Mechanical and Electrical Technology ICMET 2011*, Dalian, China, August 26-27, 2011.
- Appointed *Reviewer for IEEE Colloquium on Humanities, Science and Engineering. CHUSER 2012*, Kota Kinabalu, Sabah, Malaysia, December 3-4, 2012.
- Appointed *Reviewer for IEEE Symposium on Business, Engineering and Industrial Applications ISBEIA 2012*, Bandung, Indonesia, September 23-26, 2012.
- Appointed *Reviewer for IEEE Student Conference on Research and Development SCORED 2012*, Park royal Resort Hotel, Penang, Malaysia, December 5 -6, 2012.
- Appointed *Reviewer for IEEE Symposium on Industrial Electronics & Applications, ISIEA 2012*, Hyatt Regency Hotel, Bandung, Indonesia on 23 – 26 September 2012.
- Appointed *Reviewer for IEEE Symposium on Business, Engineering and Industrial Applications ISBEIA2013*. Hotel Pullman Kuching, Malaysia from 22 - 25 September 2013.
- Appointed *Reviewer for IEEE Symposium on Humanities, Science and Engineering SHUSER 2013*. Hard Rock Hotel Penang, Penang World Heritage City, Malaysia on 23 – 25 June 2013.
- Appointed *Reviewer for IEEE Symposium on Industrial Electronics & Applications ISIEA 2013*, Pullman Kuching Hotel, Kuching, Malaysia from September 22 to September 25, 2013.
- Appointed *Reviewer for International Civil and Infrastructure Engineering Conference 2013, InCIEC 2013*. 22 to 24 September 2013, Kuching, Sarawak Malaysia.
- Appointed *Reviewer for International Conference of Information and Communication Technology*, The Trans Luxury Hotel in Bandung, Indonesia. 20-22 March 2013.
- Appointed *Reviewer for International Conference on Technology, Informatics, Management, Engineering & Environment, TIME-E 2013*, Hyatt Regency Bandung Hotel, in Bandung, Indonesia, 23-26 June 2013. Publications

## Activities

- Member of *CCF, Central computing Facilities* of Bhilai Institute of Technology
- Member of *Vigilance team* of Bhilai Institute of Technology
- Member of *BITCON* Organizing Team
- Organizer of *Spoken Tutorial* project at Information Technology Department, BIT
- Member of *e-Yantra* Team of Bhilai Institute of Technology.

## Publications

- *Front Index extraction from research documents using Meta-Content Framework*, *Indian Journal of Education and Information Management*, Vol. 1, No. 7 (July 2012), pp-301-305.
- *Chapter extraction from research documents using Meta-Content Framework*, *International Journal of Engineering and Advanced Technology (IJEAT)*, Volume-1, Issue-5, June 2012, pp-337-339.
- *Meta-Content framework for back index generation*, *International Journal on Computer Science and Engineering (IJCSSE)*, Vol. 4 No. 04 April 2012, pp-627-633.
- *Information Extraction tools for portable document format*, *International journal of computer technology and applications*, Vol2 (6), pp-2047-2051.
- *Meta content Framework for Mobile Digital Library*, *International Conference on Internet Computing and Information Communications 2012*, held at Chennai, India, from 27-28 July 2012.
- *Mobile Digital Library for Android*, in the proceedings of national conference VIMARSH 2013 sponsored by CGCOST and organised by Chouksey Engineering College, Bilaspur, India, 12-13 September 2013.

- **Knowledge acquisition in Rural Areas using Mobile Knowledge Library**, in the proceedings of CCOST sponsored National conference on Advanced Computer Applications on Rural Development (ACARD-2013) held at Bhilai Institute of Technology, Durg from 8-9 March-2013.
- **Bhilai Institute of Technology Durg at TAC 2010: Knowledge Base Population Task Challenge. In the Proceedings of Third Text Analysis Conference (TAC 2010)**. November 15-16, 2010, National Institute of Standards and Technology, Gaithersburg, Maryland, USA.
- **Role of Exact Page Accessions for Determining Text Relevance Measures**, International Journal of Information Processing, 4(4), 79-86, 2010 ISSN : 0973-8215, IK International Publishing House Pvt. Ltd., New Delhi, India.
- **FASAL: Farmers Automatic Crop Selling Machine**. In the Proceedings of International Conference on E- Governance, ICEG2010, IIM Bangalore, INDIA. 2010.
- **Generation of Dynamic Patterns for recognizing authenticated users**. In the Proceedings of International Conference on Advance Computing and Creating Entrepreneurs ICOACCE'10. Udaipur, INDIA. 2010.
- **Role of Exact Page Accessions for Determining Text Relevance Measure**. In the proceedings of International Conference on Information Processing, ICIP Bangalore, INDIA, 2009.
- **Rich Internet Applications** . In the proceedings of National Conference Techno vision 2007 SSCET, INDIA 2007.
- **Dynamic Password Generation Technique** . In the proceedings of National Conference BITCON-08 BIT, INDIA
- **Lightweight and Flexible Internet Applications** . In the proceedings of National Conference BITCON-08 BIT, INDIA.

## Workshops, Trainings & Seminars

- **Worked as Teaching Assistant in Two week ISTE WORKSHOP on Database Management Systems, Conducted by Indian Institute of Technology, Bombay**, from 21-31 May, 2013. The workshop was held under the National Mission on Education through ICT(MHRD).
- **Two day ISTE Workshop on Aakash for Education, conducted by Indian Institute of Technology, Bombay**, from 10-11 November, 2012.
- **Workshop on Open Source Software. Organized by Department of Computer Science, BIT, DURG**, 07-08 December 2010.
- **Workshop on Work Culture of the Organization. Organized by Department of Computer Science, BIT, DURG**, 23-24 December 2010.
- **Workshop on Digital Image Processing. Organized by Department of Electronics and Telecommunication Engineering, BIT, DURG**, 14-15 December 2010.
- **International Seminar on Future Internet And Workshop On Common Hacking Techniques & Network Security**. Organized by MATS School of Information Technology, MATS University, Raipur, 13th March, 2011.
- **One-day Workshop on Research Methodology Of Engineering And Technology** .organized by Department of Mechanical Engineering, Bhilai Institute of Technology, Durg on 25th September 2008.
- **Short Term Training Program on Data Structures, Algorithms And Complexity organized by Department of Computer Applications**, Bhilai Institute of Technology, Durg from 26th – 27th September 2008.
- **Two day Workshop on Advanced Linux Administration And Networking, organized by MPC CET**. From 21/11/09 to 22/11/09.
- **Staff Development Program on Digital Image Processing**. Approved by AICTE, Conducted by CSIT, Durg, 2011.

## Sponsored and Research Projects

- **Quizoid**
  - **Description:** Android application for online test conduction
  - **Technology Used:** Android, Php, mySql, Linux
- **Cookie based web usage mining**
  - **Description:** A research project used to simplify usage experience of a website
  - **Technology Used:** Php.
- **MCFE- Meta-Content Framework for e-books.**
  - **Description:** A research project used to generate Meta information for e-books
  - **Technology Used:** Java, Php.

- **TAC2009, 2010- Text Analysis Conference**
  - **Description:** Conducted by: National Institute of Standards and Technology (NIST) .The National Institute of Standards and Technology (NIST) is an agency of the U.S. Commerce Department. The Text Analysis Conference (TAC) is a series of evaluation workshops organized to encourage research in Natural Language Processing and related applications, by providing a large test collection, common evaluation procedures, and a forum for organizations to share their results.
  - **Technology Used:** Java
- **dsarang.com**
  - **Description:** A web site for *personal portfolio*.
  - **Technology used** -Php, mySql, Linux.
- **Class Test Analysis Tool**
  - **Description:** Web based Project for *Bhilai Institute of Technology*
  - **Use:** Automation of Class Test conduction process
  - **Technology Used:** Php, mySql, Linux
- **nkharya.com**
  - **Description:** Web based Project for *Dhanvridhi Investments*
  - **Use:** Automation of Investment process
  - **Technology Used:** Php, mySql, Linux
- **Attendance Management System**
  - **Description:** Web based Project for *Bhilai Institute of Technology*
  - **Use:** Managing attendance analysis process
  - **Technology Used:** Php, mySql, Linux
- **seuintuchhilai.org**
  - **Description:** Web based application for Sail Employee Union INTUC, Bhilai
  - **Use:** Information delivery and cultural event handling for community
  - **Technology Used:** Php, mySql, Linux
- **refuellife.com**
  - **Description:** Web based Project open to all
  - **Use:** Managing and providing blood donors as per the requirement
  - **Technology Used:** Php, mySql, Linux
- **Gate pass Generation System**
  - **Description:** Web based project for *Bhilai Steel Plant*
  - **Use:** Gate passes Generation for visitors
  - **Technology use:** Php, mySql, Linux
- **Training management System**
  - **Description:** Web based project for *Bhilai Institute of Technology*
  - **Use:** Automation of conduction and analysis of training process
  - **Technology Used:** Php, mySql, Linux
- **Student Ranking System**
  - **Description:** Web based project for *Bhilai Institute of Technology*
  - **Use:** Ranking of students based on various activities
  - **Technology Used:** Php, mySql, Linux
- **Equipment management System**
  - **Description:** Web based project for *Jawaharlal Nehru Hospital and Research Center, Sector-9, Bhilai*
  - **Use:** Management of medical equipments
  - **Technology used:** Php, mySql, Linux
- **Lecturer Support System**
  - **Description:** Web based project for *Bhilai Institute of Technology*.
  - **Use:** Automation of leave application process.
  - **Technology Used:** Php, mySql, Linux.
- **Leave Management System**
  - **Description:** Web based project for *Bhilai Institute of Technology*.
  - **Use:** Automation of leave application process.
  - **Technology Used-** Php, mySql, Linux.
- **Tour management System.**
  - **Description:** Web based project for *Bhilai Steel Plant*,
  - **Use:** Tour Information and application Management for employees.
  - **Technology used:** Php, mySql, Linux.

- **cgeportal.com.**
  - **Description:** A web based portal for technical students of Chhattisgarh.
  - **Use:** Exchanging e-notes, e-question papers etc.
  - **Technology used:** *Php, mySql, Linux.*
  
- **SAS Student Appraisal System.**
  - **Description:** A web application for Bhilai Institute of Technology.
  - **Use:** Total analysis of student from starting to end of the college session.
  - **Technology used:** *.Net, SQL Server.*

## Research Interest

My current research interests revolve around Data Mining, Digital Image Processing, Web Technology, Embedded Systems (Robotics), Wireless Networks, Language Translators, Human Machine Interface.

## References

### **Dr. Shrish Verma**

Head Of Deptt.  
National Institute Of Technology  
Raipur,C.G,India

### **Dr.(Mrs). Ani Thomas**

Professor and Head, IT  
Bhilai Institute Of Technology  
Durg,C.G,India

### **Dr.(Mrs). Arpana Rawal**

Professor C.S.E  
Bhilai Institute Of Technology  
Durg,C.G,India

### **Dr. (Mrs). M.V. Padmavati**

Professor and Head, CSE  
Bhilai Institute of Technology,  
Durg C.G,India

### **Dr. Sipi Dubey**

Dean  
R.C.E.T  
Durg,C.G,India

### **Ms.Dipti Dubey**

Head of Deptt.  
Computer Science  
C.S.I.T, Durg,C.G,India