

DIVYA M S

Asst. Professor

Department of IS&E

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Work Experience: 4 Years

- Working as an Assistant Professor in IS&E Department of Bapuji Institute of Engineering and Technology, Davanagere, from November 2020.
- Worked as a Teaching Assistant in the Department of studies and research in Computer Science at Davanagere University.

Educational Qualification:

- M.Tech [CS&E] from BIET, Davangere, VTU University, 2017 with First Class with Distinction.
- B.E [CS&E] from BIET, Davangere, VTU University, 2015 with First Class.

Dissertation Details:

- **“Network Traffic Analysis for Intrusion Detection System”.**

Description: Duplicate and absurd feature contained in the dataset causes the critical problem in network traffic and also fails in providing accurate results. The proposed system uses two feature selection algorithms for selecting the required and relevant features in the dataset namely FMIFS and FLCFS.

- **Chromatic Password System–A Novel Method to Avoid Shoulder Surfing Attack**

Description: This project is about prevention of Shoulder Surfing Attack, since Conventional password schemes are vulnerable to shoulder surfing; we proposed an improved text-based shoulder surfing resistant chromatic password scheme by using colors. In the proposed scheme, the user can easily and efficiently login to the system.

Core Subjects Taught:

- Data Mining and Warehousing.
- C++
- Java
- Artificial Intelligence and machine Learning
- Digital Image Processing
- Operating System

Paper Publication:

- “Analysis of Classification Techniques for Intrusion Detection System”, in International Journal of Advance Research in Computer and Communication Engineering (IJARCCE) on July 2017, Volume 6, Issue 7. DOI: <http://10.17148/IJARCCE.2017.6748>
- “Lossless Compression of Text Document Using Huffman, Run Length and Lempel-Ziv Welch Coding Algorithms”, in International Journal of Computer Science and Mobile Computing (IJCSMC) on March 2020, Volume 9, Issue 3.
- “Chromatic password System – A Novel Method to avoid Shoulder Surfing Attack”, in International Journal of Creative Research Thoughts (IJCRT) on May 2020, Volume 8, Issue 5.
 - DOI: <http://doi.one/10.1729/Journal.23623>
- “Smart Education System–A Novel Method to Learn from Home Using Mobile Device”, in International Journal for Research and Development in Technology (IJRDT) on May 2020, Volume 13, Issue 5.
- “Identifying Pandemic Disease Infected Persons Using GPS and Aadhar Link” in International Journal for Innovative Research in Multidisciplinary Field (IJIRMF) on June 2020, Volume 6, Issue 6.

- “YOLO Algorithm: To Recognize Real Time Vision and Audio” in IJARESM on May 2021, Volume 9, Issue 5.
- “Evaluation of Activation Functions Based on Their Performances”, in Journal of Huazhong University of Science and Technology on April 2021, Volume 50, Issue 4.
- “Food Serving Robot for Contactless Experience” in International Journal of Innovative Research in Computer Science and Technology (IJIRCST) on May 2022, Volume 10, Issue 3.

NBA Activity:

CRITERIA 2 Team Member

Seminars/Workshop attended:

- Attended short course on Introduction to Big Data & Analytics and Cloud Computing, International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT).
- Successfully undergone a Bluemix Enabled session.
- Attended workshop organized by IBM Rational Team Concert (RTC) Academic Associate. EMC Academic Associate, Information Storage and Management
- Participated in 5 days FDP on Microsoft Power BI Data Analyst Associate conducted by ICT Academy at BIET, Davanagere.
- **Seminars on the topic of:** Internet of Things (IoT) , PRISMA Cloud.

Extra/Co-curricular Activities:

- Student Counselor for UG students.
- College Digital Team Member.