



H.K.E Society's

## Poojya Doddappa Appa College of Engineering, Kalaburagi

### FACULTY PROFILE FORMAT

Personal Details	
<b>Name: Dr Sujata Terdal</b>	Photo (3.5cmx4.5cm):
<b>Designation: Professor</b>	
<b>Department: Computer Science and Engineering</b>	
<b>College Address: Aiwan E Shahi Road, Kalaburagi</b>	
<b>Contact: 9448982741</b>	
<b>E-mail id (college mail id): sujataterdal@pdaengg.com</b>	

<b>Areas of Interest</b>	Mobile Adhoc Networks, Cloud Computing, Cyber Security
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Subjects Taught	
UG	PG
Machine Learning(18CS63)	Cryptography and Network Security
Data Science (18CS51)	Mobile Application Development
Web Technology	Wireless Mobile Networks
Cryptography and Information Security	Operating Systems
Operating Systems	Computer Networks
Data Communication	Web Engineering

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Computer Science & Engineering	JNTU, Hyderabad	Jawaharlal Nehru Technological University	December 2014
PG (M.tech /M.E)	Computer Science & Engineering	PDA College of Engineering, Kalaburagi	Visvesariah Technical University, Belagavi	October 2001
UG (B.Tech /B.E)	Computer Science & Engineering	PDA College of Engineering, Kalaburagi	Gulbarga University, Gulbarga	June 1990

Work Experience							
Name of the Institution		Position		From		To	
PDA College of Engineering, Kalaburagi		Lecturer		Feb 1992		Jan 2006	
PDA College of Engineering, Kalaburagi		Assistant Professor		Feb 2006			
PDA College of Engineering, Kalaburagi		Associate Professor					
PDA College of Engineering, Kalaburagi		Professor		June 2016		Till date	
<b>Total Experience</b>	29	<b>Teaching</b>		<b>Research</b>		<b>Administration</b>	

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		28	0	11	0
Recent Publications (Journals)					
1.	Bhasgi, S.S., Terdal, S. Energy and target coverage aware technique for mobile sink based wireless sensor networks with duty cycling. Int. j. inf. tecnol. (2021). <a href="https://doi.org/10.1007/s41870-021-00794-9">https://doi.org/10.1007/s41870-021-00794-9</a>				
2.	Bhasgi, S. S., Terdal, S. (2021). "A Survey on Bio-inspired Routing Algorithms in Wireless Sensor Network". International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies, 12(2), 12A2Q, 1-13. <a href="http://TUENGR.COM/V12/12A2Q.pdf">http://TUENGR.COM/V12/12A2Q.pdf</a> DOI: 10.14456/ITJEMAST.2021.38				
3.	Abhijit Halkai, Sujatha Terdal."QALPA- An Efficient QoS Aware Hybrid Localization Model Using ParticleSwarm Optimization and Ant Colony Optimization for Cognitive WirelessSensor Networks"International Journal of Intelligent Engineering and Systems, Vol.14, No.1, 2021 DOI: 10.22266/ijies2021.0228.26				

4.	Halkai, A., Terdal, S. (2021). "A Survey on Bioinspired Cluster-Based Routing and Cognitive Approaches in Wireless Sensor Networks. International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies", 12(3), 12A3C, 1-12. <a href="http://TUENGR.COM/V12/12A3C.pdf">http://TUENGR.COM/V12/12A3C.pdf</a> DOI:10.14456/ITJEMAST.2021.45
5.	Talekar, Sopan A. and Sujatha P. Terdal. "Cooperative Channel Selection With Q-Reinforcement Learning and Power Distribution in Cognitive Radio Networks." IJACI vol.12, no.4 2021: pp.22-42. <a href="http://doi.org/10.4018/IJACI.2021100102">http://doi.org/10.4018/IJACI.2021100102</a>
6.	Kodli, S. and Terdal, S., 2021. "Hybrid max-min genetic algorithm for load balancing and task scheduling in cloud environment". Int J Intell Eng Syst., 14(1), pp.63-71.
7.	Nagahalli, N. S., & Terdal, S. (2019). "Network intrusion detection using supervised machine learning technique". Int. J. Sci. Technol. Res, 8(09), 345-350.
8.	Fatima Summayya Almas, Terdal Sujata. "Prediction of TCP Congestion by Using Machine Learning". Journal of Innovation in Computer Science and Engineering. 2019, Volume : 8, Issue : 2 .ISSN : 2455-3506.
9.	Kulkarni, S., & Terdal, S. (2017). Ttpse-Trusted Third Party With Symmetric Encryption Towards Secured Cloud Storage. International Journal of Computer Sciences and Engineering, 5(5), 47-51.

### Memberships in Professional Bodies

S.No.	Name of the Professional Body
1.	Indian Society for Technical Education
2.	IETE

### Programs Organized

1.	Coordinator , One Week STTP on <b>Block Chain Technology and its Applications</b> , 22 <sup>nd</sup> March to 26 <sup>th</sup> March 2021
2.	Coordinator, One Day Seminar on <b>Cyber Smart Citizen</b> ,20 <sup>th</sup> Dec 2020 for General Public
3.	Main Coordinator, <b>Induction Programme</b> phase II for BE I year students, from 13/05/2021 to 19/5/2021
4.	Main Coordinator, <b>Induction Programme</b> phase I for BE I year students, from 11/12/2020 to 19/12/2020
5.	Main Coordinator, <b>Induction Programme</b> for BE I year Students , 6/8/2019 to 17/8/2019
6.	Co-Coordinator for <b>NIRMAN 2019</b> , College Level Cultural Festival, Co-Coordinator 30 <sup>th</sup> ,31 <sup>st</sup> March 2019
7.	Coordinator for One Week STTP on " <b>Automation Using Internet of Things</b> ", 23 <sup>rd</sup> Jan to 27 <sup>th</sup> Jan 2017

<b>Training Programmes Attended</b>			
<b>Sr.No</b>	<b>Title</b>	<b>Date</b>	<b>Place</b>
1.	Cyber Forensics And Cyber Security	15th June -19th June 2020	GNITS,Hyd
2.	Malware Trends And Analysis Coe, Cyber Security	8th July 2020	Gok , Banglore
3.	Contemporary Research Trends in Electronics and Communications and Computer Science	06th to 10th July 2020	VTU,Kalaburagi
4.	Research Trends And Challenges In Computer Science	13th - 17th July2020	Vvce,Mysuru
5.	Build Dynamic Web Applications Using Servlets And Jsp	20th July 2020	Ewit,Blore
6.	Machine Learning on a Distributed Platform	27th to 31st July 2020	IEEE Society,RVCE
7.	Opportunities And Challenges Of Post Pandemic Era: An Overview	10th - 14th Aug 2020	BMSIT,Blore
8.	BlockChain Technology and its Applications	17th to 21st August 2020	JNNCE,Shivamogga
9.	Data Sciences	07th to 11th Sept 2020	ATAL,University of Hyd
10.	Effective Teaching And Learning In OBE & Life Skills For Engineers	9th March 2019	Pda College Of Engineering Kalaburagi
11.	Cyber Security	14th to 18th March 2019	Pda College Of Engineering Kalaburagi
12.	Cyber Security & Forensic Investigation Tools & Techniques	22nd to 26th July 2019	Engineering Staff College Of India, Hyderabad
13.	Role Of IoT In Research & Industrial Applications	23rd - 24th Aug 2019	PDACEK
14.	Biomedical Signal Processing And Analysis For Cognitive Nuero Science Study	1st to 2nd Jan 2018	PDACEK
15.	Machine Intelligence For Data Analysis Using Python	4th to 9th April 2018	PDACEK, Klb
16.	Outcome Based Education : A Transformational Approach For Quality Education	21st and 23rd June, 2018	PDACEK ,Klb
17.	Data Analytics Using R	7th - 11th March 2017	PDACEK, Klb
18.	Software Testing And Quality Assurance	21st To 23rd March 2017	PDACEK, Klb
19.	Featuring User Interfaces Using Python	24th To 26th March 2017	PDACEK ,Klb
20.	Real Time Data Warehousing And Visualization: Tools And Technology	25th & 26th March 2017	PDACEK, Klb
21.	Use Of E-Resources For Teaching And Research	19th May 2017	PDACEK, Klb
22.	Automation Using Internet Of Things	23rd to 28th Jan 2016	PDACEK ,Klb
23.	Pedagogical Skills Training For Engineering Teachers	27th Feb to 3rd March 2016	PDACEK, Klb

<b>Special Lectures Presented</b>	
1.	Resource Person for FDP on <b>Cyber Security and Forensics</b> 7 <sup>th</sup> to 11 <sup>th</sup> December 2020
2.	Resource Person for FDP on <b>Cyber Security</b> held on 14 <sup>th</sup> to 18 <sup>th</sup> March 2019, Topic : "BlockChain Technology"

<b>Role &amp; Responsibilities</b>	
1.	Head of Department
2.	Programme Coordinator
3.	Dean Student Affairs
4.	Nirman CoCoordinator
5.	Induction program coordinator
6.	PG Coordinator Computer Network Engineering
7.	PG coordinator Computer Science Engineering
8.	Technovision coordinator