




**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND
MANAGEMENT**

(UDAYA PURA, KANAKA PURA ROAD, BANGALORE-82)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Name	Dr. PRASHANTH C.M	
Designation	Professor	
Educational Qualification	BE, M.E, Ph.D	
Areas of Interest	Software Verification, Social Computing, Cloud Computing, Internet of Things (IoT)	
Email ID	<u>prashanthcm@dsatm.edu.in</u>	

Educational Details

- 2011:** **Ph.D** in Computer Science & Engineering
Area of Research: Software Verification
National Institute of Technology Karnataka (NITK), Surathkal
- 2001:** **M.E** (First Class) in Computer Science & Engineering
University of Madras, VIT, Vellore
- 1996:** **B.E** (First Class with Distinction) in Electronics & Communication,
Kuvempu University
Adichunchanagiri Institute of Technology, Chikmagalur

Personal Details

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Professional Experience

- **Dayanand Sagar Academy of Technology & Management (DSATM)** serving from October 2021 to till date – Department of CS&E
- **Acharya Institute of Technology, Bengaluru** served from 2017 to October 2021. Responsibilities: Dean – Faculty development, Professor, Head of the Department (HOD) – Department of CS&E
- **Sapthagiri College of Engineering (SCE), Bengaluru** Served for 6 years from 2011 to 2017. Responsibilities: Professor, Head of the Department (HOD) – Department of CS&E, Chief Warden – Hostels.
- **Adichunchanagiri Institute of Technology (AIT), Chikmagalur**, Served for 14 years from 1997 to 2010. Positions held: Professor, Assistant Professor, Head of the Department (HOD) – Department of CS&E, Point of Contact – Infosys Campus Connect Program

Publications

1. Vinai George and C.M. Prashanth, “Non-Linear Generalized Additive Models Using Likelihood Estimations with Laplace And Newton Approximations”, *Journal of Mechanics of Continua and Mathematical Sciences*”, ISSN (Online): 2454 -7190 Vol.-15, No.-7, July 2020 pp 260-270, ISSN (Print) 0973-8975
2. Vinai George and C. M. Prashanth, "Friedman and Wilcoxon Evaluations Comparing SVM, Bagging, Boosting, K-NN and Decision Tree Classifiers." *Journal of Applied Computer Science Methods* Vol 9, 2017, pp 23-47.
3. Vinai George and C. M. Prashanth, "Statistical Evaluations on Classifier Results Using Boosting." *International Journal of Computer & Mathematical Sciences, Academic Science* Vol. 6, issue 9, pp 286-291 (2017).
4. Vinai George Biju, and Prashanth C.M. "Kappa and accuracy evaluations of machine learning classifiers." *Recent Trends in Electronics, Information & Communication Technology (RTEICT), 2017 2nd IEEE International Conference on. IEEE, 2017.*
5. Ragini Krishna and Prashanth C.M, “Identifying influential users on social network: An Insight”, 3rd International Conference on Data Management, Analytics and Innovation, Kuala Lumpur, Malaysia, Jan 18-20 2019, Paper- 162 – Accepted in press.
6. Suchetha Bhat, Dr. Prashanth C.M., “A Study on Automatic Test Case Generation”, *International Journal of Engineering Sciences & Research Technology*, ISSN: 2277-9655, pp 4073 – 4079, 3 (4), April 2014
7. Ragini Krishna, Sriganga, Dr. Prashanth C.M, “A Model for predicting influential users in Social Network”, *IJCSIT*, Vol. 5, Issue 3, pp 4047-4053, June 2014

8. Prashanth C.M, Dr. K.C. Shet, “Efficient Algorithms for Verification of UML State chart Models”, Journal of software, Vol. 4, No. 3, pp 175 -182, 2009
9. Prashanth C.M., Dr. K.C. Shet, “A New Approach to Detect Safety Violations in UML Statechart Models” International Journal of Computer Sc. & Network Security, Vol. 8, No. 7, pp 167 – 174, 2008
10. Prashanth C.M., Dr. K.C Shet, “Verification Framework for Detecting Safety violations in UML Statechart Models of Reactive Systems”, International Journal of Computer Science & Applications, Vol. 1, No. 1, pp 1 – 5, 2008
11. V. G. Biju, Prashanth C M, "Data linearity using Kernel PCA with Performance Evaluation of Random Forest for training data: A machine learning approach," 2016 International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India, 2016, pp.1-5. DOI: 10.1109/ICCCI.2016.7479924 IEEE Explore
12. Sriganga B.K, Ragini Krishna, Dr. Prashanth C.M., “A Survey of different centrality measures and need of dynamic centrality measure” 4th National Level conference on Information Processing, Bangalore, pp 259 – 265, May 2014.
13. Prashanth C.M., Dr. K.C. Shet, “Verification Framework for Detecting Safety Violations in UML state charts” In Proc. of Second Asia International conference on Modelling and Simulation (AMS 2008), pp 849 – 854, Kuala Lumpur, Malaysia, Publisher: IEEE computer society
14. Prashanth C.M., Dr. K.C. Shet, “A survey of model checking the UML state chart model of embedded systems”, National Conference on Emerging Trends in Engineering & Technology, Frontier 2007, pp 16 – 22, India
15. Prashanth C.M., Dr. K.C. Shet, “A Reality check of Model Checking the UML Statechart diagrams and research directions”, In Proc. of International Conference on Computers, Communication, Control Systems and Instrumentation(3CI-2007), pp 16 – 22, Bangalore, India
16. Prashanth C.M., Dr. K.C. Shet, “Verification of Protocol Design using UML – SMV”, International Conference on Software and Knowledge Engineering, pp 617 – 621, Bangkok, Thailand, 2009
17. Prashanth C.M., Dr. K.C. Shet, “An Efficient Event based approach for Verification of UML Statecharts”, In Proc. of 16th International Conf. on Advanced Computing and Communication (ADCOM 2008), pp 357- 362, December 2008, Publisher: IEEE Computer Society

Academic Activities

Grants:

1. Received a sum of Rs 25000/- under travel grant scheme of VTU to visit Thailand for an International Conference on Software and Knowledge Engineering in the year 2009
2. A sum of Rs. 75,000 (seventy-five thousand only) was received through AICTE Travel Grant scheme in the year 2008-2009 to participate in Second Asia International conference on Modelling and Simulation (AMS 2008) held at Kaulalumpur, Malaysia
3. Received Rs 70,000 from IBM (Centre for Advance Studies) as a Travel grant to visit Malaysia for the International Conference on Modelling & Simulation

Laboratory established:

1. Internet of Things (IoT) laboratory is established at department of Computer Science & Engineering, Acharya Institute of Technology, Bengaluru with the support of Centre for Advanced Computing (CDAC), Bengaluru. The following are the experiments set up for training students:
 - Data capturing from multiple sensors
 - Intrusion detection in wireless scenario
 - IP connectivity to various “Things”
 - RF communication
 - Working of Gateway
 - Blue tooth communication among “Things”
 - Wifi Communication among “Things”

Proposals submitted:

1. Proposal written for 22 lakhs (Twenty-two lakhs only) Modernization & Removal of obsolesce of Machine Learning Laboratory under the AICTE-MODROBS scheme in the year 2021 – Decision awaited
2. Proposal written to BIRAC, Govt. of India, titled “Dynamic Visualization of Immunization and Automated Vial tracking (DVID-AVT) for a grant of 1.33 Cr. Short listed for the second round and made a presentation at Delhi – 2017-18.
3. Proposal written to VGST to conduct a Faculty Development Program on “Recent Trends and Applications of Internet of Things (IoT) & Internet of Everything (IoE)” for 2 lakhs-2017-18.

Faculty Development Activity/Workshops attended

- Participated in second edition of high-level Franco-Indian “Knowledge Summit – 2” dedicated to higher education, research and innovation held on 17th & 18th October 2019 in Lyon, France as a representative of “Acharya Institutes” and presented research strategy & activities to the highly learned community of educationists and industrialists
- Member – Core committee to set up “Acharya University”- Submitted application to

KHEC, Karnataka and Screening Committee has visited on 08-09-20. Government's approval is awaited. I contributed for modelling flexible academics in line with the NEP guidelines.

- Organizing Chair for International Conference on Computing System & its applications (ICCSA 2021) held in online mode on 16.07.2021 at Acharya Institute of Technology, Bengaluru
- Responsible for getting MOU signed between Acharya Institute of Technology and TNS India Foundation (TNSIF) on 22 January 2021. Objective of the MOU is to conduct employability training and career counselling sessions for the final year students free of cost on the technologies like Mongo DB, Python, Java script etc. There are about 127 students attending the training as on date.
- Chaired a session in 3rd International Conference on Eco friendly Computing and Communication Systems (ICECCS 2014) held at National Institute of Technology Karnataka, Surathkal on 20th December 2014.
- Chaired a session in National Conference on Advances in Modern Computing and Applications, held at Acharya Institute of Technology on 5th & 6th December 2014
- Visited JSSATE, Mauritius as an external examiner for practical examinations and deputy chief superintendent of theory examinations, December 2013
- Member question paper preparation committee for PGCET -2013 constituted by Karnataka Examination Authority (KEA), Bengaluru
- Member Board of Examiners (BOE) – Visvesvaraya Technological University (VTU), Belgaum, 2012 – 2013
- Chaired a technical session at an international conference held in Bangkok, Thailand, 2009
- Visited Thailand for an International Conference on Software and Knowledge Engineering under Visvesvaraya Technological University- Travel Grant scheme, 2009

Student Project Funds Fetched with Grant No.

A sum of Rs. 4500 is received as a grant (No. 37S1074), “Desktop Visualization over the Cloud through host based virtual machines”, CS&E, 37th series Students Project Program (SPP) – 2013-2014, Sponsoring agency: KSCST, Bengaluru

Contact Details

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