



Dr. B. Udayabalan

Associate Professor

DEPARTMENT OF ISE

PROFILE

- Dedicated & Committed Faculty in Department of ISE, with 17 years of experience in teaching UG & PG Students.
- Subjects Handled: FOC, Object Oriented Programming Language, C, Principle of Compiler Design, OS, Data Structures, Unix system Programming, software Engineering, Computer Architecture, The Design and Analysis of Algorithm and etc.
- Skills: Good Organiser & a good communicator/Speaker

CONTACT & LINKS

Email ID:

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Skype:

Udayabalan

Twitter:

<https://twitter.com/udayabalan>

EDUCATIONAL QUALIFICATIONS

B.E (CSE) - Shanmugha College of Engineering - 2003
M.E (CSE) – MAM College of Engineering -2012
PhD – NIT, Tiruchirappalli - 2021

PROFESSIONAL EXPERIENCE

Teaching Experience: 17 years
Industry Experience: 0
Total: 8 years

INSTITUTION/DEPARTMENT RESPONSIBILITIES

- Part of Departmental NBA Accreditation Team
- Event Organiser for College and Department Level
- Facilitator for various events and activities

RESEARCH AREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY

Specialization: Recommendation System

Thesis Title: *Ensemble based Recommendation System for Personalized Predictions*

ACHIEVEMENTS/ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED

PUBLICATIONS/PATENTS/BOOKS

ASSOCIATION WITH PROFESSIONAL BODIES

Publications:

1. **Udayabalan, B., Gopalan, N.P.:** “Feature Augmentation based Hybrid Collaborative Filtering using Tree Boosted Ensemble”, Informatica, vol 43, pp. 477-483, 2019, (Scopus).
2. **Udayabalan, B., Gopalan, N.P.:** “Heterogeneous Ensemble based Collaborative Filtering (HECF) Model for Movie Recommendation”, International Journal of Advances in Electronics and Computer Science, Vol. 6, Issue-1, pp. 63-66, January 2019
3. **Udayabalan, B., Gopalan, N.P.:** Solving the Cold-Start Problem Using User Profile Based Bagged Ensemble Model for Movie Recommendation. International Journal of Advanced Science and Technology, Vol. 29, Issue- 8, pp. 4686-4693, 2020, (Scopus)
4. **Udayabalan, B., Gopalan, N.P.:** Novel Context Aware Drift Detection based Recommendation System to Handle Changes in User Preference. (Communicated)

Conferences:

Udayabalan, B., “Secure Enhanced Authentication Protocol using Backward Hash Chain for Mobile Systems”, In Proc. of National Multiconference on Innovative Computing Technology ‘11”, Tagore Engineering College, Chennai, April 2011.

- Member of Computer Society of India, Bangalore
- **Member** in Institute of Engineers (IE)

PROFESSIONAL COURSES COMPLETED