

**JNTUA COLLEGE OF ENGINEERING (Autonomous),  
Ananthapuramu**  
**Department of Computer Science and Engineering**  
**Self-Assessment Report (SAR)**  
**(2016-17 to Till date)**

**1. Personal Details**

- a. Name of the faculty : Dr. C. Shoba Bindu
- b. Father Name : Sri. C. Pratap Chandra Reddy
- c. Mother Name : Smt. C. Reddamma
- d. Gender : Female
- e. Date of Birth : 01/07/1976
- f. Category (OC/BC/SC/ST) : OC (Reddy)  
(Mention sub category)
- g. Joining Date : 31-05-2003 AN
- h. Current Designation : Professor & Director Skill Development Center and  
Incubation Center
- i. Aadhaar No : 6685 4289 7623
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- k. Residential Address : Flat. No. 402, PAR HOMES,  
Aravinda Nagar, Ananthapuramu
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**2. Qualifications:**

Course	Name of the Institution studied	Name of the University	Year of graduation	% of marks obtained	Division
Ph.D (Computer Science & Engineering)	JNTU, Anantapur	JNTU, Anantapur	2010	--	--
M. Tech (Computer Science)	JNTU, Hyderabad	JNTU, Hyderabad	2002	92	First class with distinction

B. Tech (ECE)	JNTU, Hyderabad	JNTU, Hyderabad	1997	84	First class with distinction
Intermediate /Diploma	K.S.R. Govt. Junior College for Girls	Board of Intermediate Education	1993	85.8	First Class with Distinction
SSC	St Joseph Convent EM High School	Board of Secondary Education	1991	80	First Class with Distinction

### 3. Experience:

Organization	Designation	Duration of Employment		Duration	Nature of Duties
		From	To		
JNTUA College of Engineering, Anantapur	Professor	Nov 2015	Till date	6 Years	Teaching & Research
JNTUA College of Engineering, Anantapur	Associate Professor	Nov 2009	Nov 2015	6 Years	Teaching & Research
JNTUA College of Engineering, Anantapur	Assistant Professor	May 2003	Nov 2009	6 Years 6 months	Teaching & Research
Intell Engineering College, Anantapur	Assistant Professor	Nov 1999	May 2003	2 Years 6 months	Teaching
Streamsoft Private Ltd., Hyderabad	Software Engineer	Mar 1998	Nov 1999	1 Year 8 months	Development of Software

### 4. Patents and research projects

#### a. Sponsored Research:

Sl.No	Name / purpose of the project	Sanctioned form DST/UGC/AICTE	Total Sanctioned amount	Status of the project	Total amount spent	Total amount left over	Utilization Certificate (if any)
1	Secure and Usable Authentication to Common People in Secure Systems	AICTE	10,00,000/-	Completed	9,72,715/-	1,11,851/-	Yes
2	A Model for Dynamic Data Verification Integrity in Cloud	UGC	90,000/-	Completed	80,260/-	1,975/-	Yes
3	National Seminar on Recent Trends in Networking & Security	APSCHE	40,000/-	Completed	40,000/-	--	Yes
4	STTP on Data Analytics and	AICTE	2,77,500/-	Completed	1,63,030/-	1,14,469/-	Yes

	Machine Learning using R and Python						
5	FDP on Block Chain	AICTE	93,000/-	Completed	85,000/-	8,000/-	Yes
6	FDP on Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)	AICTE	4,58,333/-	Completed	3,24,000/-	1,35,708/-	Yes

**b. Consultancy:**

	Name / purpose of the project	Sanctioned form DST/UGC/AICTE	Total Sanctioned amount	Status of the project	Total amount spent	Total amount left over	Utilization Certificate (if any)
-NIL-	-NIL-	NIL	-NIL-	-NIL-	NIL	-NIL-	-NIL-

**c. Patents**

S.no	Name of stream	Department	Obtained / filed	patent registered (National / International)	patent title	patent type (Product/ Process)	Patent Number	Patent Grant Year	Amount (Rs)	Whether (institutional /joint)
1	Engineering	CSE	Filed	National	Monitoring Tool for Mistake Proofing Quality Software	Process	2007/CHE/2015 A	2015	--	Joint
2	Engineering	CSE	Filed	National	A Method and a System for Enabling Secured Access to Data	Process	201841029964 A	2018	--	Joint

3	Engineering	CSE	Filed	National	Certificateless Remote Data Integrity Checking In Cloud Storage Using Lattices	Process	201841042685	2018	--	Joint
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### 5. List of publications: (NC/IC/NJ/IJ)

S.NO	Details of the Publication	(SCI/Scopus/UGC Care) and others
1.	Nageswararao Sirisala, C. Shoba Bindu, "Recommendations Based QoS Trust Aggregation and Routing in Mobile Adhoc Networks," International Journal of Communication Networks and Information Security (IJCNIS), ISSN: 2076-0930, Vol. 8, No. 3, December 2016, pp.215-220.	SCOPUS
2.	P. Dileep Kumar Reddy, R. Praveen Sam, C. Shoba Bindu "Optimal Blowfish Algorithm based Technique for Data Security in Cloud" International Journal of business intelligence and data Mining, ISSN: 1743-8187, Vol. 11, No. 2, 2016, pp.171-189.	SCOPUS
3.	K. Dhanasree Devi, C. Shoba Bindu, "PCHROME: Indexing the distributed materialised views," International Journal of Information and Decision Sciences ISSN: 1756-7025, Vol. 9, No. 1, February 2017, pp. 77-96.	SCOPUS
4.	Nageswararao Sirisala, C. Shoba Bindu, "A Novel QoS Trust Computation in MANETs Using Fuzzy Petri Nets," International Journal of Intelligent Engineering and Systems, ISSN: 2185-3118, Vol.10, No.2, 30 April 2017, pp:116-125, DOI: 10.22266/ijies2017.0430.13	SCOPUS
5.	G. Vijay Kumar, C. Shoba Bindu, "A New Method of User Association in Wireless Mesh Networks," International Journal of Communication Networks and Information Security (IJCNIS), ISSN: 2076-0930, Vol. 9, No. 1, April 2017, pp.12-21.	SCOPUS
6.	E. Poornima, N. Kasi Viswanath, C. Shoba Bindu, "Key Security Issues and Existing Solutions in Cloud Computing Applications," Indian Journal of Science and Technology, ISSN (Online): 0974-564, Vol 10(19), DOI: 10.17485/ijst/2017/v10i19/111016, May 2017, pp.1-7.	UGC
7.	L. Lakshmi, Dr. P. Bhaskara Reddy, Dr. C. Shoba Bindu, "An Effective nearest Keyword Search in Multifaceted Datasets," International Journal of Advanced Research in Computer Science, ISSN No. 0976-5697, Vol 8, No. 5, May – June 2017, pp.1059-	UGC

	1063.	
8.	K. K. Baseer, A. Rama Mohan Reddy, C. Shoba Bindu, "FPYM: Development and Application of a Fuzzy-based Poka-Yoke Model for the Improvement of Software Performance," Special Issue on Soft Computational Approaches for Risk Exploration in Global Software Development, International Journal of Innovative Computing and Applications, ISSN: 1751-6498, Vol. 8, No. 2, 27 June 2017. ( <a href="https://dx.doi.org/10.1504/IJICA.2017.10005901">https://dx.doi.org/10.1504/IJICA.2017.10005901</a> ).	SCOPUS
9.	L. Lakshmi, Dr. P. Bhaskara Reddy, Dr. C. Shoba Bindu, "Dynamic Tree Based Classification of Web Queries Using B-Tree and Simple Ordinal Classification Algorithm," Journal of Digital Information Management, ISSN: 0972-7272, Vol 15, No 3, June 2017, pp. 115-124. (SCOPUS)	SCOPUS
10.	G. Vijay Kumar, C. Shoba Bindu, "Liberal method of access point selection in wireless mesh networks," International Journal of Communication Networks and Distributed Systems, ISSN: 1754-3924, Vol. 19, No. 2, 07 July 2017. ( <a href="https://dx.doi.org/10.1504/IJCND.2017.10006114">https://dx.doi.org/10.1504/IJCND.2017.10006114</a> )	SCOPUS
11.	P Dileep Kumar Reddy, R Praveen Sam, C Shoba Bindu, "A Tripartite Partite Key Assignment Scheme for Security of Cloud Data classes," Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol.95. No 13, July 2017.pp. 3116-3126.	SCOPUS
12.	T. Shirisha, C. Shoba Bindu, P Dileep Kumar Reddy, "Privacy-Preserving Location-Based Spatial Range Query over SS-Tree Index Structure" International Journal of Scientific Research in Computer Science, Engineering, and Information Technology," Vol 2   Issue 4   ISSN: 2456-3307. August 2017	UGC
13.	Gowthami Nandi, C. Shoba Bindu, P Dileep Kumar Reddy, "International Journal of Advanced Studies in Computer Science & Engineering," Enhancing Trust Results Accuracy using R&R Trust Management Techniques in Cloud Computing, Vol 6, Issue 08, August 2017, ISSN 2278 7917.	UGC
14.	K Dronam Raj, C. Shoba Bindu, P Dileep Kumar Reddy, Improved Authentication and Protection of Data in the Cloud, "International Journal of Scientific Research in Science, Engineering, and Technology "Vol 3, Issue 5, Print ISSN: 2395-1990   Online ISSN: 2394-4099.	UGC
15	V. Shobhitha, C. Shoba Bindu, P Dileep Kumar Reddy, "Efficient Network Coding Using Secure Cloud Storage Protocol," International Journal of Computer Science and Mobile Applications, Vol.5 Issue. 8, August- 2017, pg. 48-54, ISSN: 2321-8363.	UGC

16	S. Danisha, C. Shoba Bindu, P Dileep Kumar Reddy, "Secure Hybrid encryption using ECC in cloud" International Journal of advanced research in computer science, Vol 8 Issue No 7 (July-August 2017) ISSN: 0976-5697	UGC
17	Manjusha konanki, C. Shoba Bindu, P Dileep Kumar Reddy, "Accurate and Efficient Nearest Keyword Set Search Using term frequency and Inverse document frequency in Datasets" International Journal of Emerging Technologies and Innovative Research(JETIR), ISSN:2349-5162, Vol.4, Issue 8, page no.157-161, August-2017	UGC
18	Sudarshan. E, Ch. Satyanarayana, and C. Shoba Bindu, "Parallel Scheme for Multi-Pass QMAX and Multi-Rate QMIN on GPU," International Research Journal of Management Science & Technology, Vol 8 Issue 9, Sept-2017. ISSN: 2250 – 1959.	UGC
19	P Dileep Kumar Reddy, C Shoba Bindu, R Praveen Sam, "Tri-Partite graph: a novel security scheme for cloud data," Computer Modelling & New Technologies, ISSN 1407-5814, 2017 21(2) pp. 41-47.	UGC
20	Sudarshan. E, Ch. Satya Narayana, and C. Shoba Bindu, "A Secured Model to Reduce the E-Health Record with Lossless BCWT on the Hybrid Cloud," International Journal of Applied Engineering Research, ISSN: 0973-4562, Volume 12, Number 16 (2017) pp. 5624-5630.	UGC
21	P Veeresh, R Praveen Sam and C Shoba Bindu, "Fuzzy Based Optimal QoS Constraint Services Composition in Mobile Ad Hoc Networks," International Journal of Communication Networks and Information Security (IJCNIS), ISSN: 2076-0930, Vol. 9, No. 3, December 2017, pp.491-499	UGC
22	Sudarshan. E, Ch. Satyanarayana, and C. Shoba Bindu,"A Compact Parallel Huffman Entropy Coding Technique On GPGPU Using CUDA," ARPN Journal of Engineering and Applied Sciences, VOL. 12, NO. 24, December 2017, ISSN 1819-6608, pp.7111-7117.	SCOPUS
23	Veeresh Poola, Praveen Sam R, Shoba Bindu C, "Trust-Based QoS Constraint Service Composition in Mobile Ad Hoc Network using Service Fuzzy Petri Nets," Journal of Advanced Research in Dynamical and Control Systems Vol. 9. Sp- 18 /2017, ISSN: 1943-023x, pp. 3070-3088,	SCOPUS
24	Sudarshan. E, Ch. Satyanarayana and C. Shoba Bindu, "A Parallel Unit Encoding Stage for BCWT using GPGPU," Journal of Image Processing & Pattern Recognition Progress, Vol. 4 Issue 3, ISSN: 2394-1995, (2017) pp.13-23.	UGC
25	M.Purushotham Reddy, B. Venkata Ramana Reddy, C. Shoba Bindu, "Lossy Image Compression Using Exponential Growth	UGC

	Equation and Encryption by Natural Exponential Function,” Journal of Image Processing & Pattern Recognition Progress, Vol. 4 Issue 3, ISSN: 2394-1995. (2017) pp.1-10.	
26	R. Raja Kumar, P. Viswanath, and C. Shoba Bindu, “An Approach to improve Nearest Neighbor Classifier Performance” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 1 (2017) pp. 8-14	SCOPUS
27	C. Shoba Bindu, K. K. Baseer, A. Sushma Deepth, “Improving the Readability of Automated Unit Test Case Generation,” International Journal of Research, Vol 05 Issue 04, February 2018, e-ISSN: 2348-6848 p-ISSN: 2348-795X, pp. 1960-1973	UGC
28	K. Pushpa Rani, L. Lakshmi, C. Shoba Bindu, G. Ramu, “Scalable List wise Online Learning Algorithm For Ranking Using Map Metrics,” International Journal of Pure and Applied Mathematics, Vol 118 No. 15 2018, 277-283 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (online version), pp.277-282,	UGC
29	Y. Sowmya, Dr. M Nagaratna, Dr. C Shoba Bindu, “M-Sanit: A Framework for Effective Big Data Sanitization Using Map Reduce Programming in Hadoop”, Journal of Theoretical and Applied Information Technology, Vol.96. No 6 March 2018, ISSN: 1992-8645, pp.1596-1605	SCOPUS
30	T. Mohan chowdary, C. Shoba bindu, P. Dileep Kumar Reddy, “Extracting User Interests From Weblog Through Time Frame Sequential Patterns”, “ International Journal For Research In Engineering Application & Management ”, Impact Factor: 5.646. ISSN: 2454-9150.	UGC
31	C. Sasikala, C. Shoba Bindu, “Certificateless remote data integrity checking using lattices in cloud storage”, Neural Computing & Applications (2018), Springer London. <a href="https://doi.org/10.1007/s00521-018-3546-6">https://doi.org/10.1007/s00521-018-3546-6</a> , ISSN: 0941-0643,	SCOPUS
32	K. Sudhaker, C. Shoba bindu, P. Dileep Kumar Reddy,” Improving The Performance Of Spatial Reusability Aware Routing In Multi Hope Wireless Networks”, IOSR Journal of Engineering (IOSRJEN) ISSN (e): 2250-3021, ISSN (p): 2278- 8719 Vol. 08, Issue 6 (June. 2018), PP 48-53	UGC
33	G. Manoranjan, C. Shoba bindu, P. Dileep Kumar Reddy, “Service composition using QoS parameters in Mobile Ad-hoc Networks”, International Journal of Emerging Technologies and Innovative Research(JETIR), June 2018, Volume 5, Issue 06, pp. 380-385, ISSN:2349-5162,	UGC
34	M. Purushotham Reddy, B. Venkata Ramana Reddy, C. Shoba Bindu, “Image Compression Using Exponential Growth Equation and Discrete Cosine Transform”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 01-Special Issue, 2018,	UGC

	pp. 165-174, ISSN 1943-023X.	
35	L Lakshmi, Dr.P. Bhaskara Reddy and Dr.C.Shoba Bindu, "SLOLAR: Scalable List wise Online Learning Algorithm for Ranking", Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 03-Special Issue, 2018, pp. 755-764, ISSN 1943-023X.	SCOPUS
36	M. Purushotham Reddy, B. Venkata Ramana Reddy, C. Shoba Bindu, "The Lossless Medical Image Compression for Telemedicine Applications with Delimiter", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 03, 2018, pp. 74-79, ISSN 1943-023X	SCOPUS
37	K. Shyam Sunder Reddy, C. Shoba Bindu, "RTDBSTREAM: A Real-Time Density-Based Clustering for Evolving Data Streams", Journal of Theoretical and Applied Information Technology, Vol.96. No 12, June 2018, pp. 3973-3983, ISSN: 1992-8645	SCOPUS
38	Eruvaram, P., Ramani, K. & Bindu, C.S., "An experimental comparative study on slide change detection in lecture videos", International Journal information Technology (2018). <a href="https://doi.org/10.1007/s41870-018-0210-4">https://doi.org/10.1007/s41870-018-0210-4</a> , Springer Singapore, July 2018, ISSN 2511-2104	UGC
39	M. Purushotham Reddy, B. Venkata Ramana Reddy, C. Shoba Bindu, "An image encryption algorithm using logarithmic function and Henon-chaotic function", International Journal Computational Vision and Robotics, Vol. 8, No. 4, 2018, ISSN print: 1752-9131	SCOPUS
40	Sumangala Patil, A. Nagaraja Rao, C. Shoba Bindu, "Class level software fault prediction using step wise linear regression", International Journal of Engineering & Technology, 7(4) (2018), pp. 2552-2557, ISSN: 2227-524X.	SCOPUS
41	G.B. Hima Bindu, K. Ramani, C. Shoba Bindu (2018) 'Energy aware multi objective genetic algorithm for task scheduling in cloud computing', International Journal of Internet Protocol Technology, Vol. 11, No. 4, pp.242-249, ISSN: 1743-8209	SCOPUS
42	Sasikala Chinthakunta and Shoba Bindu Chigarepalli, "Certificateless Dynamic Data Integrity Verification using Lattices in Cloud Storage", International Journal of Grid and Distributed Computing, Vol. 11, No. 10 (2018), pp.65-74, <a href="http://dx.doi.org/10.14257/ijgdc.2018.11.10.06">http://dx.doi.org/10.14257/ijgdc.2018.11.10.06</a> , ISSN: 2005-4262	UGC
43	K. Dhana Sree, C. Shoba Bindu, "Data Analytics: Why Data Normalization", International Journal of Engineering & Technology, 7 (4.6) (2018), pp. 209-213, ISSN: 2227-524X	SCOPUS
44	Y. Sowmya, M Naga Ratna, C Shoba Bindu, "Differential Privacy Based Solution for Protecting Privacy of Big Data", International Journal of Computer Sciences and Engineering, Vol.-6, Issue-6,	UGC



	June 2018, pp. 707-713, E-ISSN: 2347-2693	
45	Y. Sowmya, M Naga Ratna, C Shoba Bindu, "M-Sanit: Evaluation of Misusability Measure Based Big Data Sanitization", International Journal of Pure and Applied Mathematics, Vol 119 No. 18 2018, pp. 1859-1870, ISSN: 1314-3395	UGC
46	K. Shyam Sunder Reddy, C. Shoba Bindu, "StreamSW: A Density-based Approach for Clustering Data Streams over Sliding Windows", Measurement (2018), doi: <a href="https://doi.org/10.1016/j.measurement.2018.11.041">https://doi.org/10.1016/j.measurement.2018.11.041</a> , ISSN: 0263-2241	SCOPUS
47	L.Sudha Rani, S.Zahoor-UI-Huq, C.Shoba Bindu, "A Inspection on Sentiment Research of Big Data: Techniques, Open Challenges", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-6S4, April 2019.	SCOPUS
48	Shaik Imam Saheb, Khaleel-Ur-Rahman Khan, C. Shoba Bindu, "An Intersection Point Based Optimal Node Placement Algorithm for Wireless Sensor Networks". International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-8, June 2019.	SCOPUS
49	P. Namratha, C. Shoba Bindu and S. Sri Lakshmi, "Key Generation and Encryption Using Laplace Transform for Data Security in Cloud". Journal of Advanced Research in Dynamical and Control Systems, Volume 11, Issue 6, July 2019, pp. 174-180. ISSN: 1943-023X	SCOPUS
50	M. Sobhitha, C.Shoba Bindu and E. Sudheer Kumar. "Multi-Focus Fused Image Using Inception-Resnet V2", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-10, August 2019.	SCOPUS
51	T Venkata Naga Jayudu, M Rama Krishna Reddy, C Shoba Bindu, "Greedy Knapsack Based Energy Efficient Routing in WMSNS" , International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-10, August 2019	SCOPUS
52	P.Veeresh, R Praveen Sam, C.Shoba Bindu, "Reliable Fault Tolerance system for service composition in Mobile Adhoc Networks" , International Journal of Electrical and Computer Engineering (IJECE), ISSN:2088-8708, Vol.9, No. 4, August 2019, pp. 2523-2533.	SCOPUS
53	B. Muni Lavanya, C Shoba Bindu, "Fuzzy logic based Channel Selection Algorithm for Wireless Mesh Networks", International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-309, Volume 8, No.5, September - October 2019.	SCOPUS

54	P. Namratha, C. Shoba Bindu, "A Systematic Framework for Securing Cloud Data", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-3, September 2019.	SCOPUS
55	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, "Aspect Term Extraction for Aspect Based Opinion Mining" , International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September 2019.	SCOPUS
56	Raj Mohammed Mohd, C. Shoba Bindu, D. Vasumathi, "Secure Remote User Authentication Using PassScript & PassText", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-4, November 2019.	SCOPUS
57	Sumangala Patil, A.Nagaraja Rao, C. Shoba Bindu "An evolutionary approach for software defect prediction on high dimensional data using subspace clustering and machine learning", Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol.97. No 21, November 2019	SCOPUS
58	C.Sasikala and C.Shoba Bindu "Certificateless Batch verification protocol to ensure data integrity in multi cloud using Lattices", International Journal of Internet Protocol Technology, ISSN: 1743-8217, Vol. 12, No. 4, 2019.	SCOPUS
59	L Lakshmi, P. Bhaskara Reddy C.Shoba Bindu, N. Aravind Kumar "Dynamic navigation of web query results using B-tree and improved page rank algorithm", Int. J. Computing Science and Mathematics, ISSN: 1752-5055, Vol. 10, No. 2, 2019, pp. 193-202,	SCOPUS
60	B. Muni Lavanya, C Shoba Bindu, G. Vijaya Kumar, "User Throughput based Channel Assignment Method for IEEE 802.11 Multi- Channel Multi-Radio Wireless Mesh Networks", Journal of Adv Research in Dynamical & Control Systems, Vol. 11, Special Issue-05, 2019, , pp. 2195-2208. ISSN: 1943-023X	SCOPUS
61	B. Muni Lavanya, C Shoba Bindu, G. Vijaya Kumar, "Internet traffic based channel selection in multi-radio multi-channel wireless mesh networks", International Journal of Communication Networks and Information Security, ISSN: 2076-0930, Vol. 11, No. 2, August 2019, pp.262-269.	SCOPUS
62	Sumangala Patil, A.Nagaraja Rao, C. Shoba Bindu "Subspace clustering based class level software fault prediction using symbiotic particle swarm optimization and ensemble extreme learning", Journal of Computational and Theoretical Nanoscience, ISSN: 1546-1955, Vol. 16, 1-8, 2019	SCOPUS
63	Sumangala Patil, A.Nagaraja Rao, C. Shoba Bindu "Semi-Supervised Machine Learning and Adaptive Data Clustering Approach for Software Defect Prediction", Internation Journal of	SCOPUS

	Simulation: Systems, Science & Technology, ISSN: 1473-804x, Volume 20, Number 1, February 2019. DOI 10.5013/IJSSST.a.20.01.19	
64	P. Namratha, C. Shoba Bindu, and S. Sri Lakshmi “A Novel Knowledge-Based Authentication Framework using Correlation Coefficient and LU Factorization approaches”, TEST Engineering & Management, ISSN: 0193-4120, March-April 2020.	SCOPUS
65	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, “Aspect Category Polarity Detection Using Multi Class Support Vector Machine With Lexicons Based Features And Vector Based Features”, Journal of Critical Reviews ISSN: 2394-5125, Volume-7 Issue-12, 2020.	SCOPUS
66	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, “Aspect Category Detection Using Multi Label Multi Class Support Vector Machine With Semantic And Lexical Features”, Journal of Critical Reviews ISSN: 2394-5125, Volume-7 Issue-18, 2020.	SCOPUS
67	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, “Combined Approach For Aspect Term Extraction In Aspect-Based Sentiment Analysis”, Journal of Adv Research in Dynamical & Control Systems, Vol. 12, Special Issue-06, 2020, , pp. 2182-2189. ISSN: 1943-023X	SCOPUS
68	E.Poornima , N.Kasiviswanath, C. Shoba Bindu “ADaas: A Secure Attribute Based Group Signature based Agri-Cloud Framework” International Journal of Advanced Intelligence Paradigms), Inderscience Publishers, ISSN :1755-0386	SCOPUS
69	Akkipogu Vineela, N. Kasiviswanath, Shoba Bindu C “Advanced Redistribution Meta Storage Algorithm for Securing Big Data in Cloud computing” International Journal of Advanced Intelligence Paradigms), Inderscience Publishers, ISSN: 1755-0386	SCOPUS
70	Srilakshmi, V., Anuradha, K. & Shoba Bindu, C. “Stochastic gradient-CAViaR-based deep belief network for text categorization.” Evol. Intel. (2020), ISSN: 1864-5909 (Print) 1864-5917 (Online) (Scopus), <a href="https://doi.org/10.1007/s12065-020-00449-x">https://doi.org/10.1007/s12065-020-00449-x</a>	SCOPUS
71	K. Dhanasree, C. Shoba Bindu, “CB-Pattern Trees: Identifying Distributed Nodes where Materialization is Available” International Journal of Data Mining & Knowledge Management Process (IJDkp), ISSN: 2230–9608, DOI: 10.5121/ijdkp.2016.6102, Vol.6, No.1, January 2016, pp: 13-25.	OTHERS
72	B. Muni Lavanya and C. Shoba Bindu, “Systematic Literature Review On Resource Allocation And Resource Scheduling In Cloud Computing”, International Journal of Advanced Information Technology (IJAIT) Vol. 6, No.4, August 2016, ISSN: 2231 – 1920, DOI: 10.5121/ijait.2016.6401, pp: 1-15.	OTHERS

73	E. Poornima, N. Kasi Viswanath, C. Shoba Bindu, “Key Security Issues and Existing Solutions in Cloud Computing Applications,” Indian Journal of Science and Technology, ISSN (Online): 0974-564, Vol 10(19), DOI: 10.17485/ijst/2017/v10i19/111016, May 2017, pp.1-7.(IC Value : 5.02)	OTHERS
74	L. Lakshmi, Dr. P. Bhaskara Reddy, Dr. C. Shoba Bindu, “An Effective nearest Keyword Search in Multifaceted Datasets,” International Journal of Advanced Research in Computer Science, ISSN No. 0976-5697, Vol 8, No. 5, May – June 2017, pp.1059-1063. (ICV 65.64)	OTHERS
75	K. Ramya, C. Shoba Bindu, P.Dileep Kumar Reddy, “A Dynamic Proxy Oriented Approach for Remote Data Integrity checking along with Secure Deduplication in Cloud”, International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE),August 2017 Vol 3 Issue 8, ISSN 2454 – 4248, (UGC Approved), Impact Factor: 2.293 Journal No: 64076. (Impact Factor: 6.035)	OTHERS
76	L. Lakshmi, Dr. P. BhaskaraReddy, Dr. C. Shoba Bindu, “Improved Distance Page Rank Algorithm,” International Journal of Soft Computing, ISSN: 1816-9503, 12(1), 2017 pp. 26-30.	OTHERS
77	R. Raja Kumar, P. Viswanath, and C. Shoba Bindu, “Nearest Neighbor Classifiers: A Review,” International Journal of Computational Intelligence Research, ISSN 0973-1873 Vol 13, Number 2 (2017), pp. 303-311.	OTHERS
78	C. Shoba Bindu, E Sudheer Kumar, K K Baseer, “An Essence of Soft Computing Techniques on Software Development Life Cycle,” Computer Society of India communications, ISSN: 0970-647X, Volume No. 40, Issue No. 12, March 2017.	OTHERS
79	S.Mahaboob Basha, C. Shoba bindu, C. Sasikala, P. Dileep Kumar Reddy, “Certificateless Public Auditing Protocol In Cloud”, “International Journal of Research in Advent Technology (IJRAT)”, Impact Factor: 5.153 (UGC Approved: 48768).Vol.6, No.5, May 2018 E-ISSN: 2321-9637, pp. 660-664	OTHERS
80	C. Shoba Bindu, K. K. Baseer, V. Ravikanth, “Optimizing The Code Coverage By Controlling Environmental Dependencies in Unit Testing”, i-manager’s Journal on Software Engineering, Vol. 12, No. 3, January - March 2018, pp. 8-15, ISSN: 0973-5151, Impact Factor : 3.765.	OTHERS
81	T Venkata Naga Jayudu, M Rama Krishna Reddy, C Shoba Bindu, “ Data Merge based Energy Efficient Routing Algorithm for Wireless Multimedia Sensor Networks”, International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 28, No. 16, (2019), pp. 480-490,	OTHERS

82	Pinapatruni, R., Shoba Bindu, C. “Learning image representation from image reconstruction for content-based medical image retrieval”, Signal, Image and Video Processing SIViP (2020). <a href="https://doi.org/10.1007/s11760-020-01670-y">https://doi.org/10.1007/s11760-020-01670-y</a>	OTHERS
83	P. Namratha, C. Shoba Bindu, and S. Sri Lakshmi “A Novel Knowledge-Based Authentication Framework using Correlation Coefficient and LU Factorization approaches”, TEST Engineering & Management, ISSN: 0193-4120, March-April 2020. (Scopus)	SCOPUS
84	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, “Aspect Category Polarity Detection Using Multi Class Support Vector Machine With Lexicons Based Features And Vector Based Features”, Journal of Critical Reviews ISSN: 2394-5125, Volume-7 Issue-12, 2020. (Scopus)	SCOPUS
85	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, “Aspect Category Detection Using Multi Label Multi Class Support Vector Machine With Semantic And Lexical Features”, Journal of Critical Reviews ISSN: 2394-5125, Volume-7 Issue-18, 2020. (Scopus)	SCOPUS
86	M Yesubabu, P. Vijaya Pal Reddy, C. Shoba Bindu, “Combined Approach For Aspect Term Extraction In Aspect-Based Sentiment Analysis”, Journal of Adv Research in Dynamical & Control Systems, Vol. 12, Special Issue-06, 2020, , pp. 2182-2189. ISSN: 1943-023X (SCOPUS)	SCOPUS
87	T Venkata Naga Jayudu, M Rama Krishna Reddy, C Shoba Bindu, “ Diversified Data Collection through Diversified Mobile Vehicles in Large Wireless Sensor Networks of Smart cities”, International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 2, (2020), pp. 4463 – 4477	UGC
88	Srilakshmi, V., Anuradha, K. & Shoba Bindu, C. “Stochastic gradient-CAViaR-based deep belief network for text categorization.” Evol. Intel. (2020), ISSN: 1864-5909 (Print) 1864-5917 (Online) (Scopus), <a href="https://doi.org/10.1007/s12065-020-00449-x">https://doi.org/10.1007/s12065-020-00449-x</a>	SCOPUS
89	Srilakshmi, V., Anuradha, K. and Bindu, C.S. (2020), "Optimized deep belief network and entropy-based hybrid bounding model for incremental text categorization", International Journal of Web Information Systems, Vol. 16 No. 3, pp. 347-368. <a href="https://doi.org/10.1108/IJWIS-03-2020-0015">https://doi.org/10.1108/IJWIS-03-2020-0015</a>	UGC
90	G. B. Hima Bindu, K. Ramani, and C. Shoba Bindu, “Optimized resource scheduling using the meta heuristic algorithm in cloud computing.” IAENG International Journal of Computer Science, vol. 47, no. 3, pp. 360– 366, 2020, ISSN : 1819-656X	UGC
91	T.Mamatha, B. Rama Subba Reddy, C Shoba Bindu, “Root Cause Detection and Test Case Generation for Student Academics” ,	UGC

	International Journal of Advanced Trends in Computer Science and Engineering, Volume 9, No.4, July – August 2020, pp. 6706-6709, ISSN 2278-3091	
92	Kumar, E.S., Bindu, C.S. Two-stage framework for optic disc segmentation and estimation of cup-to-disc ratio using deep learning technique. J Ambient Intell Human Comput (2021). <a href="https://doi.org/10.1007/s12652-021-02977">https://doi.org/10.1007/s12652-021-02977</a>	C
93	G.B. Hima Bindu, K. Ramani and C. Shoba Bindu, “ Multi-Objective Dynamic Resource Scheduling Model for Allocating User Tasks in the cloud computing”, Turkish Journal of Computer and Mathematics Education, Vol.12 No.9 (2021), pp. 509 - 515, ISSN: 1309-4653 <a href="https://doi.org/10.17762/turcomat.v12i9.3107">https://doi.org/10.17762/turcomat.v12i9.3107</a>	OTHERS
94	Bhuvaneswari, Praveen Sam & Shoba Bindu, (2021). EPMD: Effective Prediction Model for Diseases by reducing the dimensions and applying clustering with different machine learning algorithms, Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition), 40(6). doi: <a href="https://doicatalog.org/19.4103/jjue.v40i6.1981">https://doicatalog.org/19.4103/jjue.v40i6.1981</a>	UGC
95	Srilakshmi, V., Anuradha, K., and Shoba Bindu, C. ‘Incremental Text Categorization Based on Hybrid Optimization-based Deep Belief Neural Network’. Journal of High Speed Networks, vol. 27, no. 2, pp. 183-202, 2021. doi: 10.3233/JHS-210659	UGC
96	E Sudheer Kumar, C. Shoba Bindu. “MDCF: Multi-Disease Classification Framework on Fundus Image Using Ensemble CNN Models”, Journal of Jilin University (Engineering and Technology Edition), ISSN : 1671-5497, Vol: 40 Issue: 09-2021, September 2021. <a href="https://doi.org/10.17605/OSF.IO/ZHA9C">https://doi.org/10.17605/OSF.IO/ZHA9C</a> (SCOPUS)	SCOPUS
97	E. Sudheer Kumar, C. Shoba Bindu, “Joint Optic Disc and Cup Segmentation for the Identification of Glaucoma Using Fully Convolutional Neural Network”, Design Engineering, Issue. 7, ISSN: 0011-9342, pp. 16034 - 16046, Nov. 2021. (SCOPUS)	SCOPUS

#### **b. International/ National Conferences:**

<b>S.NO</b>	<b>Details of the Publication</b>	<b>(IEEE/IET) and others</b>
1.	R. Raj Kumar, P. Viswanath, C. Shoba Bindu, “An Approach to Reduce the Computational Burden of Nearest Neighbor Classifier”, International Conference on Computational Modeling and Security (CMS 2016), RLJIT, Doddaballapur, Bengaluru, Karnataka, India, February 11-13, 2016, Publisher: Elsevier Science Procedia Technology. (SCOPUS)	Elsevier

2.	R. Raj Kumar, P. Viswanath, C. Shoba Bindu, "Nearest Neighbor Classifiers: Reducing the Computational Demands", 6th IEEE International Advance Computing Conference (IACC-016) February 27-28, 2016, SRKR Engineering College, Bhimavaram, Andhra Pradesh, India, Publisher: IEEE	IEEE
3.	1) C. Shoba Bindu, A. Yugandhar Reddy, P. Dilip Kumar Reddy, "Intelligent SRTF: A New Approach to Reduce the number of context switches in SRTF", 28-30 May 2016, 1 <sup>st</sup> International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, India. (SCOPUS)	ICCII
4.	Raj Mohammed Mohd, C. Shoba Bindu, D. Vasumathi, "Secure User Authentication with Graphical Passwords and PassText", 28-30 May 2016, 1 <sup>st</sup> International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, India. (SCOPUS)	ICCII
5.	R. Raj Kumar, P. Viswanath, C. Shoba Bindu "A cascaded method to reduce the computational burden on nearest neighbor classifier", 28-30 May 2016, 1 <sup>st</sup> International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, India.	ICCII
6.	M. Vasavi, C. Shoba Bindu, " Mobile Relay Based Topology control Algorithm for energy efficiency in Mobile Ad Hoc Networks" 20-21October 2016, International Conference on Emerging Trends in Engineering Research (ICTER'16), Vels University, Chennai.	ICTER
7.	Kumari A S, C. Shoba Bindu, "Multipath Routing using feedback based mechanisms in wireless mesh networks" 20-21 October 2016, International Conference on Emerging Trends in Engineering Research (ICTER'16), Vels University, Chennai.	ICTER
8.	Vellori Gowthami, C. Shoba Bindu, "Novel signature mechanisms for multi-view plus depth 3D videos" 20-21October 2016, International Conference on Emerging Trends in Engineering Research (ICTER'16), Vels University,	ICTER

	Chennai.	
9.	P. Hemavathi, C. Shoba Bindu, "Improving the recognition accuracy of natural facial expression" 20-22 October 2016, International conference on advanced computing and communications (ICACC-2016), Shri Vishnu Engineering college for women, Vishnupur, Bhimavaram.	ICACC
10.	L Lakshmi, Dr. P. Bhaskara Reddy, and Dr. C. Shoba Bindu, "A Comparative Study of Navigation Techniques and Information Retrieval Algorithms for Web Mining", 25-27 October 2016, International Conference on Soft Computing Techniques in Engineering and Technology (ASCTET)-2016, St.Peter's Engineering College, Hyderabad.	ASCTET
11.	Krishna Murthy, Dr. C. Shoba Bindu, "A Trust-aware Routing Framework for multihop authentication in wireless sensor networks", 11 <sup>th</sup> November 2016, International conference on-chip, circuitry, current, combustion & composites (i7C-2016), Sri Sairam college of engineering, Ankel, Bangalore.	OTHERS
12.	K. Dhanasree, C. Shoba Bindu, "A survey on OLAP", 15 - 17 December 2016, IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), Agni College of Technology, Chennai. (SCOPUS)	IEEE
13	Shyam sunder Reddy K, C. Shoba Bindu, "A Review on Density-Based Clustering Algorithms for Big Data Analysis", 10-11 Feb 2017, International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2017), SCAD Institute of Technology, Palladam, T.N. (SCOPUS)	OTHERS
14	Purushotham Reddy M., Venkata Ramana Reddy B, Shoba Bindu C, "Image Encryption by Exponential Growth Equation", April 27th – 29th, 2017, International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017), vol 668. Springer, Singapore, MITS, Madanapalle, Andhra Pradesh, India. (SCOPUS)	ICAIECES
15	E. Sudarshan, Ch. Satyanarayana, C. Shoba Bindu, "A	ICCTCEEC



	parallel RLE Entropy Coding Technique for DICOM Images on GPGPU”, International Conference on Current Trends in Computer, Electrical, Electronics & Communication (ICCTCEEC-2017), 8-9 Sep 2017, Vidhyavardhaka College of Engineering, Mysuru, Karnataka. <b>(SCOPUS)</b>	
16	P. Dilip Kumar Reddy, R. Praveen Sam, C. Shoba Bindu, “A Tripartite Key Generation and Management for security of Cloud Data Classes”, 25-27 Sep 2017, 2 <sup>nd</sup> International Conference on Computational Intelligence and Informatics (ICCII 2017), JNTUH College of Engineering, Hyderabad, Telangana, India. <b>(SCOPUS)</b>	ICCII
17	C. Sasikala, C. Shoba Bindu, “A Study on Remote Data Integrity Checking Techniques in Cloud”, 14-15 Nov 2017, International Conference on Public key infrastructure and its applications, CDAC Bengaluru. <b>(SCOPUS)</b>	OTHERS
18	Muni Lavanya, C. Shoba Bindu, G. Vijay Kumar, “A Study on channel assignment Algorithms for Multi-Channel Multi-Radio Wireless Mesh Networks”, 7-8 December 2017, International Conference on Intelligent Sustainable Systems (ICISS 2017), SCAD Institute of Technology, Palladam, T.N. <b>(SCOPUS)</b>	ICISS
19	Lakshmi L., Bhaskara Reddy P., Shoba Bindu C. (2018) Dynamic Navigation of Query Results Based on Hash-Based Indexing Using Improved Distance PageRank Algorithm. International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017), vol 668. Springer, Singapore. <b>(SCOPUS)</b>	ICAIECES
20	Veeresh P, R Praveen Sam, and C Shoba Bindu, “Energy Constraint Service Discovery and Composition in Mobile Ad Hoc Networks” 25-27 Sep 2017, 2 <sup>nd</sup> International Conference on Computational Intelligence and Informatics (ICCII 2017), JNTUH College of Engineering, Hyderabad, Telangana, India.	ICCII
21	Hima Bindu G B, Ramani K and Shoba Bindu C, “Investigations on Energy Aware Scheduling Algorithms in Cloud Computing”, 28-29th Jan 2018, International Conference on Electrical, Electronics, Computers,	OTHERS

	Communication, Mechanical and Computing (EECCMC), Priyadarshini Engineering College, Chettiyappanur, Vaniyambadi - 635751, Vellore District, Tamil Nadu, India.	
22	Purushotham E, Ramani K and Shoba Bindu C, “Modified Global Pixel Difference Method for Key Frame Detection in Lecture videos”, 28-29th Jan 2018, International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), Priyadarshini Engineering College, Chettiyappanur, Vaniyambadi - 635751, Vellore District, Tamil Nadu, India.	OTHERS
23	P Namratha, C Shoba Bindu, S SriLakshmi “Securing Cloud Data using Laplace transform based Encryption”, 7-8 February 2018, UNICODE-2018: 1st International Conference on Universal Computing, Communications and Data Engineering, Department of Computer Science, Sri Padmavati Mahila University, Tirupati.	OTHERS
24	Poornima E., Kasiviswanath N., Shoba Bindu C. (2019) Secured Data Sharing in Groups Using Attribute-Based Broadcast Encryption in Hybrid Cloud. In: Rathore V., Worring M., Mishra D., Joshi A., Maheshwari S. (eds) Emerging Trends in Expert Applications and Security. Advances in Intelligent Systems and Computing, vol 841. Springer, Singapore, <a href="https://doi.org/10.1007/978-981-13-2285-3_83">https://doi.org/10.1007/978-981-13-2285-3_83</a> , Proceedings of International Conference on Expert Applications & Security (ICETEAS2018), Feb 17-18, 2018, Jaipur Engineering College And Research Centre. (SCOPUS)	ICETEAS
25	Venkata Latha Sai Saranya Kasa, C. Shoba Bindu, Nageswararao Sirisala. “Trusted Quality of Service Routing Protocol in Mobile Ad-hoc Networks”, 18-19 May 2018. 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), Dept of ECE, Sri Venkateshwara College of Engineering, Bangalore.	RTEICT
26	Srilakshmi, Sandhya, C. Shoba Bindu, “A probability Revelance Classification Approach for Service information Discovery using Semantic Domain Knowledge”, 12-13 July 2018, International Conference on Research Advancements in Applied Engineering Sciences, Computer and communication Technologies (ICRAAESCCT-2018), B.V. Raju Institute of Technology, Narsapur, Telengana.	ICRAAESCCT
27	Rohini, C. Shoba Bindu, “Quantified Local Trio Patterns for Multimedia Image Retrieval System”, 27-28 July 2018,	ICIECE

	7th International conference on Innovations in Electronics and communication Engineering (ICIECE-2018), Gurunanak Institutions Technical Campus, Hyderabad.	
28	Dr. R. Raja Kumar, Dr. G. Kishore Kumar, Dr. P. Viswanath, Dr. C. Shoba Bindu, "Issues with Nearest Neighbor Classification", 21-22 December, 2018, 2nd International Conference on Emerging Trends in Engineering, Sciences & Management – 2018 (ICEESM'18), Rajeev Gandhi Memorial College of Engineering & Technology (RGM CET), Nandyal, Andhra Pradesh, India.	ICEESM
29	Sudheer Kumar E., Shoba Bindu C. Medical Image Analysis Using Deep Learning: A Systematic Literature Review. In: Emerging Technologies in Computer Engineering: Microservices in Big Data Analytics (ICETCE 2019). Communications in Computer and Information Science, vol 985, pp 81-97, 18 <sup>th</sup> May 2019, Print ISBN: 978-981-13-8299-4, Online ISBN: 978-981-13-8300-7, <a href="https://doi.org/10.1007/978-981-13-8300-7_8">https://doi.org/10.1007/978-981-13-8300-7_8</a> . Springer, Singapore.	ICETCE
30	Raj Mohammed Mohd, C. Shoba Bindu, D. Vasumathi "Authentication using User drawn Passdoodles " Springer Proceedings of International Conference on Networks and Cryptology(NetCrypt'2019) held at JNU, New Delhi. (In Press)	SPRINGER
31	K. Naveen, C. Shoba Bindu, "Certificateless Data Integrity Checking and Data Sharing with Sensitive Information Hiding in Cloud Storage", DST Sponsored National Conference on Recent Advancements in Computer Science (CON-RACS 2019), 26-28 July 2019, at Mahatma Gandhi National Institute of Research & Social Action, Hyderabad.	OTHERS
32	N. Saddam Hussain, C. Shoba Bindu, "An Enhanced Deep Learning Method for Video Retrieval", DST Sponsored National Conference on Recent Advancements in Computer Science (CON-RACS 2019), 26-28 July 2019, at Mahatma Gandhi National Institute of Research & Social Action, Hyderabad.	OTHERS
33	K. Vineeth Reddy, C. Shoba Bindu, "Intensifying The Accuracy Of Finger-Vein Image Identification Using Convolutional Neural Networks", DST Sponsored National Conference on Recent Advancements in Computer Science (CON-RACS 2019), 26-28 July 2019, at Mahatma Gandhi National Institute of Research & Social Action, Hyderabad.	OTHERS

34	E. S. Kumar and C. S. Bindu, "An Efficient Approach to Accomplish Automatic Segmentation of Optic Cup Using Modified U-Net," 2020 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), Kharagpur, India, 2020, pp. 1-5, doi: 10.1109/ICCCNT49239.2020.9225537.	ICCCNT
35	O. Roopa Devi, C. Shoba Bindu, E. Sudheer Kumar, "Multi-Scale Convolutional Neural Network for Automatic Identification of Glaucoma in Fundus Image", Third International Conference on Soft Computing and Signal Processing (ICSCSP-2020) Aug 21-22, 2020, Malla Reddy College of Engineering & Technology, Hyderabad, India.	ICSCSP
36	Y. Nagendra Prasad, C. Shoba Bindu, E. Sudheer Kumar, P. Dileep Kumar Reddy, "An Automatic Identification of Diabetic Macular Edema using Transfer Learning", 2nd International Conference On Computational And Bioengineering (CBE-2020) Dec 04-05, 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.	OTHERS
37	V. Sujatha, C. Shoba Bindu, G. Vijay Kumar, P. Dileep Kumar Reddy, "An Automatic Identification of Diabetic Macular Edema using Transfer Learning", 2nd International Conference On Computational And Bioengineering (CBE-2020) Dec 04-05, 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.	OTHERS
38	K.Sri Harsha, C. Shoba Bindu, E. Sudheer Kumar, P. Dileep Kumar Reddy, "A robust approach for people counting in dense crowd images using deep neural networks", AICTE Sponsored International E-Conference On Computational And Communication Systems For A Fourth Industrial Revolution (AICERA 2020) Dec 14-16, 2020, Amal Jyothi College of Engineering, Kanjirappally, Kerala, India.	OTHERS
39	E. S. Kumar and C. S. Bindu, "An Efficient Approach to Accomplish Automatic Segmentation of Optic Cup Using Modified U-Net," 2020 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), Kharagpur, India, 2020, pp. 1-5, doi: 10.1109/ICCCNT49239.2020.9225537.	OTHERS
40	O. Roopa Devi, C. Shoba Bindu, E. Sudheer Kumar, "Multi-Scale Convolutional Neural Network for Automatic Identification of Glaucoma in Fundus Image", Third International Conference on Soft Computing and Signal Processing(ICSCSP-2020)Aug 21-22, 2020, Malla Reddy College of Engineering & Technology, Hyderabad, India.	OTHERS
41	Y. Nagendra Prasad, C. Shoba Bindu, E. Sudheer Kumar,P. Dileep Kumar Reddy, "An Automatic Identification of	OTHERS

	Diabetic Macular Edema using Transfer Learning”, 2nd International Conference On Computational And Bioengineering (CBE-2020) Dec 04-05, 2020,Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.	
42	V. Sujatha, C. Shoba Bindu, G. Vijay Kumar, P. Dileep Kumar Reddy, “”, 2nd International Conference On Computational And Bioengineering(CBE-2020) Dec 04-05, 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.	OTHERS
43	K.SriHarsha, C. Shoba Bindu, E. Sudheer Kumar, P. Dileep Kumar Reddy, “A robust approach for people counting in dense crowd images using deep neural networks”, AICTE Sponsored International E-Conference On Computational And Communication Systems For A Fourth Industrial Revolution (AICERA 2020) Dec 14-16, 2020,AmalJyothi College of Engineering, Kanjirappally, Kerala, India.	OTHERS
44	Dhana Sree Devi K., Shoba Bindu C. (2021) CNN Architectures to Recognize Handwritten Telugu Characters. In: Satapathy S.C., Bhateja V., Favorskaya M.N., Adilakshmi T. (eds) Smart Computing Techniques and Applications. Smart Innovation, Systems and Technologies, vol 225. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-0878-0_23">https://doi.org/10.1007/978-981-16-0878-0_23</a>	OTHERS
	S. Kumar and C. S. Bindu, "Segmentation of Retinal Lesions in Fundus Images: A Patch Based Approach Using Encoder-Decoder Neural Network," 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), 2021, pp. 1247-1253, doi: 10.1109/ICACCS51430.2021.9441964.	
	K. Shriya, C. Shoba Bindu, E. Sudheer Kumar, “Leaf Image Classification of Plant Diseases using Deep Learning”, 2nd International Conference on Data Intelligence and Cognitive Informatics (ICDICI-2021), 16-17 July 2021, Organized by SCAD College of Engineering and Technology, Tirunelveli, T.N	
	P. Mohan Krishna, C. Shoba Bindu, E. Sudheer Kumar, “Deep Learning Approach for Diagnosing COVID19 in CT images”, 2nd International Conference on Data Intelligence and Cognitive Informatics (ICDICI-2021), 16-17 July 2021, Organized by SCAD College of Engineering and Technology, Tirunelveli, T.N	

**c. Book/Book Chapters:**

S.NO	Title of Book/Chapter	Name of the Publication, edition and year	Book / Book Chapter
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1	Deep Convolutional Neural Network-Based Analysis for Breast Cancer Histology Images	IGI Global, 2020	Book Chapter
2	Concepts of Programming	JNTUA for Orientation Programme, 2019	Book
3	Hybridizing Spectral Clustering with Shadow Clustering	Springer, Singapore, 2019	Book Chapter
4	Security in Ubiquitous Computing Environment: Vulnerabilities, Attacks and Defenses	Springer, Cham, 2019	Book Chapter
5	Mobile Adhoc Networks: A Research Perspective	Lap Lambert Academic Publishers, 2018	Book
6	Access point selection Algorithms for Wireless Mesh Networks	Lap Lambert Academic Publishers, 2018	Book
7	Linux Programming	Lap Lambert Academic Publishers, 2018	Book
8	FUZZY and POKA-YOKE in SDLC	Lap Lambert Academic Publishers, 2018	Book
9	Data Compaction Techniques	IGI Global, 2018	Book Chapter
10	Programming in JAVA	Lap Lambert Academic Publishers, 2017	Book

## 6. Workshops/Training Programs/FDPs attended and Organized (for the last three years):

### a. Workshops Organized

S.No	Workshops	Place	Duration
1	Organized a National Level Student Symposium "PIXEL2K19" in JNTUCEA, Ananthapuramu, during 22-24 March 2019, as <b>Coordinator.</b>	Anantapur	22-24 March 2019
2	Organized a Two-Day Workshop On Deep Learning Using Python at JNTUCEA, Ananthapuramu, during 23 <sup>rd</sup> -24 <sup>th</sup> Mar 2019, Sponsoring Agency by TEQIP-III and IEEE Ananthapuramu Subsection & IEEE CIS/GRSS Joint Chapter, Hyderabad, as <b>Coordinator.</b>	Anantapur	23 <sup>rd</sup> -24 <sup>th</sup> Mar 2019

3	Organized a Two-Day Workshop On Design Thinking, Innovation and Startup at JNTUCEA, Ananthapuramu, during 14 <sup>rd</sup> -15 <sup>th</sup> October 2019, Sponsored by TEQIP-III as <b>Convenor</b> .	Anantapur	14 <sup>rd</sup> -15 <sup>th</sup> October 2019
4	Organized a One-Day Workshop On Manthan-An Ideathon at JNTUCEA, Ananthapuramu, during 7 <sup>th</sup> November 2019, Sponsored by TEQIP-III as <b>Coordinator</b> .	Anantapur	7 <sup>th</sup> November 2019

#### b. Workshops Attended

S.No	Workshops	Place	Duration
1	Attended One day workshop on “21st century Teaching Strategies” on 16th September 2017, organized by Directorate of Faculty Development Centre, JNTUA.	Anantapur	16th September 2017
2	Attended Transforming Education for Humanity (TECH) 2018, organized by MGIEP & MHRD, Visakhapatnam, during Nov 15-17, 2018.	Visakhapatnam	Nov 15-17, 2018
3	Attended one day Workshop on “Awareness on Career Growth Prospects for Reliability Engineering Professionals with Industry Collaborations” on 21st June 2019, organized by JNTUA CEA, Ananthapuramu.	Ananthapuramu	21st June 2019

4	Attended TEQIP-III sponsored Two Day National Level workshop on “Digital Pedagogy for Effective Teaching and Learning” during 23-24 November 2019, organized by JNTUA CEA, Ananthapuramu.	Ananthapuramu	23-24 November 2019
5	Attended TEQIP-III sponsored Three Day National workshop on “Pedagogical Skills for Faculty in Outcome-Based Education” during 6-8 December 2019, organized by JNTUA CEA, Ananthapuramu.	Ananthapuramu	6-8 December 2019
6	Attended TEQIP-III sponsored Two Day workshop on “Development of MOOCs and Production Techniques” during 17-18 January 2020, organized by JNTUA CEA, Ananthapuramu.	Ananthapuramu	18 January 2020
7	Participated in the session “IEEE Xplore Digital Library: Delivering Research Better Than Ever” Organized by IEEE Education Society Chapter of IEEE Hyderabad Section held on 05 April 2020	Hyderabad	05 April 2020
8	Participated in webinar based Talk series #1 on “Consent & Data – Cyber security perspective” Organized by Computer Society of India in association with IEEE Education Society, Chapter of IEEE Hyderabad Section held on 05 April 2020.	Hyderabad	05 April 2020



9	Participated in Student Faculty Training Program on “Data Science”, a three day online workshop Organized by IEEE Computer Society, IEEE Hyderabad Section held between 23rd-25th April 2020	Hyderabad	23rd-25th April 2020
10	Successfully completed Workshop on “Basic Programming using Python” the self-learning course with A+ grade in April 2020, offered by the FOSSEE project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt.of India.	Bombay	1 <sup>st</sup> April 2020
11	Participated and successfully completed the online workshop on Universal Human Values on the theme “Inculcating Universal Human Values in Technical Education” during 18-22 April, 2020, organized by All India Council for Technical Education (AICTE).	Ananthapuramu	18-22 April, 2020

**c. Training Programs/FDPs Organized**

S.No	Training Programs/FDPs	Place	Duration
1	Organized a One week FDP On Digital Manufacturing (Industrial Robotics) at JNTUCEA, Ananthapuramu, during 18th-23rd November 2019, Sponsored by TEQIP-III as Convenor.	Ananthapuramu	18th-23rd November 2019
2	Organized a One Week	Ananthapuramu	13-18 June

	AICTE Sponsored STTP on “Data Analytics and machine Learning using R and Python” during 13-18 June 2020 as Coordinator.		2020
3	Organized a One Week AICTE Sponsored STTP on “Data Analytics and machine Learning using R and Python” during 3-8 August 2020 as Coordinator.	Ananthapuramu	3-8 August 2020
4	Organized a One Week ATAL FDP on “Block Chain” during 8-12 September 2020 as Coordinator.	Ananthapuramu	8-12 September 2020
5	Organized a Two Week AICTE Sponsored FDP on “ Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)” during 12-23 October 2020 as Coordinator	Ananthapuramu	12-23 October 2020
6	Organized a Two Week AICTE Sponsored FDP on “ Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)” during 17-28 November 2020 as Coordinator	Ananthapuramu	17-28 November 2020
7	Organized a Two-Day Workshop on “Agile Project Management: The journey for Young Corporates” at JNTUCEA, Ananthapuramu, during 23 <sup>rd</sup> -24 <sup>th</sup> March 2021, Sponsored by TEQIP-III as <b>Convenor</b> .	Ananthapuramu	23 <sup>rd</sup> -24 <sup>th</sup> March 2021

8	Organized a One Week ATAL FDP on “Cyber Security Analytics” during 17-21 May 2021 as Coordinator.	Ananthapuramu	17-21 May 2021
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**d. Training Programs/FDPs Attended**

S.No	Training Programs/FDPs	Place	Duration
1	Attended AICTE Sponsored Training Program on “Data Analytics using R”, Organized by Department of Computer Science & Engineering, IIT Kharagpur, during 20-26 November 2017.	Kharagpur	20-26 November 2017.
2	Attended One Week Faculty Development Programme on “Design and development of MOOCS through Swayam”, (18 <sup>th</sup> January 2019 to 23 <sup>rd</sup> January 2019) Organized by Electronics & ICT Academy, NIT Warangal, at JNTUA CEA, Ananthapuramu.	Ananthapuramu	18 <sup>th</sup> January 2019 to 23 <sup>rd</sup> January 2019
3	Attended TEQIP-III sponsored One-Week Faculty Development Programme on Leadership Skills during 19-24 August 2019, organized by JNTUA CEA, Ananthapuramu and University College of Engineering & Technology, Bikaner Technical University, Bikaner, Rajasthan.	Ananthapuramu	19-24 August 2019

4	<p>Attended TEQIP-III sponsored One-Week Faculty Development Programme on Research Methodology and Data Analysis during 23-28 September 2019, organized by JNTUA CEA, Ananthapuramu.</p>	Ananthapuramu	23-28 September 2019
5	<p>Participated &amp; completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on “Cyber Security” from 25-05-2020 to 29-05-2020, Organized by Punjab Engineering College (Deemed to be University).</p>	Punjab	25-29-May -2020
6	<p>Participated in 5 days FDP on “Entrepreneurship &amp; Innovation” from 09-06-2020 to 13-06-2020 organized by Entrepreneurship Development Cell, Parul University, Vadodara, Gujarat(India) supported by Student Start-up and Innovation policy (SSIP), Government of Gujarat.</p>	Vadodara	09-06-2020 to 13-06-2020
7	<p>Participated &amp; completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Block chain” from 22-06-2020 to 26-06-2020 at JNTUA College of Engineering (Autonomous), Pulivendula.</p>	Pulivendula	22-06-2020 to 26-06-2020

8	<p>1) Participated in One week online FDP on One Week Online International Faculty Development Programme on “Machine Learning and Computer Vision: Applications, Research Challenges (MLCV2020)” during 24<sup>th</sup> to 28<sup>th</sup> August 2020, organized by NIT Silchar and GUIST, Gowahati sponsored by TEQIP-III.</p>	Gowahati	24 <sup>th</sup> to 28 <sup>th</sup> August 2020
9	<p>Successfully completed “Foundational Artificial Intelligence” an industry recommended and validated course aligned to SSC NASSCOM Foundation AI curriculum, issued by SkillUp Online on April 28, 2020</p>	Online	April 28, 2020
10	<p>Participated &amp; completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Developing consciousness (Transcendental Meditation)” from 2020-9-22 to 2020-9-26 at JNTUA, Ananthapuramu.</p>	Ananthapuramu	22-09-2020 to 26-09-2020
11	<p>Participated &amp; completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Artificial Intelligence” from</p>	Chittoor	02-11-2020 to 06-11-2020

	2020-11-2 to 2020-11-6 at Indian Institute of Information Technology Sri City, Chittoor		
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**e. Keynotes/ Session Chairs/ Seminars:**

- 1) Keynote Address on “Research issues in Wireless Mesh Networks” 5<sup>th</sup> National Conference on “Computer Networks & Information Security” (NCCNIS 2016) under TEQIP-II, from 6 - 7 April, 2016, organized by Vasavi College of Engineering, Hyderabad.
- 2) Delivered a lecture on “Women Entrepreneurs – Indian Context” as Resource Person for the IEEE WIE Zonal Student Congress-20 I 6-Ananthapur Zone organized by GPREC, Kurnool, on 11<sup>th</sup> March 2016.
- 3) Delivered an invited talk on “Cyber Security Challenges and the way forward” UGC Sponsored National Conference on Academia Digital Transformation [Challenges and Opportunities] (NCADT-2017), Organized by Internal Quality Assurance Cell (IQAC), SSBN Degree College (Autonomous), Ananthapuramu, 15-16 Dec 2017.
- 4) Delivered an invited talk on “Digital Transformations- A new industrial revolution” on 15<sup>th</sup> September 2018 in view of Engineers Day being organized by IE (I) Ananthapuramu Local Chapter.
- 5) Delivered a lecture on “Security mechanisms based on Cryptography, User Authentication Techniques and Research Perspectives” on 10<sup>th</sup> June 2019 , DST sponsored Two Week FDP on “Emerging Trends and Research Challenges in Cyber Security, Cryptanalysis and Cyber Physical Systems” from 10-21 June 2019 at Chadalawada Ramanamma Engineering College (Autonomous), Tirupati.
- 6) Delivered Sessions on “Overview of Data Science & Big Data Analytics and Tools used” on 11<sup>th</sup> Sep 2019, AICTE sponsored Two Week FDP on “DATA Science & Big Data Analytics” from 11-21 September 2019 at NBKR Institute of Science & Technology (Autonomous), Vidyanagar.
- 7) Delivered a lecture on “Introduction to Artificial Intelligence, Deep Learning and Machine Learning”, on 18<sup>th</sup> November, 2019, DST Sponsored three day workshop on Artificial Intelligence, Deep Learning and Machine Learning from 18<sup>th</sup> – 20<sup>th</sup> Nov, 2019, organized by GATES Institute of Technology, Gooty.
- 8) Delivered a invited talk on “Entrepreneurship as a career option”, DST-NIMAT Sponsored three day Entrepreneurship Awareness Camp (EAC) from 28-30 Jan 2020, organized by Entrepreneurship Development Cell, Annamacharya college of Pharmacy, Rajampet.
- 9) Delivered a lecture on “Data Streaming”, on 18/7/2020, One Week AICTE Sponsored STTP on “Data Analytics and machine Learning using R and Python” during 13-18 June 2020 at JNTUA College of Engineering, Ananthapuramu.
- 10) Delivered a lecture on “Introduction to data science”, on 3/8/2020, One Week AICTE Sponsored STTP on “Data Analytics and machine Learning using R and Python” during 3-8 August 2020 at JNTUA College of Engineering, Ananthapuramu.
- 11) Delivered a lecture on “Security and Privacy in IoT”, on 23/10/2020, Two Week AICTE Sponsored FDP on “ Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)” during 12-23 October 2020 at JNTUA College of Engineering, Ananthapuramu.
- 12) Delivered a session on “Security and Privacy in IoT” on 13/11/2020, AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Programme (FDP) on

INTERNET OF THINGS from 09th ~ 13th November, 2020 at JNTUA College of Engineering, Kalikiri

- 13) Delivered a session on “Cyber security” on 16/11/2020, AICTE sponsored one week Online Short Term Training Programme on “Cyber Security & Block-Chain Technologies” organized by Department of Computer Science and Engineering, GNITC from 16th November to 21st November 2020
- 14) Delivered a lecture on “Introduction to AI”, on 17/11/2020, Two Week AICTE Sponsored FDP on “Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)” during 17-28 November 2020 at JNTUA College of Engineering, Ananthapuramu.
- 15) Delivered a lecture on “Cryptographic Algorithms for IoT & Authentication and Key Exchange in IoT”, on 23/11/2020, Two Week AICTE Sponsored FDP on “Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)” during 17-28 November 2020 at JNTUA College of Engineering, Ananthapuramu.
- 16) Delivered a session on “Introduction to Artificial Intelligence” on 7/12/2020, AICTE Sponsored One week online short Term training Program Series-4 “Role of Artificial Intelligence in Engineering applications” from 14-19 December 2020 at Sanskrithi School of Engineering, Puttaparthi.
- 17) Acted as a Session Chair for 5<sup>th</sup> National Conference on “Computer Networks & Information Security” (NCCNIS 2016) under TEQIP-II, from 6 – 7 April 2016, organized by Vasavi College of Engineering, Hyderabad.
- 18) Acted as a session chair for 1<sup>st</sup> International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, 28-30 May 2016.
- 19) Acted as a Session Chair for Second International Conference on Cognitive Science and Artificial Intelligence (ICCSAI-2018), Sree Vidyanikethan Engineering College, Tirupati, 4-5 Jan 2018.
- 20) Acted as “Session Chair” for 3<sup>rd</sup> International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT-2018), SRIT, Ananthapuramu, 20-22 Dec 2018.
- 21) Acted as “Program Chair” for International Conference on System Automation, Reliability, Quality Control, Safety, Maintenance & Management (ICSARQCSMM-2019), JNTUA College of Engineering, Ananthapuramu, 11-13 Dec 2019.
- 22) Acted as “Session chair” for International Conference on Recent Advancements in Engineering and Management (ICRAEM-2020), organized by Sumathi Reddy Institute of Technology for Women (SRITW), Telangana during 9th & 10th October-2020
- 23) Acted as “Session Chair” for Virtual 2nd International Conference on Computational and Bio Engineering (CBE’20), Jointly Organized by Department of Computer Science and Department of Bioscience & Sericulture Sri Padmavati Mahila Visvavidyalayam (Women’s University) during 4-5 December 2020.

## 7. Academic Details

### a. Subjects courses taken/Labs

Academic year	I Sem	II Sem
2016-17	TCP/IP Internetworking, Advanced Network Technologies, Operating Systems Lab	Human Values & Professional Ethics, Research Methodology, Linux Lab
2017-18	Operating Systems, Operating Systems and Data Mining Lab	Cryptography & Network Security, Linux Programming Lab

<b>2018-19</b>	Computer Networks	Cyber Security, Operating Systems Lab
<b>2019-20</b>	Advanced Network Technologies, Java Programming Lab	Cyber Security, Linux Programming Lab
<b>2020-21</b>	Advanced Network Technologies Cyber Security	Cloud computing lab Distributed Systems Advanced Data structures Advanced Data structures Lab

### **b. B. Tech Projects Guided**

<b>S.No</b>	<b>Admission No</b>	<b>Title of the Project</b>	<b>Year</b>
1	12001A0522 12001A0556	Detecting Malicious Packet Loss in wireless networks	2016
2	12001A0543 12001A0545	Message Authentication using Perfect numbers and user authentication using color Model	2016
3	13001A0501 13001A0529	Feedback System	2017
4	13001A0544 13001A0550	Student Attendance Management System	2017
5	13001A0506 13001A0542	Traffic Signal Control System	2017
6	14001A0557 14001A0551	Online library management system	2018
7	14001A0531 14001A0532	Online feedback system	2018
8	14001A0543 15005A0507	Advanced Intelligent Tourist Guide	2018
9	14001A0534 14001A0535	Event Management Website	2018
10	15001A0514 15001A0558	Academics Module in College Portal	2019
11	15001A0518 15001A0504	Cells Module in College Portal	2019
12	15001A0556 15001A0509	Departments Module in College Portal	2019

### **c. M.Tech Projects Guided**

<b>S.No</b>	<b>Admission No</b>	<b>Title of the Project</b>	<b>Year</b>
1	14001D5123	Novel Signature mechanisms for multi view plus depth 3D videos	2016
2	14001D5118	Multipath Routing using Feedback Based Mechanisms in Wireless Mesh Networks	2016
3	14001D5124	Mobile Relay Based Topology control Algorithms for energy efficiency in mobile Adhoc Networks	2016
4	14001D5103	Power Management for Multi-Channel MAC protocol in Adhoc Wireless Networks	2016
5	14001D5320	Trusted Framework for Multihop message authentication	2016
6	14001D5311	Concept Based sentence modelling for extractive speech summarization	2016



7	14001D5315	Improving the Recognition Accuracy of facial Emotions	2016
8	14001D5202	Optimizing the code coverage by controlling environmental Dependences in unit testing	2016
9	14001D5217	Improving the readability of automated unit test cases generation	2016
10	15001D5103	Enhancing Trust Results Accuracy Using R&R Trust Management Techniques In Cloud Computing	2017
11	15001D5105	Secure Hybrid Encryption Using ECC In Clouds	2017
12	15001D5101	Improved Authentication And Protection Of Data In The Cloud	2017
13	15001D5130	Efficient Network Coding Using Secure Cloud Storage Protocol	2017
14	15001D5134	A Dynamic Proxy Oriented Approach For Remote Data Integrity Checking Along With Deduplication In Cloud	2017
15	15001D5211	Privacy Preserving Location Based Spatial Range Query Over Ss-Tree Index Structure	2017
16	15001D5227	Accurate And Efficient Nearest Keyword Set Search Using Term Frequency And Inverse Document Frequency In Datasets	2017
17	16001D5105	Trusted Quality of service routing protocol in Mobile Adhoc Networks	2018
18	16001D5205	Certificateless Public Auditing Protocol in Cloud	2018
19	16001D5418	Improving the Performance of Spatial Reusability Aware Routing in Multi-Hop Wireless Networks	2018
20	16001D5115	Efficient Approach for Deduplication and Restoration Using References and Multiple Drives in Cloud Storage	2018
21	16001D5305	Extracting User Interest from Weblog through Time Frame User Sequential Patterns	2018
22	17001D5109	An Enhanced Deep Learning Method for Video Retrieval	2019
23	17001D5302	Intensifying The Accuracy Of Finger-Vein Image Identification Using Convolutional Neural Networks	2019
24	17001D5113	Certificateless Data Integrity Checking and Data Sharing with Sensitive Information Hiding in Cloud Storage	2019
25	17001D5214	Services Composition In Mobile Ad Hoc Networks Using Rough Sets	2019
26	17001D5403	A Novel Method for Intrusion Detection Systems Using Support Vector Machine	2019
27	18001D5111	Multi-Scale Convolution Neural network for Automatic Identification of Glaucoma in Fundus Image	2020
28	18001D5306	An Automatic Identification of Diabetic Macular Edema Using Transfer Learning	2020
29	18001D5104	An Adaptive Channel Assignment Strategy for Multi-Radio Multi-Channel Wireless Mesh Networks with Mobile Nodes Based on Internet Traffic	2020
30	18001D5307	A Robust Approach for People Counting in Dense Crowd Images using Deep Neural Networks	2020

#### d. MCA Projects Guided

S.No	Admission No	Title of the Project	Year
1	13001F0024	Student Information System	2016

2	13001F0034	Keyword Search On Spacial Databases	2016
3	13001F0035	Ranking Fraud Detection For Mobile Apps	2016
4	13001F0036	Document Protector With Watermark Maker	2016
5	13001F0042	Implementation Of A Cost –Efficient Multi Cloud Data Storage Service	2016
6	14001F0003	College Alumni Portal	2017
7	14001F0022	Online Itemization Structure	2017
8	14001F0024	Android Application For Protecting The People From Human Attacks	2017
9	14001F0054	Online Portal For Student Information	2017
10	14001F0056	Android Application For Railway Reservation	2017
11	15001F0013	Online Leave Management System	2018
12	15001F0053	Innovative Scheduler	2018
13	15001F0007	Split the Spending's	2018
14	15001F0005	Online medicine management system for hospitals	2018
15	16001F0007	JNTUA Student Counseling Management System	2019
16	16001F0011	JNTUA Hostel Provision Management System	2019
17	16001F0027	Employee Performance Evaluation and Appraisal Calculation.	2019
18	16001F0048	Analysis of Historical Breast Cancer Images Using Deep Learning	2019
19	16001F0052	JNTUACEA Consolidated Marks Memo and Provisional Certificate	2019

#### e. PhD scholars

S.No	Admission No	Title of the research work	Research Status
1	14PH0521	Mrs. P. Namratha, “A Frame work for Securing Shared Data in the Cloud”, Nov 2020 (Supervisor) by JNTUA.	Completed
2	12PH0506	Mrs. Sumangala patel, “Defect Prediction on High Dimensional Data using Statistical methods”, July 2020 (Co-Supervisor) by JNTUA.	Completed
3	11PH0523	Mrs. Y. Sowmya, “Exploring Privacy Preserving Knowledge Discovery from Big Data”, June 2020 (Co-Supervisor) by JNTUA.	Completed
4	14PH0523	Mrs. B. Muni Lavanya (Reg.No. 14PH0523), “Effective Channel Allocation Techniques in Multi-Radio Multi-Channel Wireless Mesh Networks”	Completed
5	13PH0517	Mrs. C. Sasikala, “Remote Data Integrity Checking Using Certificateless Cryptography in Cloud Storage”	Completed
6	13PH0525	Mrs. E. Poornima, “Secure Data Sharing for Multiple Dynamic Groups Using Attribute based Cryptography in Cloud”	Completed
7	13PH0513	Mr. M. Purushotham Reddy, “Effective Techniques for Digital Image Compression and Security”	Completed
8	12PH0509	Mr. K. Shyam Sunder Reddy,” Effective Density-Based Clustering Methods for Streaming Data”	Completed
9	13PH0512	Mr. P. Veeresh,” Optimal service Composition based on QoS Constraints in Mobile Adhoc Networks”	Completed

10	13PH0501	Mrs. L. Lakshmi Rangamma, “Dynamic Navigation of web queries using B-Trees and learn to rank algorithm”	Completed
11	11Pho511	Mr. R. Raja Kumar , “Reducing the computational requirements of nearest neighbor classifier”	Completed
12	13PH0520	Mr. P. Dileep Kumar Reddy, “Optimal security for sensitive data in Cloud Computing”	Completed
13	12Ph0514	Mr. Sudarshan.E, “Parallel Approach for Backward Coding of Wavelet Trees with CUDA”	Completed
14	11PH0503	Mr. S. Nageswara Rao, “Enhanced Quality of Service Routing Protocols through Trust Computation in Mobile Adhoc Networks”	Completed
15	11PH0515	Mr. G. Vijaya Kumar, “A Cross Layer Design for an Access Point Handling in IEEE 802. Based Wireless Mesh Networks”	Completed
16	11PH0502	Mrs. K. Dhana Sree, “Distributed View Indexing Schemes for Efficient Query Processing”	Completed
17	11PH0526	Mr. Kamalapuram Khaja Baseer, “Enhanced Models for quality Improvement in Software Development Process Fuzzy Based and Poka-Yoke Approaches”	Completed
18	15PH0508	G.B.Hima Bindu, “A study of Energy aware task scheduling and QoS management issues in Cloud Computing”	Pursuing
19	15PH0523	N.Ramadevi, “Measurement model based localization and tracking for mobile wireless sensor networks”	Pursuing
20	16PH0514	P. Rohini, “Content Based Image Retrieval using Map Reduce Over Hadoop”	Pursuing
21	17PHI0501	Sudheer Kumar.E, “Multi modal analysis based Computer Aided Diagnosis in human Beings using Machine Learning Techniques”	Pursuing
22	17PHI0503	K.Vivekananda Reddy, “A study on inter cloud security issues and service oriented composites for multi-cloud based operations”	Pursuing
23	18PH0505	Ashraf Ali Shaik, “Medical Image Classification for Disease Detection using Deep Learning Techniques”	Pursuing
24	18PH0506	Y. Anitha, “Enhanced Trust and Privacy Preserving Methods in Online Social Networks”	Pursuing

## 8. Development activities

a. Product Development:

b. Research laboratories:

c. Instructional materials:

d. Working models/charts/monograms etc.

## 9. Administrative works supported:

- 1) Incharge Director Research & development, JNTU Anantapur, 26<sup>th</sup> Oct 2020 to Till Date
- 2) Director Skill Development Centre & Incubation Centre, JNTU Anantapur, July 2019 to Till Date
- 3) Chairman Research Review Committee, JNTUA Anantapuramu, January 2017 to July 2019
- 4) Coordinator MSIT, JNTUA Anantapuramu, February 2016 to Till Date
- 5) Nodal Officer, NMEICT, JNTUA Anantapur, Dec 2012 to Till Date 2018 to July 2019
- 6) Coordinator Software Development Centre, JNTUA Ananthapuramu, January
- 7) Head, Computer Science & Engineering, JNTUA Anantapur, from Nov 2012 to Jan 2015
- 8) Officer- In-charge of Entrepreneur Development cell, JNTUACEA from Jan 2012 to March 2013
- 9) Officer-In-charge of Academic Section, JNTUACEA Jan 2009 to May 2011

## 10. Awards and Rewards:

- 1) Received **Outstanding Scientist Award** for the contributions in the field of Computer Science by Centre for Advanced Research and Design, Venus International Foundation in Dec 2016.
- 2) Received ISTE AP & TS section Late Sri. Jasti Sree Krishna Murthy Garu Award for **“Best Engineering Teacher in AP& TS 2016”** sponsored by VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad, at 11<sup>th</sup> ISTE AP & TS Section annual convention and award functions on 2<sup>nd</sup> March 2017.
- 3) Received **“Shayesta Akhtar Memorial National Award for Best Women Engineering College Teacher 2017”** by **Indian Society for Technical Education** in recognition of her outstanding contribution to the Academic Community and Students at 47<sup>th</sup> ISTE National Annual Convention held at Saintgits College of Engineering, Kottayam from 27<sup>th</sup> – 29<sup>th</sup> Jan 2018.
- 4) Received Certificate of **Outstanding Contribution in Reviewing** in Jan 2018 by Elsevier in cooperation with King Saud University in recognition of the contributions made to the quality of Journal of King Saud University - Computer and Information Sciences.
- 5) Received **“State Teacher Award for 2018”**, by Government of Andhra Pradesh in recognition of her meritorious service as a Teacher at University level on 5<sup>th</sup> September 2018 at Amaravathi.
- 6) Received ISTE AP State **“VRSEC Award for Best Computer Science Engineering Teacher 2018** in A.P Sponsored by Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada” on 18th March 2019 at Siddarth Institute of Engineering & Technology, Puttur.
- 7) Received **“Best Paper Award”**, for the paper **“Medical Image Analysis using Deep Learning: A Systematic Literature Review”** in the 2<sup>nd</sup> International Conference held at SKIT Jaipur during Feb 01-02, 2019.

## 12. Social activities (NSS/NCC/Any other):

<b>SNO</b>	<b>NSS/NCC/Other</b>	<b>Event</b>	<b>Name of the Organisation</b>	<b>Role</b>	<b>Date</b>
1	NSS	UNIVERSITY LEVEL NSS YOUTH FESTIVAL	JNTUA	Judge	Jan 29 <sup>th</sup> 2016
2	OTHERS	NATIONAL LEVEL TECHNICAL SYMPOSIUM SHODHANA 2K16	GATES INSTITUTE OF TECHNOLOGY	Judge	Feb 27 <sup>th</sup> 2016.
3	OTHERS	COMPUTER NETWORKS & INFORMATION SECURITY(NCCNIS 2016)	VASAVI COLLEGE OF ENGINEERING, HYDERABAD	Session Chair	6 – 7 April 2016
4	OTHERS	PIXEL-2K16 THREE DAY NATIONAL LEVEL TECHNICAL SYMPOSIUM	JNTUA COLLEGE OF ENGINEERING, ANANTHAPURAMU	Judge	19 <sup>th</sup> – 21 <sup>st</sup> March 2016
5	OTHERS	SIGMA-2K16, 9 <sup>TH</sup> NATIONAL LEVEL STUDENTS TECHNICAL FEST	SANTHIRAM ENGINEERING COLLEGE, NANDHYAL	Judge	28/09/2016
6	OTHERS	INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE AND INFORMATICS (ICCI 2016)	JNTUH COLLEGE OF ENGINEERING, HYDERABAD, TELANGANA	session chair	28-30 May 2016
7	OTHERS	SECOND INTERNATIONAL CONFERENCE ON COGNITIVE SCIENCE AND ARTIFICIAL INTELLIGENCE (ICCSAI-2018)	SREE VIDHYANIKETHAN ENGINEERING COLLEGE, TIRUPATI	Session Chair	4-5 Jan 2018
8	OTHERS	INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRICAL, COMMUNICATION AND INFORMATION TECHNOLOGIES (ICECIT-2018)	SRIT, ANANTHAPURAMU	Session Chair	20-22 Dec 2018

9	OTHERS	INTERNATIONAL CONFERENCE ON SYSTEM AUTOMATION, RELIABILITY, QUALITY CONTROL, SAFETY, MAINTENANCE & MANAGEMENT (ICSARQCSMM-2019)	JNTUA COLLEGE OF ENGINEERING, ANANTHAPURAMU	Program Chair	11-13 Dec 2019
10	OTHERS	INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN ENGINEERING AND MANAGEMENT (ICRAEM-2020)	<i>SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN (SRITW), TELANGANA</i>	Session chair	9th & 10th October-2020
11	OTHERS	VIRTUAL 2ND INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND BIO ENGINEERING (CBE'20)	JOINTLY ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND DEPARTMENT OF BIOSCIENCE & SERICULTURE SRI PADMAVATI MAHILA VISVAVIDYALAYAM (WOMEN'S UNIVERSITY)	Session Chair	4-5 December 2020.

### **Community Services Programs:**

- 1) Organized a 15 days "Training programme on information technology for unemployed rural youth" in JNTUCEA, Anantapuramu, during 28-11-2005 to 14-12-2005, Sponsoring Agency by TEQIP, JNTUCEA, Anantapuramu, **as Coordinator.**
- 2) Organized a six-day "Training programme on information technology for unemployed rural youth" in JNTUCEA, Anantapuramu, during 07-01-2008 to 12-01-2008, Sponsoring Agency by TEQIP, JNTUCEA, Anantapuramu, **as Coordinator.**
- 3) Organized a six-day "Training programme on Computer Awareness for Pensioners" in JNTUCEA, Anantapuramu, during 16-05-2011 to 21-05-2011, Sponsoring Agency by JNTUCEA, Anantapuramu, **as Coordinator.**
- 4) Organized a Training programme on "Internet technology for Housewives" in JNTUCEA, Ananthapuramu, during 30-01-2008 to 01-02-2008, Sponsoring Agency by TEQIP, JNTUCEA, Anantapuramu, **as Coordinator.**