


FACULTY PROFILE

Name of the Faculty:		Sudhakar Nagalla				
Designation:		Professor				
Department:		Computer Science and Engineering				
Date of Birth:		16/05/1962				
AICTE – ID:		1-425601100				
Education		<ul style="list-style-type: none"> Ph. D in Computer Science and Engineering awarded in 2009 from Acharya Nagarjuna University, Guntur for the thesis titled “Perceptual Structural Similarity for Image Quality Assessment.” M.Tech in Computer Science with First class from National Institute of Technology, Warangal, 1991-93. B.Tech in Mechanical Engineering with First Class from Visvesraya Regional College of Engineering (VNIT presently), Nagpur, 1979-84 				
Experience		Teaching: 36 Years	Industry: NIL		Total: 36 Years	
		Research: 15 Years	Others: NIL			
Research Specialization		Computer Vision, Image quality and Deep Learning				
Courses taught		<ol style="list-style-type: none"> 1. Machine Learning 2. Deep Learning 3. Full Stack Development 4. Compiler Design 				
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/ SCOPUS, Google scholar)
1	Route Concerned Non Interfering Multi Path Routing Protocol for Wireless Sensor Network Environment.	International Journal of Advanced Science & Technology.	2019	28	38-48	Scopus
2	Interference Reduction	International	2019	8	642-	Scopus

	Aware Optimal Route Path Establishment In Wireless Sensor Network Environment.	Journal of Engineering and Advanced Technology.			668	
3	Location and Quality of Service Guaranteed Optimized Routing In Wireless Sensor Network Environment.	Journal of Advanced Research in Dynamical & Control Systems.	2018	10	295-306	Scopus
4	Artificial Neural Network Techniques by Using Time Series and Parameterized Rainfall Prediction Models: A Comparative Study.	International Journal of Research in Electronics and Computer Engineering.	2018	6	1538-1545	Google scholar
5	A Hybrid Model for Rainfall Prediction using Both Parametrized and Time Series Models.	International Journal of Pure and Applied Mathematics.	2018	119	1549-1556	Scopus
6	Maximizing Throughput in Multi hop Wireless Network by considering Intra and Inter flow Spatial Reusability.	Journal of Advanced Research in Dynamical and Control Systems.	2018	10	708-717	Scopus
7	A Theoretical Analysis of Routing Metrics for Maximizing Throughput in Multihop Wireless Network.	International Journal of Innovative Research & Studies.	2018	8	459-467	Google scholar
8	Implementation of cost effective hierarchical Hadoop cluster – a case study for education.	International Journal of Engineering & Technology.	2018	7	210-216	Scopus
9	Multilevel Storage Optimization Using Dimension Reduction and Compression Framework(MLSO-DRC)-3 Application and Comparison for Real Time Data.	Journal of Advanced Research in Dynamical and Control Systems.	2018	10	158-162	Scopus

10	An intelligent storage optimization technique for heterogeneous hadoop clusters.	International Journal of Simulation: Systems, Science and Technology.	2018	19	9.1-9.6	Scopus
11	A Survey on Intra and Inter Domain Reusability Routing Protocols in MANETs.	International Journal of Computer Applications.	2017	169	21-24	Google scholar
12	A Novel Accession of Key Management for Secure Quick Transmission in Isolated Groups.	International Journal of Emerging Technology and Advanced Engineering.	2017	7	245-248	Scopus
13	A Survey on Intra Domain Protocols and Metrics for Choosing a Best Path in Wireless Network.	International Journal of Science Technology & Engineering.	2016	2	500-504	Google scholar
14	An Artificial Recurrent Neural Network model for Weather Forecasting.	International Journal of Science & Engineering Development Research.	2016	1	43-47	Google scholar
15	Algorithm For Edge Antimagic Labeling For Specific Classes Of Graphs.	International Journal Of Experimental Algorithms.	2015	5	1-6	Google scholar
16	Perceptual Weights based on Local Energy for Image Quality Assessment.	International Journal of Image Processing.	2014	8	468-478	Google scholar
17	Applications Of Graph Labeling In Major Areas Of Computer Science.	International Journal Of Research In Computer And Communication Technology.	2014	3	819-823	Google scholar
18	Algorithms for Magic	The Journal of	2014	66	36-42	Scopus

	Labeling on Graphs.	Theoretical and Applied Information Technology.				
19	Algorithm for Vertex Anti-Magic Total Labeling On Various Classes Of Graphs.	Contemporary Engineering Sciences.	2014	7	915-922	Scopus
20	Applications Of Graph Labeling in Communication Networks.	Oriental Journal Of Computer Science & Technology.	2014	7	139-145	Google scholar
21	Comparison of Neural Network Configurations in the Prediction of Monthly Rainfall over Coastal Andhra Pradesh.	International Journal of Advanced and Innovative Research.	2013	2	285-290	Google scholar
22	Enhanced Algorithms for VMTL, EMTL and TML on Cycles and Wheels.	Proceedings of the 48th Annual Convention of Computer Society of India.	2014	II	173-180	Springer Conference
23	Image quality assessment complemented with visual regions of interest.	Proc. Of ICCTA'07, IEEE Computer Society press.	2007	-	681-687	IEEE Conference
24	A reduced reference image quality assessment technique based on texture variance.	Proc. of IEEE international conference.	2006	-	708-713	-
25	A visual region of interest weighted image quality index.	Proc. of IET international conference on visual information engineering.	2006	-	594-599	IEEE Conference

Books published

S. No.	Title of the book	Publisher	year
1	International Conference on Advanced Computing Techniques	Bapatla Engineering College-Conference Proceedings	2021

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	NIL			

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	NIL			

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1.	Faculty Orientation Program on C-Programming for faculty from non-CSE branches.	Resource Person	17–22 July 2023
2.	Workshop on Project thesis preparation for final year students	Resource Person	13-14 April, 2023
3.	International Conference on Advanced Computing Techniques	Convenor	20-21 May, 2021
4.	Workshop on Project thesis preparation for final year students	Resource Person	10-15 May, 2021
5.	A two day online workshop on “Angular JS”	Coordinator	4-5 Dec., 2020.
6.	A Three day online Faculty Development Program on “Recent Trends in Machine Learning”	Resource Person	10-12 Dec., 2020.
7.	A Workshop on “Machine Learning Using Python”.	Resource Person	14-16 Nov., 2018.
8.	A Workshop on Essentials of LATEX (Five Day Faculty Development Program).	Resource Person	23 to 25 Oct., 2017.
9.	Faculty Development Program on Microsoft Windows Azure.	Organizer	18-19 March, 2016.

10.	Windows Azure Bootcamp (Bectagon 2k16).	Organizer	11-12t March, 2016.
11.	Community Day Event on behalf of Microsoft at Bapatla Public School.	Organizer	21st Sept., 2015.
12.	Workshop on Azure Enabled Mobile App Development..	Organizer	27 -28 July, 2015.
13.	Workshop on Azure Enabled Mobile App Development.	Organizer	17-18 June, 2015.
14.	Faculty Development Program on Cloud Computing.	Organizer	28-29 April, 2015.
15.	A Workshop on Windows 8 Phone development.	Organizer	28th March, 2015.
16.	A Workshop on Windows 8 Phone development conducted as a part of BECTAGON 2k15.	Organizer	19-20 March, 2015.
17.	Workshop on windows 8 App development for 3/4 B.Tech.	Organizer	22nd Dec., 2014.
18.	Workshop on windows 8 App development for 2/4 CSE.	Organizer	13th Dec., 2014
19.	Workshop on Microsoft Curriculum Adoption for Faculty.	Organizer	30th Nov., 2014.
20.	Microsoft Women Hackathon – 2014.	Organizer	28 -29 Nov., 2014
21.	Workshop on Windows Phone App Development.	Organizer	27-29 Sep., 2013.
22.	Workshop on Windows Phone App Development.	Organizer	13-15 Sep., 2013.
23.	Workshop on Windows Azure	Organizer	6-7 Sep., 2013.

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1.	Outcome Based Curriculum Design	NITTR, Chandigarh.	05-09 Sept., 2022.
2.	Data Engineering	VNR VJIET, Hyderabad	16-20 Aug., 2022
3.	Web Development with Python Django Framework.	Ramachandra College of Engineering, Eluru	19-23 Oct. 2020
4.	FDP on Cyber Security	Bapatla Engineering College	02-06 June, 2020
5.	One day Workshop on Moodle	IITB- Remote Center	15 th March, 2019

	Learning Management System		
6.	A Two Day workshop on Course Objectives and Learning Outcomes	Bapatla Engineering College	10-11 July, 2018.
7.	Workshop in IPR and Innovation Development	Bapatla Engineering College	31 st Aug. to 01 st Sep. 2018.
8.	Workshop on Enterprise Application Development using Spring Boot	Bapatla Engineering College	1-3 April, 2019.
9.	Google Android Workshop	Google & APSSDC at VVIT, Guntur	6-10 Sep., 2016.
10.	Faculty Connect Program	Microsoft, Delhi	26-27 Aug. 2014.
11.	Black Berry Cascade Training	BlackBerry, Hyderabad	25-27 March, 2013.
12.	Microsoft Innovation Center meet	Microsoft Bangalore	18 th March, 2013.
13.	Workshop on Computer Architecture and High Performance Computing.	ASE, Bangalore.	15-16th March, 2013.
14.	Train the Trainer Program.	Bosch Rexroth Center of Competence in Automation Technology, Mysore.	19 th March to 18 th April, 2012.
15.	Workshop on DNA of Finishing School for Engineering Graduates	NIT, Warangal.	12-13 July, 2007.
16.	International conference on ICCTA.	ISI, Calcutta	07-09 March, 2007.
17.	Workshop on Multicore Technologies	IIT, Chennai.	11 th Nov. 2006
18.	Workshop on Cyber Laws	NIT., Warangal	15-17 April, 2006.
19.	Workshop on Free & Open Source Software (GNU/LINUX)	VNRVJIET, Hyderabad,	16-18 March, 2006.
20.	Member in Education delegation to Lebanon and Jordan.	FIEO, Government of India	28th Nov. to 5th Dec., 2005.
21.	Short Term Course On Research Trends in Formal Languages and Thoery of Automata.	IIT, Chennai	26 th Spt. to 09 th Oct. 2005
22.	Seminar on “District Knowledge Centers”.	JNTU, Hyderabad	01 st Oct., 2004
23.	Seminar on Multimedia Content Generation.	SONET, Hyderabad	30 th Sep. 2004
24.	Mentor training program for M.S. (IT).	IIIT, Hyderabad.	12-23 July, 2000.
25.	Training Program on Object-Oriented Methodology.	NCST, Bangalore.	26-30 July, 2000.

26.	Teachers' Summit.	NCST, Bangalore.	9-11 March, 2000.
27.	Short Term Course on Computer Networks.	IIT, Kanpur.	24-28 Nov. 1997.
28.	STTP on Object-oriented programming.	R.E.C., Warangal	29th May to 9th June, 1995.
29.	Distributed Databases by Department of Computer Science and Engineering.	Satyabhama Engineering College, Madras.	16-29 May, 1994.

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Microsoft Appreciation Award for supporting Windows Appathon for students 2013-14 at Bapatla Engineering College.	Microsoft	2013-14
2	Designed and introduced Cloud Programming in the curriculum in the year 2013. Obtained Azure grant worth USD \$322,800 from Azure University, Microsoft in the form of Azure passes to the students and faculty to teach the course Cloud Programming with Azure for the academic year 2013-14.	Microsoft	2013

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
1	Skill and Personality Development Center for SC/ST students	AICTE	Completed	Rs. 16,33,000	2019-22

Consultancy contribution

S.No.	Year	Amount	Details
1			NIL

Student Project/research guidance

S.No	Level	Total number
1	UG	Completed: 38 Ongoing:2
2	PG	Completed: 4
3	PhD	Completed: 4 Ongoing:2

Administrative experience

S.No.	Role	Duration (From – to)
1	I/C Principal, Bapatla Engineering College (BEC)	June 2011 - Sept. 2011 Dec. 2012 - March 2013 July 2013 – July2014 Aug. 2015 – May 2018
2	Head, Department of CSE, BEC	June 1998 - May 2012

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?user=xrPJUEwAAAAJ&hl=en
SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=55941284800

Sudhakar Nagalla

Sept. 20, 2023