



**Dr. C. Shoba Bindu**

M.Tech., Ph.D

Professor, Department of CSE  
and Director Research & Development  
Jawaharlal Nehru Technological University Anantapur  
Ananthapuramu – 515 002, Andhra Pradesh, India

## Bio-data

Name : Dr. C. Shoba Bindu

Parents : Mr. C. Pratap Chandra Reddy & Mrs. C. Reddamma

Official Address : Professor,  
Computer Science & Engineering Department,  
JNTUA College of Engineering, Ananthapuramu  
Ph.No: 8143289089

Residential Address : Flat. No. 402,  
PAR Homes,  
II cross, Aravinda Nagar,  
Ananthapuramu – 515002  
08554-240626

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shobabindhu.cse@jntua.ac.in

Nationality : Indian

Religion : Hindu

Date of Birth & Place of Birth : 01/07/1976

### Educational Qualifications:

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	JNTU, Anantapur	Computer Science & Engineering	2010
2.	M.Tech	JNT University, Hyderabad/ JNTU College of Engg., Anantapur	Computer Science	2002
3.	B.Tech	JNT University, Hyderabad/ JNTU College of Engg., Anantapur	Electronics & Communication Engg.	1997

### Details of Doctoral thesis:

Area : Network Security

Title : “Design and Analysis of Efficient Password based Remote User Authentication Techniques”

Supervisor : Dr. P. Chandra Sekhar Reddy

Year of award of Ph.D : 2010

Professional Experience :

S.No.	Institution/Organization	Position held	Duration
1	JNTU College of Engg. Anantapur	Professor Dept of CSE	Nov 2015 - Till date
2	JNTU College of Engg. Anantapur	Associate Professor Dept of CSE	Nov 2009 - Nov 2015
3	JNTU College of Engg. Anantapur	Assistant Professor Dept of CSE	May 2003 - Nov 2009
4.	Intell Engineering College, Anantapur	Assistant Professor Dept of CSE	Nov 1999 - May 2003
5	Streamsoft Private Ltd	Software Engineer	Mar 1998 - Nov 1999

Administrative Experience :

S.No.	Administrative Post held	Duration
1.	Director Research & Development	April 2021 to till date
2.	Incharge Director Research & Development	Nov 2020 to April 2021
3.	Director Skill Development Centre & Incubation Centre	July 2019-June 2021
4.	Coordinator Software Development Centre, JNTUA Ananthapuramu	Jan 2018 to July 2019
5.	Chairman Research Review Committee, JNTUA Ananthapuramu	Jan 2017 to July 2019
6.	Coordinator MSIT, JNTUA, Ananthapuramu	Feb 2016 to Till Date
7.	Nodal Officer, NMEICT, JNTUA Anantapur	Dec 2012 to Till Date
8.	Coordinator of Spoken Tutorial Resource Centre & Nodal Officer - JNTUA Spoken Tutorial Implementation Team, JNTUACEA	July 2014-Till Date
9.	Head, Computer Science & Engineering, JNTUA Anantapur	2012 – 2015
10.	Officer- In-charge of Entrepreneur Development cell, JNTUACEA	2012 – 2013
11.	Officer-In-charge of Academic Section, JNTUACEA	2009 – 2011

Teaching Experience: 22 + years for UG & PG students

Subjects Taught:

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none"><li>❖ Real Time Systems</li><li>❖ Information Security</li><li>❖ Network Security</li><li>❖ Network Security &amp; Cryptography</li><li>❖ Computer Networks Lab</li><li>❖ Embedded Systems</li><li>❖ Computer Organization</li><li>❖ Computer Networks</li><li>❖ CN &amp; OS lab</li><li>❖ C programming &amp; Data Structures</li><li>❖ Internetworking with TCP/IP</li><li>❖ Linux Programming &amp; UML Lab</li></ul>	<ul style="list-style-type: none"><li>❖ Network Security</li><li>❖ Unix Internals</li><li>❖ Software Metrics</li><li>❖ UNIX and UML Lab</li><li>❖ Operating Systems</li><li>❖ Case Tools lab</li><li>❖ Programming in JAVA Lab</li><li>❖ Distributed Operating Systems</li><li>❖ High Speed Computer Networks</li><li>❖ Middleware Technologies</li><li>❖ Secure Software Engineering</li><li>❖ Software Metrics and Reuse</li><li>❖ Modern Operating System</li><li>❖ Internetworking with TCP/IP</li><li>❖ Information Security</li><li>❖ Advanced Data Structures &amp; Algorithms</li><li>❖ Advance Network Technologies</li><li>❖ ADSA &amp; DBMS Lab</li><li>❖ Operating Systems Lab</li></ul>

Key note/ Invited/Guest lectures:

- 1) Delivered an expert lecture on “Security Threats and Vulnerabilities”, Model for internetwork security, Digital signature, Workshop on “Information Security”, 26-11-07 to 30-11-07, organized by G.Narayanamma Institute of Technology & Science (for women), Hyderabad.
- 2) Delivered an expert lecture on “Security Threats and Vulnerabilities, Model, PKC & Digital signature”, Two Day Workshop on “Information Security”, 8<sup>th</sup> -9<sup>th</sup> March 2008, organized by Sree Visvesvaraya Institute of Technology & Science, Mahaboobnagar.
- 3) Delivered an expert lecture on “Authenticated Key Exchange Techniques and Digital Signatures”, 15 days AICTE Sponsored workshop on “Recent Trends in Networking and Security”, 13<sup>th</sup> to 26<sup>th</sup> June 2011, organized by Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology, Hyderabad.

- 4) Delivered an expert lecture on “Web Security, SET”, AP State Council of Higher Education sponsored Workshop on “Information Security”, 23<sup>rd</sup> to 28<sup>th</sup> Jan 2012, organized by JNTUK, held at Vignan’s Engineering College, Guntur.
- 5) Delivered an expert lecture on “Security Aspects in Computer Networks, Graphical Passwords”, UGC sponsored “National conference on Communications, Networking and Mobile computing”, 20<sup>th</sup> – 21<sup>st</sup> Jan 2012, organized by JNTUACE, Pulivendula.
- 6) Delivered an expert lecture on “File Handling, Preprocessor commands”, AP State Council of Higher Education sponsored short term faculty training program on “C & Data Structures”, 21<sup>st</sup> to 26<sup>th</sup> August 2012, organized by G Pulla Reddy Engineering College, Kurnool.
- 7) Delivered an expert lecture on “Stacks and Queues using Linked lists”, AP State Council of Higher Education sponsored Short term faculty training program on “Programming in C & Data Structures”, 3<sup>rd</sup> to 8<sup>th</sup> September 2012, organized by Sri Vidyanikethan Engineering College, Tirupathi.
- 8) Delivered an expert lecture on “Storage classes, Recursion”, AP State Council of Higher Education sponsored Short term faculty training program on “C & Data Structures”, 3<sup>rd</sup> to 8<sup>th</sup> September 2012, organized by JNTUACE, Anantapur,.
- 9) Delivered an expert lecture on “Operating System- Concepts and Techniques”, 6<sup>th</sup> October 2012, organized by Vignan’s LARA Institute of Technology, Guntur.
- 10) Delivered an expert on “Security in Cloud Computing”, AICTE Sponsored National Staff Development Programme on “Recent Trends in Cloud Computing”, 3<sup>rd</sup> to 15<sup>th</sup> June 2013, organized by Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology, Hyderabad.
- 11) Delivered an expert Lecture on “Security Issues in Networks”, during 3/4 & 4/4 B.Tech IT Students on 12th July 2013 organized by Vasavi College of Engineering, Hyderabad.
- 12) Delivered an expert lecture on “NS2 Simulators”, National Seminar on “Recent Trends in Networking & Security” on 15th -16th November 2013, organized by JNTUACE, Ananthapuram.
- 13) Delivered an expert lecture on “Authenticating Users Ensuring Usability and Security”, 3<sup>rd</sup> National Conference on “Computer Networks & Information Security” (NCCNIS 2014) sponsored by AICTE under Seminar Grant, from 4 - 5 March, 2014, organized by Vasavi College of Engineering, Hyderabad.
- 14) Delivered an expert lecture on “Cyber Security”, 2<sup>nd</sup> International Conference on Innovations in Computer Science & Engineering (ICICSE-2014), Pre-Conference Tutorial on “Cyber Security & Android Mobile Application Development” on 1st& 2nd August 2014, Gurunanak Institutions, Hyderabad.
- 15) Delivered an expert lecture on “Cyber Security”, CSE students on 07-02-2015, organized by Intell Engineering College, Ananthapuramu.
- 16) Delivered an expert lecture on “Computer Networks-A Basic Course”, on 27.03.2015, organized by Aditya College of Engineering, Madanapalle.
- 17) Delivered an expert lecture on “Security Mechanisms based on Cryptography User Authentication Techniques-A research Perspective”, AICTE Sponsored Two week

FDP on “Emerging Challenges and Research Perspectives in Network Security & Intrusion Detection” from May 4-16, 2015, organized by Sri Vidyanikethan Engineering College, Tirupathi.

- 18) Delivered an expert lecture on “Information Security” to III & IV B.Tech CSE Students on 08/08/2015, organized by Santhiram Engineering College, Nandyal.
- 19) An expert Delivered an expert lecture on “Computer Networks” to IV B.Tech ECE Students on 10/10/2015, organized by Global college of Engineering & Technology, Kadapa.
- 20) Delivered a Keynote Address on “Research issues in Wireless Mesh Networks” 5th National Conference on “Computer Networks & Information Security” (NCCNIS 2016) under TEQIP-II, from 6 - 7 April, 2016, organized by Vasavi College of Engineering, Hyderabad.
- 21) Delivered an expert 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 11th March 2016.
- 22) 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.
- 23) Delivered an invited talk on “Digital Transformations- A new industrial revolution” on 15th September 2018 in view of Engineers Day being organized by IE (I) Ananthapuramu Local Chapter.
- 24) Delivered a session on “Security mechanisms based on Cryptography, User Authentication Techniques and Research Perspectives” on 10th 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.
- 25) Delivered Sessions on “Overview of Data Science & Big Data Analytics and Tools used” on 11th Sep 2019, AICTE sponsored Two Week FDP on “DATA Science & Big Data Analytics” from 11-21 September 2019 organized by NBKR Institute of Science & Technology (Autonomous), Vidyanagar.
- 26) Delivered a session on “Introduction to Artificial Intelligence, Deep Learning and Machine Learning”, on 18th November, 2019, DST Sponsored three day workshop on Artificial Intelligence, Deep Learning and Machine Learning from 18th – 20th Nov, 2019, organized by GATES Institute of Technology, Gooty.
- 27) 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.
- 28) Delivered a session 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 organized by JNTUA College of Engineering, Ananthapuramu.

- 29) Delivered a session 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 organized by JNTUA College of Engineering, Ananthapuramu.
- 30) Delivered a session 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 organized by JNTUA College of Engineering, Ananthapuramu.
- 31) 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 organized by JNTUA College of Engineering, Kalikiri
- 32) 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
- 33) Delivered a session 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 organized by JNTUA College of Engineering, Ananthapuramu.
- 34) Delivered a Session 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 organized by JNTUA College of Engineering, Ananthapuramu.
- 35) 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 7-12 December 2020 organized by Sanskrithi School of Engineering, Puttaparthi.
- 36) Delivered an Expert talk on “Cyber Security” to B.E first year students as part of Two Week online Student Induction Program (SIP)-2020 conducted by Vasavi Engineering College, Hyderabad from 25th Nov to 6th Dec 2020.
- 37) Delivered a session on 15/12/2020 during the Six Days AICTE Sponsored Phase-II Short Term Training Program on “Technical Writing & Research Methodology” organized by the department of Electrical & Electronics Engineering, Chaitanya Bharathi Institute of Technology, Proddatur from 14 – 19 Dec 2020 in online mode.
- 38) Delivered a session on “Web Security” on 17/12/2020, AICTE Sponsored STTP, " Cyber Criminology and Network Security" from 14-19 Dec, 2020 - organized by Gopalan College of Engineering and management, Bangalore.
- 39) Delivered a session on “Security in IoT” on 18/12/2020, AICTE Sponsored STTP, "Developing Cyber Security Models using Statistical and Deep Learning" from 14-19 Dec, 2020 - organized by Vishnu Institute of Technology, Bhimavaram.

- 40) Delivered a session on “Importance of Artificial Intelligence in Current Perspective” on 4/1/2021, AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Programme (FDP) on Robotic Process Automation: Tools and Techniques from 04th ~ 07th January, 2021 organized by Dept. of CSE, SV College of Engineering (Autonomous), Tirupati
- 41) Delivered sessions on “Data Security & Cloud Computing” on 18/1/2021, AICTE-ISTE Sponsored one week Faculty Development Programme (FDP) on Advance Emerging Trends in CSE & IT from 18th ~ 23rd January, 2021 organized by Dept. of CSE, Usha Rama College of Engineering & Technology(Autonomous), Telaprolu
- 42) Delivered a session on “Types of Learning and Applications” on 15.03.2021, UGC sponsored online short term course on “Machine Learning” from 15-20 March 2021, organized by UGC-Human Resource Center, JNTUH, Kukatpally, Hyderabad.
- 43) Delivered a session on “Insights on Research” on 24/03/2021, AICTE Sponsored STTP, “Outcome Based Pedagogical Initiatives for Effective Teaching & Learning” from 22-27 March, 2021 - organized by Matrusri Engineering College, Hyderabad.
- 44) Delivered a session on “Insights on Research” on 21/04/2021, AICTE Sponsored STTP, “Outcome Based Pedagogical Initiatives for Effective Teaching & Learning” from 22-27 March, 2021 - organized by Matrusri Engineering College, Hyderabad.
- 45) Delivered a session on “Insights on Research” on 22/05/2021, AICTE Sponsored STTP, “Outcome Based Pedagogical Initiatives for Effective Teaching & Learning” from 22-27 March, 2021 - organized by Matrusri Engineering College, Hyderabad.
- 46) Delivered a session on “Introduction to Cyber Security” on 17/5/2021, AICTE Training and Learning (ATAL) Academy Sponsored FACULTY DEVELOPMENT PROGRAMME (FDP) on Cybersecurity Analytics from 17th - 22nd May, 2021 organized by JNTUA.
- 47) Delivered Sessions on “Web Security” & “Challenges in Web Security”, on 26/5/2021, Two Week AICTE Sponsored FDP on “Cyber Security and Blockchain Technology (Phase-1)” during 17-29 May 2021 organized by Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu
- 48) Delivered Session on “Insights on Research”, on 28/5/2021, Two Week AICTE Sponsored FDP on “Cyber Security and Blockchain Technology (Phase-1)” during 17-29 May 2021 organized by Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu
- 49) Delivered Sessions on “Introduction to Cyber Security”, on 14/6/2021, Two Week AICTE Sponsored FDP on “Cyber Security and Blockchain Technology (Phase-II)” during 14-26 June 2021 organized by Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu
- 50) Delivered Sessions on “IoT Security”, on 19/6/2021, Two Week AICTE Sponsored FDP on “Cyber Security and Blockchain Technology (Phase-II)” during 14-26 June 2021 organized by Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu
- 51) Delivered Session on “Insights on Research”, on 25/6/2021, Two Week AICTE Sponsored FDP on “Cyber Security and Blockchain Technology (Phase-II)” during 14-



26 June 2021 organized by Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu

**Chairing Technical Sessions/Resource Person attended:**

1. Acted as “Chairperson & jury member” on One day national level technical symposium Photon’11, 26th March 2011, organized by Madanapalle Institute of Technology & Science, Madanapalle.
2. Acted as “Technical Chair” on National level technical symposium Technolect-2011, 5th March 2011, organized by Intell Engineering College, Anantapur.
3. Acted as “Adjudicator” on National level technical student symposium Pragna-2010, 29th& 30th March 2011, organized by Moula Ali College of Engineering & Technology, Madanapalle.
4. Acted as “Session Chair” on International Conference on Emerging Trends in Electrical, Communication and Information Technologies, ICECIT-2012,21-23 Dec 2012, organized by SRIT, Ananthapuramu.
5. Acted as “Judge” on National level Technical Symposium (MITS-2K13) on 8th Feb 2013, organized by MITS, Madanapalle.
6. Acted as “Judge” on National Level Technical Symposium FUZON-14, 18th Oct 2014, organized by SKU College of Engineering & Technology, Ananthapuramu
7. Acted as “Judge” on State Level Technical Symposium PHREAK-2K14, 30th October 2014, organized by Sri Venketasewara Institute of Engineering & Technology, Ananthapuramu.
8. Acted as “Session Chair” on AICTE Sponsored National Conference on Advanced Computing, 30th Jan 2014, organized by AITS, Rajampeta.
9. Acted as “Session Chair” on 3rd National Conference on “Computer Networks & Information Security” (NCCNIS 2014) sponsored by AICTE under Seminar Grant, from 4 - 5 March, 2014, organized by Vasavi College of Engineering, Hyderabad.
10. Acted as “Session Chair” on National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015,organized by JNTUA College of Engineering, Ananthapuramu.
11. Acted as “Session Chair” on 2nd International Conference on Emerging Trends in Electrical, Communication and Information Technologies -2015, SRIT, Ananthapuramu.
12. Acted as “Judge” for University level NSS Youth Festival at JNTUA on Jan 29th 2016.
13. Acted as “Judge” for National Level technical Symposium “SHODHANA 2K16” at Gates Institute of Technology, Feb 27th 2016.

14. Acted as a Session chair for 5th National Conference on “Computer Networks & Information Security” (NCCNIS 2016) under TEQIP-II, from 6 - 7 April, 2016, organized by Vasavi College of Engineering, Hyderabad
15. Acted as a Judge for PIXEL-2K16, three day National Level Technical Symposium, at JNTUA College of Engineering, Ananthapuramu, 19th – 21st March 2016
16. Acted as a Judge for SIGMA-2K16 , 9th National level Students Technical Fest, at Santhiram Engineering College, Nandhyal on 28/09/2016.
17. Acted as a session chair for 1st International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, 28-30 May 2016.
18. 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
19. Acted as “Session Chair” on 3rd International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT-2018), SRIT, Ananthapuramu, 20-22 Dec, 2018
20. 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.
21. 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
22. 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.

### Consultancy and Sponsored Projects:

1. Completed AICTE RPS project titled “Secure and Usable Authentication to Common People in Secure Systems” Grant Amount: Rs. 10,00,000/-.
2. Received an amount of Rs. 40000/- for organizing a National Seminar on “Recent Trends in Networking & Security” in JNTUCEA, Ananthapuramu during 15th -16th November 2013, from APSICHE (A.P State Council of Higher Education) as Convener.
3. Completed UGC- Minor Research Project titled “A Model for Dynamic Data Verification Integrity in Cloud”, August 2017-Feb 2020, Grant Amount: Rs. 90000/-.
4. Received of grant of Rs. 277500/- for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20 on “Data Analytics and Machine Learning using R and Python”

5. Received of grant of Rs. 93000 /- for conduct of AICTE Training and learning online FDP on “Block Chain”.
6. Received of grant of Rs. 458333/- for conduct of Faculty Development Programme IFDPJ under AQIS 2019-20 during the financial year 2020-21 on “Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things (IoT)”.
7. Received of grant of Rs. 93000 /- for conduct of AICTE Training and learning online FDP on “Cybersecurity Analytics”.

#### Patents:

1. “Monitoring Tool for Mistake Proofing Quality Software”, IP India Patent, Application No. 2007/CHE/2015 A, The Patent Office Journal, Issue No. 19/2015, pp. 33133, May 8, 2015 – Under Examination.
2. “A Method and a System for Enabling Secured Access To Data”, IP India Patent, Application No. 201841029964 A, The Patent Office Journal No. 33/2018 Dated 17/08/2018 pp. 31007
3. “Certificateless Remote Data Integrity Checking in Cloud Storage Using Lattices”, IP India Patent, Application No. 201841042685, The Patent Office Journal No. 47/2018 Dated 23/11/2018 pp. 44338

#### Research Experience and Guidance provided:

Total research experience : 16+ years

- ❖ Guided 50+ Undergraduate projects, 80+ M.C.A students and 140+ Postgraduate theses.
- ❖ 20 Ph.D.’s are completed, presently supervising 08 Research scholars for their Ph. D.

#### Number of Research publications:

International Journals	:	150
National Journals	:	05
International Conferences	:	75
National Conferences	:	21

#### Performance Indices of Publications : (as on 05<sup>th</sup> March, 2019)

Total Citations	:	454
h -Index .	:	11
i-10 Index	:	14

### Text Books / Monographs Authored/Edited:

1. Dr. C. Shoba Bindu, Mr. P. Dileep Kumar Reddy, Mr. K. Sekhar, “Programming in C and Data Structures”, Published by: LAP LAMBERT Academic Publishers,2014, ISBN-13: 978-3659566288, ISBN-10: 3659566284.
2. Dr. K. Madhavi , Dr. C. Shoba Bindu, “Proceedings National Conference on Recent innovation in Computer Networks” Published by : BS Publications,2015, ISBN: 978-93-83635-90-0.
3. C. Shoba Bindu, P. Dileep Kumar Reddy, K. Dhana Sree Devi, “Programming in JAVA”, Published by: LAP LAMBERT Academic Publishers,2017, ISBN-13: 978-3-330-08126-0
4. Dr. Nageswara Rao Sirisala, Dr. C. Shoba Bindu, “Mobile Adhoc Networks: A Research Perspective” Published by: LAMBERT Academic Publishers,2018, ISBN: 978-613-8-33389-0
5. Gurram Vijay Kumar, C. Shoba Bindu, “Access point selection Algorithms for Wireless Mesh Networks”, Published by: LAP LAMBERT Academic Publishers,2018, ISBN-13: 978-613-4-95181-4
6. C. Shoba Bindu, “Linux Programming”, Published by: LAP LAMBERT Academic Publishers, 2018, ISBN:978-613-9-88126-0
7. K.K.Baseer, A.Rama Mohan Reddy, C.Shoba Bindu, “FUZZY and POKA-YOKE in SDLC”. Published by: LAP LAMBERT Academic Publishers, 2018, ISBN:978-3-330-02257-7
8. Prof. B. Eswara Reddy, Prof. C. Shoba Bindu, Prof. V. B. Chitra, “ Proceedings of International Conference on System Automation, Reliability, Quality Control, Safety, Maintenance and Management” during 11<sup>th</sup> – 13<sup>th</sup> December , 2019, Published by BS Publishers, 2019, ISBN: 9789 3539 16725

### Research guidance provided:

S. No	Name of the Research Scholar	Title of the Thesis	Year of award
1	Ms. G. Vijaya Lakshmi (Reg. No. 0603PH0618)	Application of Queuing Models in Networks	2012
2	Mr. Kamalapuram Khaja Baseer (Reg. No. 11PH0526)	Enhanced Models for quality Improvement in Software Development Process Fuzzy Based and Poka-Yoke Approaches	2016
3	K. Dhana Sree (Reg. No. 11PH0502)	Distributed View Indexing Schemes for Efficient Query Processing	2016

4	Mr. G. Vijaya Kumar (Reg. No. 11PH0515)	A Cross Layer Design for an Access Point handling in IEEE 802. Based Wireless Mesh Networks	2017
5	Mr. S. Nageswara Rao (Reg. No. 11PH0503)	Enhanced Quality of Service Routing Protocols through Trust Computation in Mobile Adhoc Networks	2017
6	Mr. Sudarshan.E (Reg.No. 12PH0514)	Parallel Approach for Backward Coding of Wavelet Trees with CUDA	2018
7	Mr. P. Dileep Kumar Reddy (Reg. No. 13PH0520)	Optimal security for sensitive data in Cloud Computing	2018
8	Mr. R. Raja Kumar (Reg. No.11PH0511)	Reducing the computational requirements of nearest neighbor classifier	2018
9	Mrs. L. Lakshmi Rangamma (Reg.No. 13PH0501)	Dynamic Navigation of web queries using B-Trees and learn to rank algorithm	2018
10	Mr. P. Veeresh (Reg.No. 13PH0512)	Optimal service Composition based on QoS Constraints in Mobile Adhoc Networks	2018
11	Mr. K. Shyam Sunder Reddy (Reg.No. 12PH0509)	Effective Density-Based Clustering Methods for Streaming Data	2018
12	Mr. M. Purushotham Reddy (Reg.No. 13PH0513)	Effective Techniques for Digital Image Compression and Security	2019
13	Mrs. E. Poornima (Reg.No. 13PH0525)	Secure Data Sharing for Multiple Dynamic Groups Using Attribute based Cryptography in Cloud	2019
14	Mrs. C. Sasikala (Reg.No. 13PH0517)	Remote Data Integrity Checking Using Certificateless Cryptography in Cloud Storage	2019
15	Mrs. B. Muni Lavanya (Reg.No. 14PH0523)	Effective Channel Allocation Techniques in Multi-Radio Multi-Channel Wireless Mesh Networks	2020
16	Mrs. Y. Sowmya (Reg.No. 11PH0523)	Exploring Privacy Preserving Knowledge Discovery from Big Data	2020
17	Mrs. Sumangala patel (Reg. No. 12PH0506)	Defect Prediction on High Dimensional Data using Statistical methods	2020
18	Mrs. P. Namratha (Reg. No. 14PH0521)	A Frame work for Securing Shared Data in the Cloud	2020
19	Mr. Mannava Yesu Babu (Reg. No. 11PH0514)	Aspect Based Sentiment Analysis using Vector and Rule Based Features	2021
20	Mr. T. Venkata Naga Jayudu (Reg. No. 14PH0516)	Event-Trigger Based Energy Efficient Routing in WMSNs	2021

## List of publications:

### International Journals:

#### 2007

- 1) C. Shoba Bindu, Dr. P. Chandra Sekhar Reddy, Dr. B. SatyaNaryana, "A Novel remote login authentication with smart card," i-manager's journal of Software Engineering, ISSN: 0973-5151, vol. 2, no. 2, pp. 22-27, October 2007. (Impact Factor: 3.765) DOI: <https://doi.org/10.26634/jse.2.2.545>

#### 2008

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- 29) Nageswararao Sirisala, C. Shoba Bindu, “Weight age Based Trusted QoS Protocol in Mobile Adhoc Networks”, 2014 IEEE Global Conference on Wireless Computing and Networking (GCWCN), December 22-24, 2014, Sinhgad Technical Education society`s Sinhgad Institute of Technology, Lonavala. (SCOPUS)

## **2015**

- 30) C. Shoba Bindu, “Click based Graphical CAPTCHA to thwart Spyware attack”, 5th IEEE International Advance Computing Conference (IACC-2015), June 12-13, 2015, BMS College of Engineering, Bengaluru. (SCOPUS)
- 31) G. Vijay Kumar, C. Shoba Bindu, “Improving Performance of Wireless Mesh Networks through User Association Method”, 2nd International Conference on Computer and Communication Technologies (IC3T 2015), July 24-26, 2015, CMR Technical Campus, Hyderabad. (SCOPUS)
- 32) Mr. Raj Mohammed Mohd, Dr. C. Shoba Bindu, Dr. D. Vasumathi, “User Persuasion towards Passwords Graphical Text Passwords”, International Conference on Innovations in Computer Science and Information Technology (ICICSIT -2015), MGIT, Hyderabad, India, 28th & 29th August 2015.
- 33) S. Nageswara Rao, C. Shoba Bindu, “Uncertain Rule-based Fuzzy Logic QoS Trust Model in MANETs” Advanced Computing and Communications Conference (ADCOM 2015), 18 - 20 September 2015, Indian Institute of Technology Madras. (SCOPUS)
- 34) Rathnamma Gopisetty, T Ragunathan, C. Shobha Bindu, “Support-Based Prefetching Technique for Hierarchical Collaborative Caching Algorithm to Improve the Performance of a Distributed File System”, 7th International Symposium on Parallel Architectures, Algorithms and Programming, PAAP (2015) on December 12-14, 2015, Nanjing University of Posts and Telecommunications (NUPT), China IEEE, DOI 10.1109/PAAP.2015.28. (SCOPUS)
- 35) K. DhanaSree, C. Shoba Bindu, “SPS: Distributed View Indexing”, 2015 IEEE International Conference on Computational Intelligence and Computing Research, 10-12 December 2015, Vickram College of Engineering, Madurai. (SCOPUS)
- 36) E. Poornima, N. Kasiviswanath, C. Shoba Bindu, “Secure Data Sharing for Multiple Dynamic Groups in Cloud”, 2015 Conference on Power, Control, Communication and Computational Technologies for Sustainable Growth (PCCCTSG), 11-12 December 2015, G. Pulla Reddy Engineering College, Kurnool. (SCOPUS)

## 2016

- 37) 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)
- 38) 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
- 39) 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, 1st International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, India. (SCOPUS)
- 40) Raj Mohammed Mohd, C. Shoba Bindu, D. Vasumathi, "Secure User Authentication with Graphical Passwords and PassText", 28-30 May 2016, 1st International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, India. (SCOPUS)
- 41) R. Raj Kumar, P. Viswanath, C. Shoba Bindu "A cascaded method to reduce the computational burden on nearest neighbor classifier", 28-30 May 2016, 1st International Conference on Computational Intelligence and Informatics (ICCII 2016), JNTUH College of Engineering, Hyderabad, Telangana, India.
- 42) M. Vasavi, C. Shoba Bindu, "Mobile Relay Based Topology control Algorithm for energy efficiency in Mobile Ad Hoc Networks" 20-21 October 2016, International Conference on Emerging Trends in Engineering Research (ICTER'16), Vels University, Chennai.
- 43) 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.
- 44) Vellori Gowthami, C. Shoba Bindu, "Novel signature mechanisms for multi-view plus depth 3D videos" 20-21 October 2016, International Conference on Emerging Trends in Engineering Research (ICTER'16), Vels University, Chennai.
- 45) 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.
- 46) 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.
- 47) Krishna Murthy, Dr. C. Shoba Bindu, "A Trust-aware Routing Framework for multihop authentication in wireless sensor networks", 11th November 2016,

International conference on-chip, circuitry, current, combustion & composites (i7C-2016), Sri Sairam college of engineering, Ankel, Bangalore.

- 48) 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)

## **2017**

- 49) 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)
- 50) 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)
- 51) E. Sudarshan, Ch. Satyanarayana, C. Shoba Bindu, “A 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. (SCOPUS)
- 52) 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, 2nd International Conference on Computational Intelligence and Informatics (ICCII 2017), JNTUH College of Engineering, Hyderabad, Telangana, India. (SCOPUS)
- 53) 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. (SCOPUS)
- 54) 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. (SCOPUS)
- 55) 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. (SCOPUS)
- 56) Veeresh P, R Praveen Sam, and C Shoba Bindu, “Energy Constraint Service Discovery and Composition in Mobile Ad Hoc Networks” 25-27 Sep 2017, 2nd International Conference on Computational Intelligence and Informatics (ICCII 2017), JNTUH College of Engineering, Hyderabad, Telangana, India.

## **2018**

- 57) 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, Communication, Mechanical and Computing (EECCMC), Priyadarshini Engineering College, Chettiyappanur, Vaniyambadi - 635751, Vellore District, Tamil Nadu, India.
- 58) 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.
  - 59) 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.
  - 60) Poornima E., Kasiviswanath N., Shoba Bindu C. (2019) Secured Data Sharing in Groups Using Attribute-Based Broadcast Encryption in Hybrid Cloud. In: Rathore V., Worrying 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, [https://doi.org/10.1007/978-981-13-2285-3\\_83](https://doi.org/10.1007/978-981-13-2285-3_83), Proceedings of International Conference on Expert Applications & Security (ICETEAS2018), Feb 17-18, 2018, Jaipur Engineering College And Research Centre. (SCOPUS)
  - 61) 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.
  - 62) V. Srilakshmi, K.Anuradha, C. Shoba Bindu, “A probability Relevance 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.
  - 63) Rohini, C. Shoba Bindu, “Quantified Local Trio Patterns for Multimedia Image Retrieval System”, 27-28 July 2018, 7th International conference on Innovations in Electronics and communication Engineering (ICIECE-2018), Guru nanak Institutions Technical Campus, Hyderabad.
  - 64) 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.

## **2019**

- 65) 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, 18th May 2019, Print ISBN: 978-981-13-

8299-4, Online ISBN: 978-981-13-8300-7, [https://doi.org/10.1007/978-981-13-8300-7\\_8](https://doi.org/10.1007/978-981-13-8300-7_8). Springer, Singapore.

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## **2020**

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- 68) 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.
- 69) Devi O.R., Bindu C.S., Kumar E.S. (2022) Multi-scale Convolutional Neural Network for Automatic Identification of Glaucoma in Fundus Image. In: Reddy V.S., Prasad V.K., Wang J., Reddy K.T.V. (eds) Soft Computing and Signal Processing. Advances in Intelligent Systems and Computing, vol 1340. Springer, Singapore. [https://doi.org/10.1007/978-981-16-1249-7\\_28](https://doi.org/10.1007/978-981-16-1249-7_28)
- 70) 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.
- 71) 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.
- 72) 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.
- 73) 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. [https://doi.org/10.1007/978-981-16-0878-0\\_23](https://doi.org/10.1007/978-981-16-0878-0_23)

## **2021**

- 74) E. 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.

- 75) 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
- 76) 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

### National Seminars / Conferences:

#### 2004

- 1) C. Shoba Bindu, P. Chenna Reddy, P. Chandra Sekhar Reddy, “Security in Mobile Adhoc Networks”, National Conference on Mobile Com Net –2004, Sept 30<sup>th</sup> to Oct 2<sup>nd</sup> 2004, VIT, Vellore, TN.

#### 2006

- 2) Y. Bali Reddy, C. Shoba Bindu, P. Chandra Sekhar Reddy, “Security in Wireless Adhoc Networks” Techno Carnival-2006, Feb 3<sup>rd</sup>& 4<sup>th</sup> 2006, Royal Institute of Technology & Science, Chevella, RR Dist.
- 3) C. Shoba Bindu, D. Kavitha, S. ZahoorUIHuq, P. Chandra Sekhar Reddy, “Hybrid Packet Marking Scheme for Network Security” Techno Carnival-2006, Feb 3<sup>rd</sup>& 4<sup>th</sup> 2006, Royal Institute of Technology & Science, Chevella, RR Dist.
- 4) C. Shoba Bindu, Md. Misbahuddin, Md. Aijaz Ahmed, “Mapping XML Schemas into Relational Schemas” Techno Carnival-2006, Feb 3<sup>rd</sup>& 4<sup>th</sup> 2006, Royal Institute of Technology & Science, Chevella, RR Dist.
- 5) S. ZahoorUIHuq, D. Kavitha, C. Shoba Bindu, “Hierarchical Secure wireless Networking” Techno Carnival-2006, Feb 3<sup>rd</sup>& 4<sup>th</sup> 2006, Royal Institute of Technology & Science, Chevella, RR Dist.
- 6) Ms. Farheen Faima Khan, C. Shoba Bindu, “Secure authentication using two factor authentication technique for Financial transactions” National Conference on Computing & Communications NCCC’06, 13<sup>th</sup> – 15<sup>th</sup> July 2006, GNITS, Hyderabad

#### 2007

- 7) A. ChandraLekha, C. Shoba Bindu, “An Enhanced remote user authentication scheme preserving user anonymity” National Conference on Advanced Computing Techniques, BITCON 2007, 16-17, March 2007, Bhilai Institute of Tech. Durg (C.G).
- 8) C. Shoba Bindu, “Security Enhancements to remote user authentication scheme using smart cards” Application of Emerging technologies, 4-5 April 2007, Adhiyamaan College of Engg, Hosur, TN,
- 9) C. Shoba Bindu et al., “Enhanced Zero common knowledge authentication for pervasive Networks” Application of Emerging technologies, 4-5 April 2007, Adhiyamaan College of Engg, Hosur, TN, 10) C. Shoba Bindu et al.,

- 10) S. Anusha, C. Shoba Bindu, “Remote multi-server user authentication Technique without using verification table”, Information Technology in Multi-domain Industry, 20-21 April 2007, SinyadInstitute of Technology, Lonavala.
- 11) A. Chandra Lekha, C. Shoba Bindu, “Cryptanalysis of a remote user authentication scheme preserving user anonymity”, Recent Trends in IT, 12th may 2007, SJB Institute of Technology, Bangalore.

### **2011**

- 12) C. Shoba Bindu et al., “Systematic Use of Architecture Patterns to Achieve Non-Functional Requirements”, National Conference on Data Modeling, Image Analysis and Pattern Recognition (DMIAPR) – 2011, 13th to 14th September 2011, GITAM, University, Vishakhapatnam.

### **2014**

- 13) S. Sushma, K. K Baseer, A. Ram Mohan Reddy, C. Shoba Bindu “Dual Link Failure Recovery By Back Up Links”, 3rd National Conference on Advances in Mechanical, Civil, Electrical, Electronics, Computer Application & Management, Feb 4th& 5th, 2014, ISBN: 13:978-81-920425-2-7, AMCEEEM, TSSM’S BSCOER & JSPM NTC, Narhe, Pune.
- 14) P. Veeresh, Dr. R. Praveen sam. C. Shoba Bindu, “A composite services Composition in Mobile Ad Hoc Networks Based on Novel Node Model.” , National Conference on Recent Research Advancements in Information Technology. NCRRAIT- 2014, 25th& 26th September 2014, B.V Raju Institute of Technology, Narsapur, Medak (D).

### **2015**

- 15) Sumangala Patil, Dr. A. Nagaraja Rao, C. Shoba Bindu, “A Novel Framework for Error Checking in UML and UML to XML Conversion”, National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015, JNTUA College of Engineering, Ananthapuramu
- 16) Vinod Kumar, K. Sasikala, C. Shoba Bindu, “Providing Signer Information through Traceability in Public Auditing for Shared Data in Cloud”, National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015, JNTUA College of Engineering, Ananthapuramu
- 17) A. Rajitha, P. Dileep Kumar Reddy, C. Shoba Bindu, “A Survey on Routing Metrics for Reliable Routing in Wireless Mesh Networks”, National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015, JNTUA College of Engineering, Ananthapuramu
- 18) M. Sudhakar Reddy, C. Shoba Bindu, “Dynamic Query form Generation for Real World Databases”, National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015, JNTUA College of Engineering, Ananthapuramu.

### **2019**

- 19) 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.

- 20) 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.
- 21) 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.

#### Other Experiences:

- ❖ Reviewer of Text book on Computer Organization by Naresh Jotwani published by TMH

#### Examiner:

- ❖ Satyabhama University
- ❖ Sri Krishna Devaraya University
- ❖ Kuvempu University
- ❖ Sri Padmavathi Mahila University
- ❖ Vellore Institute of Technology University
- ❖ Visvesvaraya Technological University
- ❖ Bangalore University
- ❖ Rayalaseema University
- ❖ GITAM University
- ❖ Dravidian University
- ❖ Acharya Nagarguna University
- ❖ Anna University
- ❖ SRM University
- ❖ Pondicherry University
- ❖ Sri Venkateswara University

#### Reviewer for International Journals:

- ❖ International Journal of Network Security (ISSN 1816-3548).
- ❖ International Journal of Advanced Intelligence Paradigms (IJAIP), ISSN: 1755-0394 (online), 1755-0386 (Print)
- ❖ International Journal of Cloud Computing (IJCC), ISSN 2043-9997 (online), 2043-9989 (print)
- ❖ Jurnal Teknologi, e-issn:2180-3722



- ❖ i-manager's Journal on Computer Science (JCOM), ISSN: 2347-2227 (Print), 2347-6141 (Online)
- ❖ i-manager's Journal on Image Processing (JIP), ISSN: 2349-4530 (Print), 2349-6827 (Online)
- ❖ International Journal of Computer Network and Information Security (IJCNIS), ISSN: 2074-9090 (Print), ISSN: 2074-9104 (Online)
- ❖ Journal of King Saud University - Computer and Information Sciences, ISSN: 1319-1578, Production and hosting by Elsevier B.V.
- ❖ International Journal of Information Security and Privacy (IJISP), ISSN: 1930-1650, IGI Global Journal.

#### Editorial Board member:

- ❖ i-manager's Journal on Computer Science (JCOM), ISSN: 2347-2227 (Print), 2347-6141 (Online)
- ❖ i-manager's Journal on Image Processing (JIP), ISSN: 2349-4530 (Print), 2349-6827 (Online)
- ❖ International Journal of Computer Network and Information Security (IJCNIS), ISSN: 2074-9090 (Print), ISSN: 2074-9104 (Online)
- ❖ Journal of Innovation in Computer Science and Engineering (JICSE), ISSN: 2278-0947 (Print), ISSN: 2455-3506 (online)
- ❖ Special Issue on “ Advances in Emerging Wireless Communications and Networking” of Scalable Computing: Practice and Experience, ISSN: 1895-1767
- ❖ International Journal of Research and Analytical reviews(IJRAR), ISSN:2349-5138(Print), E-ISSN:2348-1269
- ❖ International Journal of Intelligent Computing and Technology, (ISSN: 2457-0249 (Online)
- ❖ Bhattar College Journal of Multidisciplinary studies, (ISSN:2249-3301)
- ❖ International Journal of Computer Science and Engineering (IJCSE); ISSN(Print): 2278-9960
- ❖ i-manager’s Journal on Pattern Recognition, ISSN Print: 2349-7912.

### Advisory Committee member:

- ❖ 2015 Conference on Power, Control, Communication and Computational Technologies for Sustainable Growth (PCCCTSG), 11-12 December 2015, G. Pulla Reddy Engineering College, Kurnool.
- ❖ 3rd National Conference on Computer Networks & Information Security (NCCNIS-2014), 4 - 5 March, 2014 Sponsored (under SEMINAR GRANT) by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE), New Delhi, Vasavi College of Engineering, Hyderabad
- ❖ National conference on Networking and Information Technology N2IT -2012, 12th & 13th October 2012, ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, Rajampeta
- ❖ National Conference on Advances in Computing and Networking, NCACN-13, 6th-7th Dec 2013, JNTUH College of Engineering, Manthani
- ❖ International Conference on Innovations in Computer Science and Information Technology (ICICSIT – 2015), 28 & 29 August, 2015, Mahatma Gandhi Institute of Technology, Hyderabad
- ❖ 4 - International Conference On Innovations In Computer Science & Engineering (ICICSE - 2016), 22nd & 23rd July, 2016, Guru Nanak Institutions Technical Campus & Guru Nanak Institute Of Technology, Hyderabad
- ❖ National Conference on Emerging Technologies in Computer Science - 2014 NCETCS'14 28th & 29th March, 2014, JNTUK University College of Engineering Vizianagaram
- ❖ International Conference on Innovations in Computing and Communication (ICICC 2015) th th 12 & 13 February, 2015, B.V.Raju Institute of Technology, Narsapur.
- ❖ National Conference on “ Advanced Trends in Computer Science & Information Technology” NCATCSIT 2016, 8 th October 2016, GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY, Nellore
- ❖ 2015 i-manager's International Conference on Engineering and Technologies (IICET 2015), Nagercoil, Kerala

## Curriculum Design:

- ❖ Chairman, Board of Studies of CSE, JNTUA
- ❖ Involved in framing the curriculum for UG (B.Tech (Information Technology)) and PG (M.Tech & M.C.A) of JNT University Ananthapur as a member of Board of Studies
- ❖ Played a role in framing the syllabus of Various Autonomous colleges as a member of Board of Studies - RGM college of Engineering, Nandyal; Sri Vidyanikethan college of Engineering, Tirupathi; Srinivasa Institute of Technology and Management, Chittoor, Annamacharya Institute of Technology & Sciences, Rajampet, G. Pulla Reddy Engineering College, Kurnool, Sri Venkateswara College of Engineering and Technology, Chittoor.
- ❖ Has been a member of College Academic Council of Annamacharya Institute of Technology & Sciences, Rajampet.
- ❖ Acted as a Chairman, Board of Studies of CSE, JNTUA college of Engineering (2012-2015) and promoted latest technologies of current industry needs which benefit the students to be industry ready.
- ❖ Member of PG Board of Studies for Computer Science for Government College (Men) UG & PG(Autonomous), Ananthapuramu from 2016-2018.

## Important positions held:

- ❖ Nominated as the member to serve the Govt. of Andhra Pradesh for Evaluation of technical bids for “Rajeev YuvaKiranalu” by the Commissioner of Technical education, Andhra Pradesh
- ❖ Member of 3rd party evaluation committee for evaluation of technical bids for e-Governance project “Implementation of GIS Based Decision System in Kuppam Assembly Constituency of Chittoor District, On a Pilot basis” by the District Collector, Chittoor, A.P.
- ❖ Has been a paper setter for the prestigious common entrance examination conducted by the Govt. of Andhra Pradesh like Post Graduate Engineering Common Entrance Test (PGECET-2011) for admission into M.Tech Courses and Engineering Common Entrance Test (APECET-2015) for entrance into B.Tech course for Polytechnic Students.

- ❖ Has been a paper setter for (YVURESET-2015), the entrance exam for admission into the Research Program (Ph.D) for Yogi Vemana University, Kadapa.
- ❖ The Andhra Pradesh Public Service Commission has appointed as an examiner for setting an Objective Type Question paper in the subject Computer Science in 2007.
- ❖ Has been appointed as subject expert by the Union Public Service Commission in building a bank of items in Computer Engineering for their Examinations.
- ❖ Has been nominated as Chairman of Autonomy Review Committee for Siddaganga Institute of Technology, Tumkur, by Visvesvaraya Technological University, Belagavi, Karnataka.
- ❖ Has been appointed as subject expert by the Union Public Service Commission for confidential work
- ❖ Serving as a Doctoral committee member for VIT, Vellore
- ❖ Appointed as question paper setter for various University exams of JNTU Hyderabad, JNTU Kakinada, JNTU Anantapur, S.V. University, Sri Padmavathi Mahila University, Sri Krishna Devaraya Univeristy, Yogi Vemana University Anna University and several autonomous colleges.
- ❖ Member of selection committee for award of Cognizant Foundation Scholarship.
- ❖ Acted as member of the University Purchase Committees of JNT University Anantapur.
- ❖ Served as a member of an Internal Purchase Committee for the development of Examination Management System (EMS) of JNT University Anantapur.
- ❖ The Andhra Pradesh Public Service Commission has appointed as an examiner for setting an Objective Type Question paper in the subject Computer Science in 2007.

#### Conferences/Workshops Organised:

1. Organized a 15 days “Training programme on information technology for unemployed rural youth” in JNTUCEA, Ananthapuramu, during 28-11-2005 to 14-12-2005, Sponsoring Agency by TEQIP, JNTUCEA, Ananthapuramu, as Coordinator.
2. Organized a National Level Student Symposium “PIXEL2K6” in JNTUCEA, Ananthapuramu, during December, 2006, Sponsoring Agency by TEQIP, JNTUCEA, Ananthapuramu, as Coordinator.

3. Organized a six-day “Training programme on information technology for unemployed rural youth” in JNTUCEA, Ananthapuramu, during 07-01-2008 to 12-01-2008, Sponsoring Agency by TEQIP, JNTUCEA, Ananthapuramu, as Coordinator.
4. Organized a Training programme on “Internet technology for House wives” in JNTUCEA, Ananthapuramu, during 30-01-2008 to 01-02-2008, Sponsoring Agency by TEQIP, JNTUCEA, Ananthapuramu, as Coordinator.
5. Organized a National Level Workshop on “Free Software A Research Perspective” in JNTUCEA, Ananthapuramu, during 12th -13th March 2009, Sponsoring Agency by TEQIP, JNTUCEA, Ananthapuramu, as Coordinator.
6. Organized a National Level Student Symposium “PIXEL2K10” in JNTUCEA, Ananthapuramu during December, 2010, Sponsoring Agency by JNTUCEA, Ananthapuramu, as Coordinator.
7. Organized a six-day “Training programme on Computer Awareness for Pensioners” in JNTUCEA, Ananthapuramu, during 16-05-2011 to 21-05-2011, Sponsoring Agency by JNTUCEA, Ananthapuramu, as Coordinator.
8. Organized a National Level Student Symposium “PIXEL2K11” in JNTUCEA, Ananthapuramu, during December, 2011, Sponsoring Agency by JNTUCEA, Ananthapuramu, as Coordinator.
9. Organized a two day Workshop on “Developing Free software Technologies” in JNTUCEA, Ananthapuramu, during 24th – 25th February, 2012, Sponsoring Agency by JNTUCEA, Ananthapuramu, as Coordinator.
10. Organized a “e-education Phase-II trail programme – Sharp corporation” in JNTUCEA, Ananthapuramu, during March 2012, Sponsoring Agency by Sharp Corporation, Bangalore as Coordinator.
11. Organized a National Level Student Symposium “PIXEL2K12” in JNTUCEA, Ananthapuramu during December, 2012, Sponsoring Agency by UGC, JNTUA, as Convener.
12. Organized a two day Workshop on National Seminar on “Recent Trends in Networking & Security” in JNTUCEA, Ananthapuramu during 15th -16th November 2013, Sponsoring Agency by APSICHE & UGC, as Convener.
13. Organized a two day Workshop on “Natural Language Processing” in JNTUCEA, Ananthapuramu, during 7th-8th Dec 2013, Sponsoring Agency by UGC, as Convener.
14. Organized a National Level Student Symposium “PIXEL2K14” in JNTUCEA, Ananthapuramu, during 29th March, 2014, Sponsoring Agency by UGC, JNTUA, as Convener.
15. Organized a National Level Student Symposium “SAMMELAN” in JNTUCEA, Ananthapuramu, during 12th-13th March 2015, Sponsoring Agency by UGC, as Coordinator.

16. Organized a Workshop on “Digital Resources Awareness Program” as part of Digital Resources Awareness Program” in JNTUCEA, Ananthapuramu during 8th July 2015, Sponsoring Agency by JNTUACEA, Ananthapuramu, as Coordinator.
17. Organized a National Conference on “Recent Innovations in Computer Networks”, in JNTUCEA, Ananthapuramu, during August 21- 22, 2015, Sponsoring Agency by DST & UGC, , as Coordinator.
18. Organized a one day Workshop on ““Role of Women in Engineering (WIE) Education through IEEE” in JNTUCEA, Ananthapuramu, during 15th September 2015, Sponsoring Agency by UGC, as Coordinator.
19. Organized a National Level Student Symposium “PIXEL2K19” in JNTUCEA, Ananthapuramu, during 22-24 March 2019, JNTUA, as **Coordinator**.
20. 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 **Coordinator**.
21. 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 **Convener**.
22. Organized a One-Day Workshop On Manthan-An Ideathon at JNTUCEA, Ananthapuramu, during 7<sup>th</sup> November 2019, Sponsored by TEQIP-III as **Coordinator**.
23. Organized a One week FDP On Digital Manufacturing (Industrial Robotics) at JNTUCEA, Ananthapuramu, during 18<sup>th</sup>-23<sup>rd</sup> November 2019, Sponsored by TEQIP-III as **Convener**.
24. Organized a One Week AICTE Sponsored STTP on “Data Analytics and machine Learning using R and Python” during 13-18 June 2020 as Coordinator.
25. Organized a One Week AICTE Sponsored STTP on “Data Analytics and machine Learning using R and Python” during 3-8 August 2020 as Coordinator.
26. Organized a One Week ATAL FDP on “Block Chain” during 8-12 September 2020 as Coordinator.
27. Organized a Three-Day Workshop On “Cyber Security” at JNTUCEA, Ananthapuramu, during 16<sup>rd</sup>-18<sup>th</sup> September 2020, Sponsored by TEQIP-III as **Coordinator**.
28. 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.
29. 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.

30. 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 **Convenor**.
31. Organized a One Week ATAL FDP on “Cyber Security Analytics” during 17-21 May 2021 as Coordinator.

#### Community Services Programs:

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

#### Membership – Professional societies:

1. Life Member of Indian Society for Technical Education (LM 81156)
2. Life Member of Computer Society of India.(01174921)
3. Fellow of Institute of engineers.(F-1227080)
4. Life Member of International Association of Engineers. (133105)
5. Senior Member of IEEE.(91242973)
6. Life Member of Computer Science Teacher Association (8494389).

#### Workshops/Summer/Winter Schools Attended:

1. Attended a Refresher course “Network Programming” during 29/10/03 to 18/11/03, UGC-ASC, JNTU, Hyderabad.
2. Attended a Orientation Course – “I/2005-2006” during 22/08/05 to 20/09/05, UGC-ASC, JNTU, Hyderabad.
3. Attended FACULTY DEVELOPMENT PROGRAMME (FDP) ON Foundations of Information Technology” (1st October 2007 to 5th October 2007) Organized by as part of information security education Awareness project (ISEAP), MCIT,DOE, Government of India, New delhi by the Department of CSE, NIT Warangal,

4. Attended a academic exchange programme on “Formal and web based methodologies for effective research” on 23rd March 2009, organized by JNTUACE, Ananthapuramu.
5. Attended a one day workshop on “Emerging trends in Image Processing” on 31st March, 2010, organized by SKU college of Engg. & Technology, Ananthapuramu,
6. Attended a Refresher course – “Trends in Information system security” during 05/07/10 to 24/07/10, organized by UGC-ASC, JNTU, and Hyderabad.
7. Attended a Refresher course – “Advanced Trends in web mining and Data warehousing” during 18/10/10 to 8/11/10, organized by UGC-ASC, JNTU, and Hyderabad.
8. Attended a National Workshop “ASPIRE’10” during 22nd& 23rd December 2010 organized by JNTUACE, Ananthapuramu
9. Attended a Faculty Development Program “Concepts in Testing” during 30-06-2011 and 01-07-2011, organized by Cognizant Technologies, Bengaluru.
10. Attended a UGC Sponsored one day Workshop on “Robot Dynamics and Control” on 29-09-2011, organized by JNTUACE, Ananthapuramu
11. Attended a UGC Sponsored National Workshop on “Market-Oriented Cloud Computing and the Aneka Platform” on 27-12-2011, organized by JNTUACE, Ananthapuramu
12. Attended a UGC Sponsored one day Workshop on “Robot Dynamics and Control” on 04-02-2012, organized by JNTUACE, Ananthapuramu.
13. Attended a one day Workshop on “Embedded Systems” on 05-10-2012, organized by JNTUACE, Ananthapuramu
14. Attended a one day Workshop on “Human Values and Professional Ethics “Engineering Inner Excellence”” on 5th July 2014, organized by JNTU, Ananthapuramu
15. Attended a one day Workshop on “Technology Enhanced Learning through NMEICT-Implementation of Spoken Tutorial Project” on 10th July 2014, organized by JNTU, Ananthapuramu
16. Attended a UGC Sponsored two day Workshop on “Outcome based Education Approach in Engineering Curriculum” during 26th& 27th August 2014, organized by JNTUACEA, Ananthapuramu.
17. Attended a Two days training programme on “Bharath Operating System Solutions (BOSS) – Minimalistic Object Oriented Linux (MOOL)” during 16th& 17th October 2014, organized by JNTU, Ananthapuramu
18. Attended a two day Workshop on “Two days workshop on “IBM DB2 Academic Associate”, Conducted by IBM Hyderabad” during 19th& 20th December 2014, organized by JNTUACEA, Ananthapuramu.



19. Attended a Two day Faculty Development Programme on “Programming in C & Data Structures” during 25th-26th March 2015, organized by JNTUACEA, Ananthapuramu.
20. Attended a one day Workshop on “Awareness on Various Programs for Foreign University Collaborations” on 16th May 2015, organized by JNTUACEA, Ananthapuramu.
21. Attended a one day Workshop on “Awareness on creating centers of Excellence” on 26th June 2015, organized by JNTUACEA, Ananthapuramu.
22. Attended a Faculty Development Programme on “Entrepreneurship Sponsored by Entrepreneurship Development Institute of INDIA Under DST-NIMAT 2014-2015” during 6th – 18th July 2015, organized by JNTUACEA, Ananthapuramu.
23. Attended a one day Workshop on “Awareness on Washington Accord for Outcome Based Education” on 4th August 2015, organized by JNTUACEA, Ananthapuramu.
24. Attended a one day Workshop on “Awareness on IT/ITES Roles & Big Data Analytics” on 20th August 2015, organized by JNTUACEA, Ananthapuramu.
25. Attended a one day Workshop on “Training/Orientation on MATLAB, Simulink & Related Tool Boxes for Engineering Education” on 7th October 2015, organized by JNTUACEA, Ananthapuramu.
26. Attended a one day Workshop on “Cyber Security” on 8th October 2015, organized by JNTUACEA, Ananthapuramu.
27. Attended a one day Workshop on “Innovations in Technology” on 9th December 2015, organized by JNTUA, Ananthapuramu.
28. Attended 4th National Knowledge Workshop on "NKN at the core of Cyber Space" on 21-22 January 2016, JNTU, Hyderabad
29. Attended FACULTY DEVELOPMENT PROGRAMME (FDP) ON SOFTWARE ENGINEERING (17th June 2016 to 28th June 2016) Organized by JNTUA CEA, Ananthapuramu in association with NIT Warangal, Under the scheme of Electronics & ICT Academy (Sponsored by Department of Electronics and Information Technology (DeitY), GOI
30. Attended One day workshop on “21st century Teaching Strategies” on 16th September 2017, organized by Directorate of Faculty Development Centre, JNTUA.
31. Attended AICTE Sponsored Training Program on “Data Analytics using R”, Organized by Department of Computer Science & Engineering, IIT Kharagpur, during 20-26 November 2017
32. Attended Transforming Education for Humanity (TECH) 2018, organized by MGIEP & MHRD, Visakhapatnam, during Nov 15-17, 2018.
33. Attended One Week Faculty Development Programme on “Design and development of MOOCS through Swayam”, (18th January 2019 to 23rd January 2019) Organized by Electronics & ICT Academy, NIT Warangal, at JNTUA CEA, Ananthapuramu

34. Attended one day Workshop on “Awareness on Career Growth Prospects for Reliability Engineering Professionals with Industry Collaborations” on 21<sup>st</sup> June 2019, organized by JNTUA CEA, Ananthapuramu.
35. 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.
36. 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.
37. 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.
38. 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.
39. Attended TEQIP-III sponsored Two Day workshop on “Development of MOOCs and Production Techniques” during 17-18 January 2020, organized by JNTUA CEA, Ananthapuramu.
40. 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.
41. 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.
42. Participated in Student Faculty Training Program on “Data Science”, a three day online workshop Organized by IEEE Computer Society, IEEE Hyderabad Section held between 23<sup>rd</sup>-25<sup>th</sup> April 2020
43. 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.
44. 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).
45. Participated & 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).
46. Participated in 5 days FDP on “Entrepreneurship & 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.

47. Participated & 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.
48. 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.
49. 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
50. Participated & 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.
51. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Artificial Intelligence” from 2020-11-2 to 2020-11-6 at Indian Institute of Information Technology Sri City, Chittoor.
52. Participated in the two day online workshop “Transformation through NAAC Accreditation Process, A National Level Workshop for Higher Educational Institutions” held on 21st & 22nd June 2021 conducted by "Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Telangana State.
53. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Stress Management” from 2021-7-26 to 2021-7-30 at Government College of Engineering, Tirunelveli.
54. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Developing Effective Research Skills” from 09/08/2021 to 13/08/2021 at PES College of Engineering, Bangalore.

#### Conferences Attended:

1. Attended an International Conference on Emerging Trends in Electrical, Communication and Information Technologies, ICECIT-2012, 21-23 Dec 2012, organized by SRIT, Ananthapuramu.
2. Attended as “Session Chair” on AICTE Sponsored National Conference on Advanced Computing, 30th Jan 2014, organized by AITS, Rajampeta.
3. Attended “3rd National Conference on “COMPUTER NETWORKS & INFORMATION SECURITY” (NCCNIS 2014) sponsored by AICTE under Seminar Grant, from 4 - 5 March, 2014, organized by Vasavi College of Engineering, Hyderabad.
4. Attended National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015, organized by JNTUA College of Engineering, Ananthapuramu.

5. Attended 2nd International Conference on Emerging Trends in Electrical, Communication and Information Technologies -2015, SRIT, Ananthapuramu.
6. Attended, National Conference on Recent Innovations in Computer Networks, August 21- 22, 2015, JNTUA College of Engineering, Ananthapuramu
7. Attended on 5th IEEE International Advance Computing Conference (IACC-2015), June 12-13, 2015, BMS College of Engineering, Bengaluru.
8. Attended Third International Conference on Soft Computing and Signal Processing (ICSCSP-2020) Aug 21-22, 2020, Malla Reddy College of Engineering & Technology, Hyderabad, India.
9. Attended 2<sup>nd</sup> International Conference On Computational And Bioengineering (CBE-2020) Dec 04-05, 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.
10. Attended 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.
11. 2<sup>nd</sup> 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

**Declaration:**

I hereby declare that the information furnished above is true to the best of knowledge

Dr. C. Shoba Bindu