


## FACULTY PROFILE

Name of the Faculty:		Dr. Mani Deep Karumanchi				
Designation:		Associate Professor				
Department:		Computer Science and Engineering				
Date of Birth:		09-08-1988				
AICTE – ID:		1-717028556				
<b>Education</b>		<ul style="list-style-type: none"> <li>• B.Tech in CSE from JNTUK University in 2009</li> <li>• M.Tech in CSE Specialization from ANU University in 2011</li> <li>• PhD in CSE specialization from Pondicherry University in 2023</li> </ul>				
<b>Experience</b>		Teaching: 12 Years	Industry: 0 Years	<b>Total: 12 Years</b>		
		Research: 6 Years along with Teaching	Others: 0 Years			
<b>Research Specialization</b>		<b>Blockchain, Cloud Computing, Cryptography, Supply Chain Management</b>				
<b>Courses taught</b>		<ol style="list-style-type: none"> <li>1. Cloud Programming (Windows Azure and AWS)</li> <li>2. Enterprise Programming (.NET Technologies)</li> <li>3. Object Oriented Programming (C# and Java)</li> <li>4. Full Stack Development</li> <li>5. Distributed Systems</li> <li>6. Operating Systems</li> <li>7. Discrete Mathematical Structures</li> </ol>				
<b>Research contributions</b>						
<b>International/national peer reviewed journals</b>						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	An Improved Integrity-Based Hybrid Multi-User Data Access Control for Cloud Heterogeneous Supply Chain Databases	International Journal on Recent and Innovation Trends in Computing and Communication	2023	11	276-289	Scopus
2	An efficient integrity based multi-user blockchain framework for heterogeneous supply chain management applications	International Journal of Computers and Applications	2023	45	337-351	Scopus

3	Blockchain enabled supply chain using machine learning for secure cargo tracking	International Journal of Intelligent Systems and Applications in Engineering	2022	10	434-442	Scopus
4	Integrated Internet of Things with cloud developed for data integrity problems on supply chain management	Measurement: Sensors	2022	24	100445	Scopus
5	Client Authentication as a Service in Microsoft Azure	International Journal of Engineering and Advanced Technology (IJEAT)	2019	8	101-105	Scopus
6	Network as a service model in cloud authentication by HMAC algorithm	International Journal of Advanced Networking and Applications	2018	9	3623-3631	Google Scholar
7	Quarantine Stabilizing Multi-Keyword Rated Discover with Unfamiliar ID Transfer over Encrypted Cloud Warning	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	2015	2	7-10	Google Scholar

#### Books published

S. No.	Title of the book	Publisher	year
1	Proceedings of 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	Nonlinear integrity algorithm for blockchain based supply chain databases	Pervasive Computing and Social Networking: Proceedings of ICPCSN 2022	Springer	2022

2	Cloud based supply chain management system using blockchain	2019 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT)	IEEE	2019
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**Details of Conferences/FDPs/STTPs/webinars/Workshops Organized**

S.No.	Name of the event	Role	Dates
1	International Conference on Advanced Computing Techniques	Convenor	May 20-21 <sup>st</sup> , 2021

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

S.No.	Name of the event	Organized by	Dates
1			
2	30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision	CBIT, Hyderabad	10-07-2023 to 28-07-2023
2	5 DAY'S ONLINE NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM ON "INTELLECTUAL PROPERTY RIGHTS"	Dr. M.G.R. Educational and Research Institute, Chennai	22-05-2023 to 26-05-2023
3	5 Days FDP on Innovative Teaching Learning Practices for Preparation of NEP-2020	AJEENKYA DY Patil School of Engineering,	06-02-2023 to 10-02-2023
4	One Week Virtual Faculty Development Program "Emerging Research Trends in Computing Technologies"	Dr. M.G.R. Educational and Research Institute, Chennai	28-11-2022 TO 02-12-2022
5	A Three Day National level online workshop on "Outcome Based Education and Examination Reforms"	Bapatla Engineering College	03-08-2022 to 05-08-2022
6	30 Days Master Class on Advanced Python Programming	APSSDC	27-10-2022 to 27-11-2022
7	One Week FDP on "Data Engineering"	VNRVJIET, Hyderabad	16-08-2022 to 20-08-2022

8	Programming in Java	NPTTEL	Jul-Oct 2022
9	Cyber Security, Cyber Crimes & Digital Forensics: Trends and Technologies	Puducherry Technological University	10-11-2021 to 16-11-2021 (6 Days)
10	online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education"	All India Council for Technical Education(AICTE)	28-07-2020 to 01-08-2020
11	Introduction to Python Programming	ICT Academy	24-05-2021 to 28-05-2021
12	AICTE Sponcered 6 Day Online STTP on "BLOCKCHAIN TECHNOLOGY & ITS APPLICATIONS"	East West Institute of Technology	12-10-2020 to 17-10-2020
13	five day online Faculty Development Program on "Cyber Security"	Bapatla Engineering College	02-06-2020 to 06-06-2020
14			

#### Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Department Best Teacher Award	Bapatla Engineering College	2020-21
2	College Best Teacher Award	Bapatla Engineering College	2020-21

#### Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed: 19	Ongoing: 0
2	PG	Completed: 7	Ongoing: 0
3	PhD	Completed: 0	Ongoing: 0

#### Administrative experience

S.No.	Role	Duration (From – to)
1	Assistant Controller of Examinations Software Operations	Nov 2015 to Apr 2019
2	Website Coordinator	Mar 2013 to Apr 2017
3	MIC Coordinator	Mar 2013 to July 2016
4	Mail Server Administrator	Mar 2013 to Till Date
5	Examination section software developer	Nov 2013 to Nov 2015

### Research credentials

Index/database	ID/Link
Google Scholar	<a href="https://scholar.google.com/citations?user=tmQSVXYAAAA&amp;hl=en">https://scholar.google.com/citations?user=tmQSVXYAAAA&amp;hl=en</a>
SCOPUS	57218452239
Web of Science	HMV-3856-2023
Vidwan ID	<a href="https://vidwan.inflibnet.ac.in/profile/170525">https://vidwan.inflibnet.ac.in/profile/170525</a>

### Any other relevant information

1. Acted as a Resource Person for the Workshop on “Windows 8 App Development” Conducted by Bapatla Engineering College, 19<sup>th</sup> - 20<sup>th</sup> March, 2015.
2. Acted as a Resource Person for the Two-day Faculty Development Program on “Cloud Computing” conducted by Bapatla Engineering College, 28<sup>th</sup> – 29<sup>th</sup> April, 2015.
3. Acted as Resource person for the 3-day workshop on “Windows 8 App Development” conducted by St. Mary's Womens Engineering College, Guntur, 17<sup>th</sup> -19<sup>th</sup> November, 2016.
4. Developed Student Information System, Student Registration System, Certificate Generation, Provisional Certificate generation, CMM and OD using various technologies (JSP, C#.NET, ASP.NET, MySQL, SQL Server, Jasper Reports.) for Bapatla Engineering College Examination Section.
5. All India 2nd Ranker in Ph.D. Entrance test conducted by Pondicherry University.
6. Among the top 1% in the NPTEL course Programming in Java (Jul-Oct 2022).
7. Among the top 5% in the NPTEL course Blockchain Architecture Design and Use Cases (Jul-Oct 2019).

(Mani Deep Karumanchi)  
(20/02/2024)