# SRES', Sanjivani College of Engineering, Kopargaon

### (An Autonomous Institute affiliated to SPPU, Pune)

## Staff Profile

| Personal Information | |
|---|---|
| **Name of Teaching Staff:  Dr. B. J. Dange** | |
| **Designation:  Associate Professor** | |
| **Department :  Computer Engineering** | |
| **Date of joining : 06-July-2007** | |
| **E Mail  ID :** | **dangebapusaheb@sanjivani.org.in** |
| **Contact No:** | **9604146122** |

| Education Details | | | |
|---|---|---|---|
| **Qualification** | **Specialization with Class or Grade** | **University** | **Year** |
| **UG** | **Computer Engg (First Class)** | **SPPU Pune** | **2004** |
| **PG** | **Computer Engg (Distinction)** | **SPPU Pune** | **2016** |
| **Ph.D** | **CSE** | **Shri JJT University Rajasthan** | **2021** |

| Total experience in years: | |
|---|---|
| **Teaching:** | **17 years** |
| **Industry:** | **-** |

### Research and Publications

1. Gadekar Ganesh Bhivsen, Udayabhanu N P G, Dange Bapusaheb Jalindar , Vengatesan K, Abhishek Kumar, "Cyber-Attacks Detection Using NovelIDDMS Framework", Advances in Parallel Computing (IOS Press),March 2020.pp.109-113, doi: 10.3233/APC20035. [click here]

2. B.J.Dange, S K Yadav, D B Kshirsagar, "Capturing User Intention To Enhance Image Retrieval And Re-Ranking Efficiency Using One Click Image Search", Advances in Parallel Computing (IOS Press), March 2020, pp.206-212, doi:10.3233/APC200143. [click here]

3.  B. J. Dange, S. K. Yadav and D. B. Kshirsagar, "Enhancing Image Retrieval and Re-ranking Efficiency using Hybrid approach," 2020 International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), AURANGABAD, 2020, pp. 20-26, doi: 10.1109/ICSIDEMPC49020.2020.9299579. [click here]

4.  B. J. Dange and D. B. Kshirsagar, "Hashing based re-ranking of web images using query-specific semantic signatures," 2017 1st International Conference on Intelligent Systems and Information Management (ICISIM), Aurangabad, 2017, pp. 164-170, doi: 10.1109/ICISIM.2017.8122168. [click here]

5.  H.E. Khodke, A.V. Brahmane, B.J.Dange, S.N.Gunjal, S.R. Deshmukh," A New Approach of Patteren Matching and Analysis for handwritten Digits-Using Gradient Descent Back Propagation With Adaptive Learing",CiiT,Volume 9,NO 5 2017 pp.81-85. [click here]

6.  A.V. Brahmane, B.J.Dange, S.N.Gunjal, S.R. Deshmukh, H. E. Khodke, **"**A Research on Intrusion Detection Methods for Distributing Computing Environment", IJIACS ISSN 2347 – 8616 Volume 6, Issue 5 May 2017.

7.  Mr.B.J.Dange,Prof.D.B.Kshirsagar," A Survey of Various Image Retrieval and Re-ranking Methods to Search Web Images", International Journal Of Advance Research And In-novative Ideas In Education (IJARIIE) ,Volume 1 - Issue 4. (2015) Page 486-489. [click here]

8.  S.N.Gunjal,B.J.Dange,A.V.Brahmane,"A Novel Ontology based R&D Project proposal classification using text mining approach"IJCA(0975-8887) Volume 108,NO-4,December 2014.pp 23-28. DOI-10.5120/18900-0191.[click here]

9.  Mr.Bapusaheb Dange,Mr Anil Brahmane,Mr Sandip Shivarkar,"DRISHTI –A Cost Effective Braille Printer",IJECSCSE,ISBN No.978-81-926080-0-6/22-24 Feb 2013,pp 49-53.ISSN-2277-9477 [click here]

10. Prof B.J.Dange, Prof.A.V.Brahmane,Prof S.N.Gunjal.Article:Data Migration System for heterogenous databases.IJRSI,Volume I Issue III,August 2014,pp-51-55.ISSN-2321-2705. [click here]

| |
|---|
| 11. Mr.S.N.Gunjal,Prof B.J.Dange,Prof A.V. Brahmane, "Offline signature Verification using Feature point extraction",IJCA May 2016,ISBN-973-93-80893-16-0,DOI-10.5120/ijca2016909852. [click here]<br><br>12. Shivarkar Sandip A., Muzumdar Ajit A. and Dange Bapusaheb J.. Article: An Improved Approach for Signature and Anomaly based Intrusion Detection and Prevention. *IJCA Proceedings on International Conference in Computational Intelligence (ICCIA2012)* iccia(8):-, March 2012. Published by Foundation of Computer Science, New York, USA.ISBN-978-93-80866-66-3. [click here] |

**Papers presented in conferences:**

1. Paper Presented in Fifth Postgraduate Conference of Computer Engineering cPGCON 2016 held during 25th -26th March 2016 at PCCOE, Pune.

2. Paper Presented in 1st IEEE and CSI sponsored International Conference on Intelligent Systems and Information Management (ICISIM-2017) organized by Department of Computer science and engineering and Information Technology, MGM's JNEC, Aurangabad, 5th-6th October 2017.

3. Paper Presented in IEEE Sponsored International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC-2020) held at MGM's Jawaharlal Nehru Engineering College Aurangabad, Maharashtra, India, 30-31 October 2020.

4. Paper Presented in International Conference on Emerging Current Trends in Computing and Expert Technology (COMET2020), Organized by Panimalar Engineering College, Chennai, Tamil Nadu, India, 6th -8th  March 2020.

| Research Profile URL | |
|---|---|
| **Google Scholar** | https://scholar.google.com/citations?user=Cook_OkAAAAJ&hl=en |
| **Scopus** | https://www.scopus.com/authid/detail.uri?authorId=57201154380 |
| **Orcid** | https://orcid.org/0000-0002-5486-802X |
| **Other Research Details** | |

| Ph D Guide ?Give field & University: | -- |
|---|---|
| **Ph Ds/ Projects Guided:** | 1. Defense in-depth to achieve unbreakable database security. |
| | 2. Collusive piracy prevention in P2P content delivery network for Digital Library System |
| | 3. DRISHTI- A cost effective Braille printer |
| | 4. Image transfer protocol(ITP) |
| | 5. Composite Mail Server |
| | 6. An Intelligent Automation system |
| | 7. Web data extraction |
| | 8. Gurukul-Educational organization management system |
| | 9. Data leakage detection for digital library |
| | 10. Real time hand gesture recognition of deaf and dumb |
| | 11. Remote desktop access using Android platform |
| | 12. Dynamic query forms for database queries. |
| | 13. Association rule mining for preserving privacy in retail industries. |
| | 14. Shop and Save: Android Shopping Application |
| | 15. Predicting College Failure and Dropout by Using Data Mining Techniques |
| | 16. Arogyamme Intelligent Healthcare System |
| | 17. Hindi Language Graphical User Interface to database Management System |
| | 18. Smart E-Hospital System |
| | 19. Dynamic Facet Ordering for faceted product search engines in E-Commerce Application |

| | |
|---|---|
| | 20. "CompDept- Android based smart department information system"<br><br>21. Automatic Video Summarization for sport match highlights generation using CNN<br><br>22. Natural Language to Structured Query Language through Speech Recognition for Banking Kiosks<br><br>23. Queue Management System using IoT<br><br>24. Analysis and Prediction of Diabetes Complication Disease |
| **Books Published** | --- |
| **IPRs/Patents** | Date of filing of Application: 16/06/2020<br><br>Application No. 202041025334<br><br>Publication Date: 19/06/2020<br><br>Title of the invention Mobility assisted Ota working out for backscatter sensor networks using Machine Learning. [Click Here] |
| **Professional Memberships:** | CSI, ISTE |
| **Interaction with professional institutions** | --- |

<div align="center"><span style="color:red">**Consultancy Activities**</span></div>

| Duration (From- To) | | Title of Activity | Issued Organization | Amount |
|---|---|---|---|---|
| Aug 2018 | Feb 2019 | Development of material movement software | Dhruvtara Wiretech Pvt Ltd | Rs. 25000 |

<div align="center"><span style="color:red">**Grants fetched**</span></div>

| Duration (From- To) | | Title | Issued Organization | Amount |
|---|---|---|---|---|
| | | | | |

<div align="center"><span style="color:red">**Awards**</span></div>

1. **"Smart card for R.T.O. license"**, Got second prize in CSI Project competition 2004 organized by Computer Society of India at K. K. Wagh College of Engineering, Nashik (MS) India  for final year project.
2. **"CSI Academic Excellence Award"** By Computer Society of India, Nashik Chapter on 10th March 2017.
3. **Best paper award** in IEEE Sponsored International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC-2020) held at MGM's Jawaharlal Nehru Engineering College Aurangabad, Maharashtra, India, 30-31 October 2020.

<div align="center"><span style="color:red">**FACULTY DEVELOPMENT PROGRAMMES  ATTENDED**</span></div>

| Name of the FDP / Workshop | Organization | Duration | Month-Year |
|---|---|---|---|
| Cyber Security and Incident Analysis: A Practical and Investigative approach | Andhra University College of Engineering | 1 week | July 2021 |
| Recent Trends in Computations | Department of Computer Engineering, VIT, Pune | 1 week | July 2021 |
| Emerging Challenges in Cyber Security | Govind Ballabh Pant Engineering College, Delhi | 1 week | October 2021 |
| Cyber forensics and Cyber Security | Yeshwantrao Chavan College of Engineering, Nagpur | 1 week | December 2021 |
| Universal Human Values in Education | Sanjivani College of Engineering, Kopargaon | 1 week | June 2021 |
| Social, Media, Analytics and Cloud (SMAC) | Department of Information Technology, VIIT,Kondhwa,Pune | 1 week | April 2021 |
| Cyber Security | Sanjivani College of Engineering, Kopargaon | 1 week | February 2021 |

| | | | |
|---|---|---|---|
| Quantum Computing | Department of Computer Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik, Maharashtra | 1 week | February 2021 |
| Blockchain Technology and Crypto Currency | Sanjivani College of Engineering, Kopargaon, Maharashtra, | 1 week | November 2020 |
| Cyber Security | National Institute of Technology, Nagaland | 1 week | October 2020 |
| Data Sciences | K.E. Society's Rajarambapu Institute of Technology, Rajarampur, | 1 week | September 2020 |
| AI and Data Science | JSPM's Rajarshi Shahu College of Engineering, Pune | 1 week | July 2020 |
| Multiprogramming with OpenMP and CUDA | Department of Information Technology, Pune Institute of Technology, Pune | 1 week | June 2020 |
| Python 3.4.3 | MET's Institute of Engineering, Nashik | 1 week | April 2020 |
| R- Programming | SKN Sinhgad College of Engineering, Pandharpur | 1 week | May 2020 |
| Security and Privacy | Department of Computer Science and Engineering, NIT Warangal | 1 week | December 2018 |
| Cyber Security | SNJB College of Engineering,Chandwad | 1 week | November 2019 |

| Wireless Network and Mobile Computing(WMC2016) | Department of Computer Engineering of SVNIT, Surat | 1 week | May 2016 |
|---|---|---|---|

### FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

| Name of the FDP / Workshop | Organization | Duration | Month-Year | Capacity |
|---|---|---|---|---|
| | | | | |

### INVITED LECTURES IN CONFERENCE/SEMINAR

| Title of Lecture/ Academic Session | Title of Conference/ Seminar etc. | Organized By |
|---|---|---|
| | | |
| | | |

| OTHER  Professional URLs | |
|---|---|
| **Personal Website** | |
| **Linked In Profile** | **https://www.linkedin.com/in/dr-bapu-dange-081a291b/** |
| **GitHub URL** | **https://github.com/bapudange** |
| **YouTube Channel** | **https://www.youtube.com/channel/UCW5YrN7H-2Xy13GGjUH-6zQ** |
| **Other** | |

**Any Other:Reviewer for Indian Journal of Science and Technology(IJST)**

1. **Reviewer for International Journal of Creative Research Thoughts(IJCRT)**