

Curriculum Vitae

Name	Dr. S Umarani	Computer Networks with IoT, Big data and Data Mining	
Designation	Associate professor		
Department	Computer Application		
Organization/Institution	SRM University		
Place & Pincode	Ramapuram, Chennai - 600 089		
Mobile	9884612034		
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➤ **Title of the Thesis for the Research Degree**

“ Efficient Fault Recovery for Single and Multiple Failures using P-Cycle in WDM Optical Networks “

RESEARCH PUBLICATIONS (JOURNAL AND CONFERENCES)

S. No.	Title of the Article	Journal Name	Publication Details
1.	Indian Rural Students e-learning behavior using Structural Equation Modeling – A Novel Approach	IEEE Xplore	Oct 2020
2.	Literature review on Optical Layer Protection Scheme	BBRC - 7.728	Print ISSN: 0974-6455 Online ISSN: 2321-4007 Volume 13 & Issue 6 Sep 2020
3.	Implementation of Mobility-Assisted Uncertainty Reduction based on MCR-O scheme in MANET	International Conference on “Emerging technologies in datamining and information security “ organized by University of Engineering and Management ,Kolkatta which was accepted for publishing in springer Journal (Advances in	Have received best paper award. https://doi.org/10.1007/978-981-13-1501-5_64

		Intelligent System and Computing Series)	
4.	Design and Extension of Planar Network with Limited P-cycle	International Journal of Pure and Applied Mathematics	Volume 118 No. 8 2018, 333-339 ISSN: 1311-8080 (printed version),ISSN: 1314-3395 2018
5.	An efficient Sencar based Multiple Data Aggregation in MANET	Journal of Advanced Research in Dynamical and Control Systems	Volume 9, Issue 2, 2017
6.	Intelligent Temporal Model using Neuro Fuzzy Decision Tree Classification Algorithm for Online Social Network Analysis	Asian Journal of Information Technology	Volume 15 (17), Page no. 3247-3255 2016
7.	Competency Framework Model on Success Pattern Assessment For Job Seekers – A NLP Based Approach	International Journal of Engineering Trends and Technology (IJETT)	Volume 41 PageNo.6,2016
8	Deployment of P-cycle in Optical Networks: A Data Mining Approach	International Journal of Scientific Research in Science, Engineering and Technology	Volume .2 PageNo.324-330, 2016

PATENT PUBLISHED

Patent Title : DEPRIVED VIDEO RETRIEVALFOR SMART CITIES BASED ON X-PATH PSO

Date Applied : 24.7.2020

Date Published : 21.8.2020

CONSULTANCY PROJECTS

Company Name : Spellbee International

Title : Student Performance Analysis

Period : July2019 - Apr 2020

Amount : Rs .63000

Company Name : UNANU SOFTWARE TECHNOLOGIES

Title : Truck Load Optimization
Period : Aug 2020 to Nov 2020
Amount : Rs .300000

CONFERENCES / SEMINARS / WORKSHOPS / INDUSTRIAL VISIT ORGANIZED

- Organized few workshops for various topics like Cloud Computing,J2ee,Data Mining and Data Warehousing ,ER Model ,Rational Rose ,OOAD,.Net ,Android ,Soft skills etc.
- Organized Android Project Development program for students on "Mobifest 2016" and "Mobifest 2017" through this program,arranged internship and placement for students(Litrus Technology,and Chalk Street , Bangalore.
- Organized Summer Internship program for house wives on "Fundamentals of Computers" on May 2017.
- Organized seminar for government school students which help to improve students' performance as well as include into extension activity in NAAC , April 2017.
- Organized seminar for faculty on "Big data and Hadoop ECO systems" ,Feb 2018 .
- Organized workshop for students on "Amazon with alexa",Feb2019.
- Arranged campus interview for final year MCA students (November 2010) from MindTree Ltd, Chennai.
- Arranged a special free training for second year MCA students(batch 2011-14) on "network programming" ,from Netlab academy ,Chennai during the period of their third semester.
- Arranged few Industrial Visits for the students like TCS, Emphasis, Kaaviyan, HCL, Infosys, etc.
- Arranged internship for the students with stipend like Cintana Technologies, Elseif Technology, Litrus Technology, Chalk Street.

SEMINARS ATTENDED

- Attended a Two days workshop on "Training the Trainer Programme" on December 2006 at Wipro Technologies Limited, Chennai.

- Attended a One day workshop on " Trust Area of Research and its Methodologies in Information Technologies " on march 2007 at GCT, Coimbatore.
- Attended a Three days workshop on "XML and Webservices" on March 2008 at MIT, Chennai.
- Attended a one day workshop on "Enterprise Resource Planning –A Road Ahead" on November 2009 at Anna University, Chennai.
- Attended a one day workshop on "Rational Seed " organized by IBM Ltd.
- Attended a workshop on "Fortigate" organized by Fortinet Ltd.
- Attended a workshop on "Window8" at Microsoft Ltd , Hyderabad.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Life Member in Indian Society for Technical Education(ISTE) since 2006.

13. PERSONAL DETAILS

Date of Birth : 13 June 1974

Gender : Female

Husband Name : E. Saravanan

Date :

S.Umarani