DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE Affiliated to JNTU Kakinada)

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	FACULTY PROFILE	
Name of the Faculty	Dr. A. Sudhir Babu	
Designation	Professor & Dean-Academics	
Email & Phone No	asbabucse@gmail.com 9490686868	
Date of Joining	31-03-2023	
Nature of Association	Regular	
Department	Computer Science & Engineering	
Educational Background	**Ph. D** – Faculty of Computer Science and Engineering, Acharya Nagarjuna University	
	M.Tech (CSE) – VTU, Belgaum	79.8% - First Class with Distinction
	M. S (Software systems) – BITS, Pilani	6.0 CGPA
	B.E (Electronics)- University of Pune	63.5% - First Class
Research Areas	Computer Networks and Security	
Experience		

S.No	Institute	Designation	Period
3	Sai Tirumala Engineering College, Narasaraopet	Professor & Principal	10-06-2022 to 30-03-2023
2	Vignan Institute of Management and Technology, Hyderabad	Director - Academics	01-08-2020 to 09-06-2022
1	PVP Siddhartha Institute of Technology, Vijayawada	Professor	08-10-2009 to 31-07-2020

List of Publications (National and International Journals):

S. No.	Title	Name of the Journal	Vol No.	Issue No.	Pp. No.
1	Preserving Smart Category for Fuzzy Wordnet based document Representation and clustering using Regularized K-Means Method	International Journal of Ad Hoc and Ubiquitous Computing InderScience Publishers	Published April, 2022	DOI: 10.1504/ IJAHUC.2022. 10043491	
2	Document Clustering Approach using Fuzzy Wordnet and Adaptive PSO-K- Means Algorithm	Solid State Technology	63	5, 2020	3090-3099
3	Analysis of Similarity Measure with Wordnet based and Enhanced Feature Selection in Text Documents Clustering	International Journal of Advanced Science and Technology	29	6, 2020	3158-3167.
4	Research of Clustering Algorithms using Enhanced Feature Selection	International Journal of Engineering and Advanced Technology	9	2, Dec 2019	4612-4615
5	Text Categorization using various Advanced ML Techniques in Text Mining	Advanced Research in Dynamical & Control Systems	12	08- 2019	280-285.
6	Liquescent Level Checking and Scheming System By Means of IoT	International Journal of Innovative Technology and Exploring Engineering,	08	09	July-2019
7	Internet of Things Security Architecture for Smart Environment	Journal of Advanced Research in Dynamical & Control Systems	10	12 (2018)	606-614.
8	An Insight into Free and Open Source Software	International Journal of Scientific Research in Science and Technology	4	10 Sep-2018	ISSN: 2395-602X
9	Secure File Sharing in Individual Groups	Journal of Emerging Technologies and Innovative Research	5	7, July, 2018	ISSN: 2349-5162
10	A New Mechanism For Approach of IP Spoofers: Passive IP Traceback Using Backscatter Messages	International Journal of Engineering Development and Research	5	3, 2017	1161-1166
11	Truthful Detection of Packet Dropping Attacks by Privacy-Preserving	International Journal for Development of Computer Science and Technology	5	5, 2017	43-50
12	Collaborative Trust Model for Reactive Routing Protocols of MANETs	International Journal for Research Trends and Innovation	2	1 Jan, 2017	5-12

13	Pre Query Approaches to Improve the Accuracy for Classifying Deep Web Forms	International Journal of Merging Technology and Advanced Research in Computing	4	16, Dec, 2016	1-7
14	KNN TFIDF Based Named Entity Recognition	International Journal Scientific Development and Research	1	12, Dec, 2016	35-39
15	A Location based Top-K Query Secure Processing via Untrusted Location	International Journal of Scientific Development and Research	1	12, Dec, 2016	6-10
16	Stratified Approach using Conditional Random Fields in Diagnosis of Intrusions	International Journal of Scientific Engineering and Technology Research	5	38, Oct, 2016	7942-7945
17	Design and Development of Student Attendance Management System Using Intel Atom Processor	International Journal of Computer Sciences and Engineering	3	9, Sep, 2015	1-6
18	Enhancing the Throughput in Wireless Networks using Optimal CSMA Algorithm	International Journal of Emerging Technology and Advanced Engineering	2	5, May, 2012	504-510
19	An Elicitation Technique for Handling Data Malicious Activity	International Journal for Development of Computer Science and Technology	1	6, Oct, 2013	87- 94
20	A Novel Architecture for Mitigating the MANET Routing Attacks	International Journal of Advanced Research in Computer and Communication Engineering	2	11, Nov, 2013	4382-4387
21	Evaluation of BER for AWGN, Rayleigh and Rician fading Channels under various modulation schemes	International Journal of Computer Applications	26	9, July, 2011	23- 28
22	Genuine and Forged Offline Signature Verification using back propagation Neural Networks	International Journal of Computer Science and Information Technologies	2	4, 2011	1618-1624
23	A Three Level Tree Structure Database Architecture for global Roaming in Mobile networks	International Journal of Computer Science and Information Technologies	2	4, 2011	1612-1617
24	Performance Evaluation of QoS metrics in MANETs	Acharya Nagarjuna University Journal	February , 2011		
25	Learning and Matching of Dynamic & Robust Visual Tracking Recognition	CiiT International Journal of Digital Image Processing.	3	1, Jan, 2011	410-415
26	Automatic Image retargeting using saliency based mesh parameterization	International Journal of Computer Science and Information Technologies	1	4, 2010	273-279

National/International Conferences:

S. No.	Title	Name of the Conference	Date	Pp. No.
1	An Enhanced Feature Selection for Text Documents	Springer Conference Smart Intelligent Computing and Applications	Oct, 2019	21-29
2	Health Care Using Machine Learning – Aspects	International Conference on E- Business and Telecommunications	13, July 2019	723 - 731
3	Software Application Test Case Generation with OBDM	International Conferenceon E- Business and Telecommunications	13, July 2019	712 - 722
4	An Insight into Model Based Software Testing Research Perspectives	International Conference on Recent Advances in Computer Science and Engineering	4-5th March, 2019	226-
5	A new trust mechanism for improving the performance of DSR protocol	**Elsevier** ACEEE International CNC Conference	23rd Feb 2013	59-64.
6	Enhancement of performance by embedding trust model into reactive routing protocols	**IEEE** 3rd International Advance Computing Conference (IACC)	22nd Feb 2013	230- 236
7	Congestion Control for Mobility-Aware Transport Protocols	National Conference at V.R Siddhartha Engineering College	12-13th October, 2007	---
8	Proactive Routing Techniquesin IP networks	International Conference INCRUISE-08	5th & 6th January 2008	---
9	Multichannel Networks Scheduling Protocol	International Conference ICETCSE-08	29-30th December, 2008.	---
10	Towards an Effective Classroom Methodology	National conference atMVR College of Engineering & Technology	14th February, 2009	---
11	Security Issues in QoS Signalling Systems for Mobile Adhoc Networks	International Conference ICETCSE-10	12-13th February, 2010	---
12	Improving Quality of Serviceby MPLS in IP Networks	International Conference ICETCSE-10	12-13th February, 2010.	---
13	Bidirectional Routing in Mobile Adhoc networks by using DSR Protocol	National conference at MVR College of Engineering & Technology	12-13th March, 2010	---

Achievements / Awards /Honors:

➢ **Received National Level Sarvotham Aacharya Puraskar on 150th Gandhiji Birth Celebrations by Impact Foundation in collaboration with AP State Information Technology Association on 2nd October, 2019.**

➢ **Received Jai Upadhyaya Puraskar from Lions Club in Centenary Celebrations on 17th September, 2017.**

- ➢ **Received ₹6,10,000/- from AICTE for PRERANA scheme in February 2020.**
- ➢ **Received ₹2,13,615/- from AICTE for STTP on "Machine Learning and IoT Technologiesfor Environmental Issues" in February 2020.**
- ➢ **Received Travel Grant ₹1,40,000/- from AICTE in August 2019.**
- ➢ **Received Jai Upadyaya Puraskar from Lions Club on 15ᵗʰ August, 2015.**
- ➢ **Received ₹2,70,000/- grant from UGC for minor research project** entitled "Optimized Routing by Embedding Trust Mechanism in Reactive Routing Protocols for MANETs" on 17- 03-2014.
- ➢ **Received Rs. 1,00,000/- from DST, Govt. of India for National level Seminar** on "Cloud Computing", organized and acted as Seminar Convenor on 25-26ᵗʰ November, 2013.
- ➢ Stood First Rank and won **Gold Medal** in M.Tech at College Level
- ➢ Stood First Position in Pre Ph.D Examinations at Acharya Nagarjuna University.
- ➢ **Won CSI best student chapter** during my tenure as a CSI Student Branch Coordinator in 2009.

Patents:

1. Patent Published: CBR No. 23491, Application No. : 201841031506, "A New Trust Management Mechanism for Improving the Performance of DSR Protocol", 2018.

2. Patent Published: Application No.: 201941006212, "Method and Apparatus for Thread Migrating in Operating system", 2019.

3. Patent Applied: CBR No.: 29048, Application No.: 201741032120, "Method for Establishing Collaborative Trust by Trust Model for Routing Protocols of MANET", 2017.

4. Patent Published: Application No.: 202241025730, "CNN algorithm based self-driving car for future smart city road method and thereof", 2022.

FDPs/ Guest Lectures/ STPs/ Seminars Organized: 27

FDPs/ Guest Lectures/ STPs/ Seminars Participated: 51

Memberships:

Professional Affiliation:		3
Organization	**Year of Induction**	**Grade of Membership**
Computer Society of India (CSI) Membership No. 00169775	2007	Life Member
Indian Society for Technical Education (ISTE) Membership No.: 66764	2009	Life Member
Advanced Computing Machine(ACM) Membership No.: 6522230	2009	Professional Member

Dr. A. Sudhir Babu