

Faculty Profile

I am Deepika Dash, working as an Assistant Professor in the Department of Computer Science and Engineering at RV College of Engineering (RVCE), Bengaluru, India. I have been a part of RVCE since 2014. Prior to joining RVCE, I worked as a lecturer, in various engineering colleges. My primary research interests are in the areas of parallel Programming, Blockchain and compiler optimization.

Faculty Photo

April

Personal Information

- **Name:** Deepika Dash
- **Designation:** [Assistant Professor]
- **Department:** [Computer Science & Engineering]
- **Email:** [deepikadash@rvce.edu.in]
- **Phone:** [8867317293]

Google Scholar / ResearchGate /

LinkedIn: https://scholar.google.com/citations?view_op=search_authors&mauthors=deepika+dash&hl=en&oi=ao / ORCID: <https://orcid.org/0000-0001-5692-0410>

Domain of Expertise

Research Focus

- **Primary Area:** High Performance Computing
- **Allied Areas:** Parallel Programming, Compiler Design, Computer Architecture

Academic Qualifications

- **Ph.D.:** Pursuing [VTU]
- **M.Tech:** [Information & Communication technology], [IIT Kharagpur], [2013]
- **B.E./B.Tech:** [Computer Science & Engineering], [BPUT, Odisha], [2008]

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Jagannath Institute for Technology and Management	Lecturer	1 st Dec 2008 to 1 st Oct 2012
2.	College of Engineering Bhubaneswar	Lecturer	1 st Feb 2013 to 15 th April 2013

Publications & Patents

Journal Publications

1. "Automatic Parallelization using Open MP Directives" authored by 'Deepika Dash, Anala M R' ISSN:2278-3075 (Online), Volume-8 Issue-11, September 2019, Page No. 4059-4063.
2. "Framework for Automatic Parallelization", authored by Anala M R, Deepika Dash 978-1-7281-0114-9/18/\$31.00 ©2018 IEEE DOI 10.1109/HiPCW.2018.00026
3. "Data Analytics in the Oil and Gas Industry" by Brahmotri Parida, Shamreen, Arunachalam suresh, Deepika Dash ISSN 2321 3361 © 2019 IJESC, Volume 8 Issue N.6
4. "Real-Time Cloud Monitoring Solution Using Prometheus Tool and Predictive Analysis using Arima Model", Monika.K .A Arun.V, Deepika Dash, ISSN 2321 3361 © 2018 IJESC, Volume 8 Issue No.6
5. "Secure Transaction of MIFARE Cards using NFC Technology".Tejaswini P Chinde, Deepika Dash ISSN (Online): 2319-7064 Index Copernicus Value (2015): 78.96 | Impact Factor (2015): 6.391

CONFERENCE / WORKSHOP / FDP PROGRAM/NPTEL

1. Successfully completed an AICTE approved Four Week FDP conducted by IIT Bombay on – "Use of ICT in Education for Online and Blended Learning" and received "Certificate of Excellence".
2. Successfully completed 12 weeks NPTEL course on "Compiler Design" from Jan-Apr 2019.
3. Successfully completed NPTEL Certification course on "Outcome Based Education for Effective Teaching Learning process".
4. Attended Online FDP on Moodle & its Features for Teaching Learning and Evaluation Process arranged by R V College of Engineering from 27th July 2020 to 31st July 2020.
5. Participated in Technical Training Program on Embedded systems and programs conducted by IETE-Mumbai from 13th July 2020 to 17th July 2020.
6. Attended 25th IEEE Conference on High performance computing from 17th Dec to 20th Dec 2018.
7. Presented a paper in HiPCW-2018 on 18th Dec 2018
8. Attended five days workshop on "Think Parallel : Introduction to Parallel Programming" Conducted by C-DAC, Bangalore from 17th July 2017 to 23rd July 2017.
9. Worked as a Co-ordinator in conducting workshop on "Internet of Things: Sensors to Cloud Analytics" jointly organized by Dept.of CSE & ISE of RVCE held from 18th to 23rd July 2016
10. Worked as a Technical Committee member in IEEE sponsored International Conference on "Computational System and Information Technology for Sustainable Solution [CSITSS 2016]", jointly organized by the Dept. of CSE, ISE and MCA, R.V.C.E held from 6th to 8th Oct,2016.
11. Worked as a coordinator in HPE day organized by Dept.of CSE on 20th Feb 2018..
12. Organized a workshop on LLVM for 6th Semester Students on 4th Apr 2019
13. Arranged a talk on "Machine Learning on the Edge Devices" for 3rd semester Students on 18th Oct 2019.
14. Worked as faculty coordinator for WIRIN project named "Web Based Annotation for driverless Vehicle" from July 2019 to March 2020

Teaching

Core Courses:

1. Compiler Design (CS363AI)

2. Cryptography & Network Security (CS365TDF)

Advanced/Lab Courses:

- Compiler Design Lab
- IOT & Embedded System Lab

Professional Roles

Responsibilities

- **Academic:** Worked as an Examination coordinator from Aug 2018 to Dec 2024.