

Name : Dr. SHANTHA VISALAKSHI U  
 Qualification : MCA., MPhil., PhD.,  
 Designation : Asst. Prof.,  
 Year of Experience : 15  
 Previous Experience : 05  
 Staff ID : EP18/030480  
 Area of Specialization : Web Security, ELearning and Content Development  
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#### MEMBERSHIP

S.No	Details	State/National/International
1	Member in ICTACT Academy (Institutional Membership)	National

#### FDP/STTP/WORKSHOPS/SEMINARS

- Successfully completed the (Feb – Apr 2019) 8-weekcourse on “**CLOUD COMPUTING**” and qualified in **ELITE** performance grade conducted by IIT, Kharagpur (NPTEL).
- Successfully completed the National level 1<sup>st</sup> Short Term Course on **E-Content Development and MOOCs** from 13<sup>th</sup> Dec 2021 to 19<sup>th</sup> Dec 2021 organized by UGC Human Resource Development Centre, Gujarat University, Ahmedabad.
- Successfully completed the **AICTE sponsored – ATAL academy** online Faculty Development Programme on **Smart City and Internet of Things** from 22<sup>nd</sup> Nov 2021 to 26<sup>th</sup> Nov 2021 organized by Tripura University.
- Successfully completed the **AICTE sponsored – ATAL academy** online Faculty Development Programme on **Augmented Reality/Virtual Reality (Advanced Level)** from 7<sup>th</sup> Dec 2021 to 11<sup>th</sup> Dec 2021 organized by Department of Electronics and Communication Engineering, PSG Polytechnic College, TamilNadu.
- Successfully participated and completed the 5-day online Faculty Development Programme on **Inculcating Universal Human Values in Technical Education** organized by **AICTE** from 11<sup>th</sup> Apr 2022 to 15<sup>th</sup> Apr 2022.
- Successfully completed the 30 days Virtual Reality Master Class on **Virtual and Augmented Reality** from 18<sup>th</sup> May 2022 to 8<sup>th</sup> Jun 2022 organized by PanTech e-Learning Pvt Ltd, Chennai.
- Successfully completed the Internship on **Machine Learning using Python** from 22<sup>nd</sup> Jul 2022 to 19<sup>th</sup> Oct 2022 organized by PanTech e-Learning Pvt Ltd, Chennai.

- Successfully participated in the National webinar on **How to conduct online classes for students** on 30<sup>th</sup> Mar 2020 organized by ATAL incubation Centre, Pondicherry Engineering College Foundation.
- Successfully participated in the National webinar on **Data Visualization using Tableau** on 16<sup>th</sup> Apr 2020 organized by Data science boot camp in association with Brainswig EduTechPvt. Ltd.
- Successfully participated in the International webinar on **Introduction to Machine Learning and ML Pipeline - PS** 27<sup>th</sup> Apr 2020 organized by AWS – Amazon Web Services.
- Successfully participated in the webinar on **Research Workflows, Research Metrics and Excellence in Academic Institutes** on 6<sup>th</sup> May 2020 organized by AICTE – Elsevier.
- Successfully participated in the National FDP on **Intellectual Property Rights** on 20<sup>th</sup> Mar 2020 organized by DG Vaishnav College, Chennai.
- Successfully participated in the POWER TALK webinar on **Work Life Balance with Work from Home as new Moral** on 21<sup>st</sup> May 2020 organized by Anna Adarsh College for Women, Chennai (Speaker: Bharathi Baskar).
- Successfully participated in the International Webinar on **Emerging Technologies to shape the Future** on 12<sup>th</sup> June 2020 organized by AVC College of Engineering, Nagappattinam.
- Successfully participated in the International Webinar on **The art of Paraphrasing** on 13<sup>th</sup> June 2020 organized by SSS Jain College, Chennai.
- Successfully completed the International Webinar on **Writing a Research Grant Proposal** on 15<sup>th</sup> June 2020 organized by Faculty of Engineering and Computing Sciences, Moradabad, Uttar Pradesh.
- Successfully participated in the National Webinar on **E-Content Development** on 16<sup>th</sup> June 2020 organized by St. Joseph Institute of Technology, Chennai.
- Successfully participated in the National Webinar on **Statistical Methods** on 18<sup>th</sup> June 2020 organized by AMET Deemed to be University, Chennai.
- Successfully participated in the International Webinar on **Is Big Data a Futuristic Saviour?** on 19<sup>th</sup> June 2020 organized by Quaid-e-Millath Govt. Arts College, Chennai.
- Successfully completed the National level Online workshop on **Innovative Product Design using Arduino** on 17<sup>th</sup> June 2020 organized by ATAL Incubation Centre, Pondicherry Engineering College Foundation, Pondy with the score **72%**.
- Successfully completed the **E-Quiz on Cloud Computing** on 21<sup>st</sup> June 2020 organized by Govt. Arts College, Salem.
- Successfully participated in the National Webinar on **Sharing the Experiences of NAAC Assessment and Accreditation process** on 24<sup>th</sup> June 2020 organized by Dhaanish Ahmed College of Engineering, Chennai.
- Successfully participated in the Virtual Book Launch Event of the Book, **The Future of Higher Education – Nine Mega Trends** on 30<sup>th</sup> June 2020 released by Hon'ble Vice-President Thiru. Venkaiah Naidu, organized by ICTACT academy, Chennai.

- Successfully participated in the National Webinar on **Research Perspectives in Sociometrics** on 3<sup>rd</sup> July 2020 organized by Bishop Cotton Academy of Professional Management, Bengaluru.
- Successfully completed the **E-Quiz on Hardware and Networking Concepts** on 3<sup>rd</sup> July 2020 organized by Bharathi Women's College, Chennai.
- Successfully participated in the Webinar on **Security issues in IoT** on 6<sup>th</sup> July 2020 organized by St. Mother Therasa Engineering College, Tuticorin.
- Successfully participated in the Webinar on **Cyber Security** on 8<sup>th</sup> July 2020 organized by Idhaya College for Women, Kumbakkonam.
- Successfully participated in the, **Convergence 2020 – Annual Members Meeting** on 15<sup>th</sup> July 2020 organized by ICTACT academy, Chennai.
- Successfully participated in the National Webinar on **Successful NAAC Accreditation with A/A+/A++ Grade** organized by Sanskrithi School of Engineering, Puttaparthi on 31<sup>st</sup> July 2020.
- Successfully participated in the Webinar on **Day 1 - Interactive Teaching Learning Strategies** on 10<sup>th</sup> Aug 2020 organized by Dr. MGR Educational and Research Institute, Chennai.
- Successfully participated in the Webinar on **Day 2 - Tools for Simulation of IoT and Fog Computing** on 11<sup>th</sup> Aug 2020 organized by Dr. MGR Educational and Research Institute, Chennai.
- Successfully participated in the Webinar on **Day 3 - Emerging tools for IT Start-up** on 12<sup>th</sup> Aug 2020 organized by Dr. MGR Educational and Research Institute, Chennai.
- Successfully participated in the Webinar on **Day 4 – Algorithms – Design and Implementation** on 13<sup>th</sup> Aug 2020 organized by Dr. MGR Educational and Research Institute, Chennai.
- Successfully participated in the Webinar on **Day 5- Datamining Tools** on 14<sup>th</sup> Aug 2020 organized by Dr. MGR Educational and Research Institute, Chennai.
- Successfully participated in the International Webinar on **Cyber Security for Smart Grids** organized by Nehru College of Engineering & Technology, Chennai on 21<sup>st</sup> Nov 2020.
- Successfully completed the webinar on **Machine Learning using Python** through Webinar on 11<sup>th</sup> Dec 2019 organized by Data science bootcamp in association with Brainswig EduTech Pvt. Ltd.
- Successfully completed the National level online Certificate Course on **Digital Teaching Techniques** from 29<sup>th</sup> June 2020 to 4<sup>th</sup> July 2020 organized by Sky Campus and ICTACT academy, Chennai.
- Successfully completed the 30 days Virtual Reality Master Class on **Virtual and Augmented Reality** from 18<sup>th</sup> May 2022 to 8<sup>th</sup> Jun 2022 organized by PanTeche-Learning Pvt Ltd, Chennai.
- Successfully completed the Internship on **Machine Learning using Python** from 22<sup>nd</sup> Jul 2022 to 19<sup>th</sup> Oct 2022 organized by PanTech e-Learning Pvt Ltd, Chennai.
- Successfully participated **Orientation Training Programme for Mentors** from 3<sup>rd</sup> June 2020 to 10<sup>th</sup> June 2020 conducted by AICTE – NITTTR, Bhopal.

- Successfully participated in the Accreditation Webinar series on **W1: Vision, Mission and PEOs for Technical Institutions** on 7<sup>th</sup> July 2020 organized by National Institute for Technical Teachers' Training and Research, Bhopal.
- Successfully participated in the International FDP on **Develop the ability to write Research Proposal** on 24<sup>th</sup> Apr 2020 organized by AIMIT, affiliated to Bengaluru University.
- Successfully participated in the National FDP on **Effective Project Proposal Writing** on 8<sup>th</sup> & 9<sup>th</sup> May 2020 organized by Velammal Engineering College.
- Successfully participated in the International Online FDP on **ICT Tools for Online Teaching and Learning** from 29<sup>th</sup> June 2020 to 5<sup>th</sup> July 2020 organized by IQAC, Govt. First Grade College in collaboration with Karnatak University.
- Successfully participated in the National FDP on **Use of Gnomio Moodle for effective Learning Environment** on 9<sup>th</sup> July 2020 organized by Meenakshi College of Engineering, Chennai in association with CSI student chapter.
- Successfully participated in the Five days National FDP on **Innovative Tools for Teaching Learning Process** on 9<sup>th</sup>– 11<sup>th</sup> July 2020 & 13<sup>th</sup>– 14<sup>th</sup> July 2020 organized by Meenakshi College of Engineering, Chennai in association with CSI student chapter.
- Successfully participated in the National Workshop - FDP on **Upscaling Pedagogy with Moodle** on 13<sup>th</sup>– 15<sup>th</sup> July 2020 organized by Don Bosco College, Yelagiri Hills in collaboration with Bosco Soft Technologies Pvt. Ltd.
- Successfully completed the International Faculty Development Programme on **Recent Trends in Data Analytics Technology and Solutions** from 8<sup>th</sup> July 2020 to 11<sup>th</sup> July 2020 organized by SRM Institute of Science and Technology, Chennai.
- Successfully completed the Faculty Development Programme on **Recasting from Onsite and Online Pedagogy** from 20<sup>th</sup> July 2020 to 24<sup>th</sup> July 2020 organized by Ethiraj College for Women, Chennai.

#### CONFERENCES ATTENDED / PRESENTED PAPER/ JOURNAL PUBLICATIONS

- [1] Mrs. Shantha Visalakshi. U. and Dr. Shyamala. K., "A Novel and Secured Multi-Agent Based Distributed E-learning Environment", *Paper presented in IEEE International Conference on Microelectronic Devices, Circuits and Systems –ICMDCS'17* and duly published in IEEE Digital Explore, Dec 2018. **(SCIENTIFIC CITATION INDEXED)**
- [2] Ms. Anparasi. K. and Mrs. Shantha Visalakshi. U., "Review on Encryption Techniques of personal Health Records in Cloud Computing", *Paper presented in Second International Conference on Innovations in Contemporary IT Research - ICITR 2015* on 6<sup>th</sup> & 7<sup>th</sup> Feb 2015.
- [3] Mrs. Shantha Visalakshi. U. and Ms. Lavanya. J., "Identifying the effects of blackhole attack in AODV routing protocol in mobile ad-hoc network", *Paper presented in Second International Conference on Innovations in Contemporary IT Research - ICITR 2015* on 6<sup>th</sup> & 7<sup>th</sup> Feb 2015.
- [4] Mrs. Shantha Visalakshi. U. and Ms. Dhivya. K., "Enhanced Hybrid Multipath Routing Protocol For Mobile ADHOC Network", *Paper presented in International Conference on Recent Trends in Computing Technology - ICRTCT-2016* on 22<sup>nd</sup> & 23<sup>rd</sup> Feb 2016.

- [5] Mrs. Shantha Visalakshi. U. and Ms. A. Merlin Jeyapriya “Security Services with Power Consumption over Wireless Sensor Networks”, *Paper presented in International Conference on Recent Trends in Computing Technology - ICRTCT-2016* on 22<sup>nd</sup>& 23<sup>rd</sup>Feb 2016.
- [6] Mrs. SengamalaBarani. S and Mrs. Shantha Visalakshi. U. “Super Cluster Head Selection and Energy Efficient Round Robin Load Balancing Technique in Wireless Sensor Networks”, *Paper published in International Journal of Engineering Science and Computing (UGC APPROVED)* Vol. 7 (4), pp. 10065 –10072, 2017.
- [7] Ms. Priya. C. L and Mrs. Shantha Visalakshi. U., “Secure and Efficient Communication using ECC Algorithm in Wireless Body Area Network”, *Paper published in International Journal of Engineering Science and Computing (UGC APPROVED)* Vol. 7 (4), pp. 10073 –10080, 2017.
- [8] Ms. Janani. S and Mrs. Shantha Visalakshi. U., “A Study on Simulated Reality in Digital Art using Raspberry Pi and OpenCV”, published in the *Mathematical Sciences International Research Journal, (UGC APPROVED)* Vol. 7 (Spl. Issue 3) – ISSN 2278 - 8697, pp. 47 – 54, Jan 2018.
- [9] Ms. Nazreen. S and Mrs. Shantha Visalakshi. U., “A Study on Augmented Reality Virtual Keyboard and Cursor Control based on Eyeball Movement using OpenCV”, published in the *Mathematical Sciences International Research Journal, (UGC APPROVED)* Vol. 7 (Spl. Issue 3) – ISSN 2278 - 8697, pp. 55 – 62, Jan 2018.
- [10] Dr.Shantha Visalakshi. U., “Analysis of Digital Image Processing Techniques and Filtering Tools: Cyber Awareness for Women and Children”, published in the *International Journal of Scientific Research and Review (UGC APPROVED)* ISSN: 2279 – 543x Vol. 7 (5), pp. 1643 – 1647, May 2019 duly presented and published in the conference proceedings ICMR 2019, ISBN: 978-93-87793-89-7.
- [11] Dr.Shantha Visalakshi.U.and Ms. Celine Arockiya Baptista.T, “A Novel approach for the Design of Smart Helmet using Message Query Telemetry Transport Protocol for Accident Avoidance”,published in IJESC **(UGC APPROVED)**–ISSN2321-3361,Sep2019.
- [12] Dr.Shantha Visalakshi. U. and Mrs. Sona. P, “Link Chain Collaborative Filtering with Graphical Key Verification for enhancing Security in Recommender System”, published in the *Our Heritage – ISSN 0474- 9030 (UGC APPROVED)*, Jan 2020 duly presented and published in the conference proceedings ICRDESM 2020, ISBN: 978-81-943584-9-7.

## NATIONAL WEBINARS ORGANISED

- **Convenor** - National level webinar titled **TECH AND NONTECH SKILLSET – POST COVID19: AN INDUSTRY REQUISITE**for the Research Scholars and Students on 26<sup>th</sup> June 2020.
- **Organizing Secretary** - National level webinar titled **BIG DATA DRIVEN SOLUTIONS TO COMBAT COVID 19** for the Faculty, Research Scholars belonging to Computer Science & applications and IT Professionals on 4<sup>th</sup> June 2020.

## GUEST LECTURES ORGANISED

- Session titled **Building Life skills – Impassioned Need for Life** for the MCA Students on 11<sup>th</sup> Aug 2021.
- Session titled **Skills to be acquired – Prospective Young Women Professionals** for the freshers of MCA Department on 23<sup>rd</sup> Nov 2021 (FN) as part of the Student Induction Programme – SIP 2021.
- Session titled **Nutritional Facts behind Healthy Diet Pattern** for the freshers of MCA Department on 23<sup>rd</sup> Nov 2021 (AN) as part of the Student Induction Programme – SIP 2021.
- **Live webinar** titled **CASSANDRA** for the students of MCA Department on 25<sup>th</sup> Jan 2022.
- Session titled **Career Guidance for Prospective young women professionals** for the II MCA students on 4<sup>th</sup> Aug 2022 (FN) as part of the Orientation Programme 2022.
- Session titled **Legal Assistance – Cyber Crime Laws** for the students of MCA Department on 9<sup>th</sup> May 2022 (AN).
- Session titled **Healthy habits for New-Gen Women Professionals** for the freshers of MCA Department on 11<sup>th</sup> Oct 2022 (AN) as part of the Student Induction Programme – SIP 2022.
- **Yoga Training** sessions have been organized as part of the requisite of AICTE from 17<sup>th</sup> Oct'22 to 31<sup>st</sup> Oct'22 for the freshers of MCA Department.

## RESOURCE PERSON

- Member in the **Academic Audit Review Committee** conducted by the Department of Computer Science, Meenakshi College for Women (Autonomous) on 6<sup>th</sup> April 2017.
- **Question Paper Setter** to the post of IT Consultant – Exam conducted by Central Council for Research in Siddha, Ministry of AYUSH, Govt. of India. **(Dec 2017)**
- **SME - Subject Matter Expert** of Experts Committee of E-Learning; Learning Management Systems and E-Content Development organised by Knowledge Buffer, Technical Writing and E-learning Experts on 29<sup>th</sup> Jan 2020.
- **Judge** for the online competition on Disaster Management (CDRRP) organised by Department of Revenue and Disaster Management, Government of India in association with World Bank assisted Coastal Disaster Risk Reduction Project (CDRRP) held in the month of March 2020.
- **Research Coordinator** – The Doctoral Committee for the School of Computing in the faculty of Engineering and Technology has been approved by the Vice-chancellor, SRM Institute of Science and Technology, Kattangulathur, Chengalpattu District.
- **Panel Member** in PG Board, University of Madras, since 2008.
- **Panel Member** in Autonomous colleges since 2006.

## GUEST SPEAKER

- Presented a session for a National level Faculty Development Programme on **AUGMENTED & VIRTUAL REALITY** organized by Department of Computer Science, Phase II, Dr. MGR Education and Research Institute, Chennai on 15<sup>th</sup> May 2020.
- Presented a session for a National level Student Development Programme on **CYBER AWARENESS FOR WOMEN** organized by Department of Computer Science, PSGR Krishnammal College for Women, Coimbatore on 31<sup>st</sup> Mar 2021.
- Presented a session for a Student Development Programme on **PROCESSOR ORGANIZATION – COMPUTER ARCHITECTURE** organized by Department of Computer Science, Mar Gregorious College, Mogappair, Chennai on 15<sup>th</sup> Sep 2021.
- Presented a session for a Professional Development Programme on **RESEARCH WRITING AND METHODOLOGY** organized by Department of Computer Science, Patrician College, Adyar, Chennai on 19<sup>th</sup> Jul 2022.

#### **AUTHOR - BOOK CHAPTER**

- Manuscript got **accepted** and **first Proof** released: **‘IoT based Smart Healthcare Systems (SHCS): Big Data Management and Information Security using Cloud Data Governance’** for the Single Volume Book titled, ‘Intelligent Internet of things for Smart Healthcare Systems’, published by **CRC Press, Taylor & Francis, USA**.

#### **ASLAP PROJECT**

- **Subject Matter Expert cum Reviewer** to **ASLAP (AICTE Student Learning Assessment Project)** MoE Ministry of Education assignment to **AICTE** on the basis of valuable inputs and guidance received from Stanford University(**Mar – Dec 2021**).

#### **REVIEWER JOURNALS & CONFERENCES**

- **Research paper Reviewer** in the **UGC approved National Conference** organised by the Department of Computer Science, Govt. Arts College for Men, Nandhanam, Chennai on 13<sup>th</sup> Mar 2019.
- **Member of the Reviewer Board** in the **International Conference** on Computational Intelligence and Knowledge Economy - ICCIKE 2019 (IEEE Conference Record Number: 47802) organized by Amity University, Dubai on 11<sup>th</sup> and 12<sup>th</sup> Dec 2019.
- **Reviewer**-Reviewed the research article titled, “Feature Extraction using SURF, SIFT and ORB for Sketch and Painting Images” submitted for “International Journal of Forensic Engineering”, Inderscience Publishers, Dated: 18<sup>th</sup> Nov 2019.
- **Reviewer**-Reviewed the research article titled, “Investigating Readiness level of Sports Science Faculty Students towards E-Learning” submitted for “African Educational Research Journal”, Net Journal Publishers, May 2020.
- **Session Chair cum Jury** in Two days **International Conference** on Recent Trends

and Technologies in Soft computing ICRSTC'20, organised by the Department of Computer Science and Applications, St. Peter's Institute of Higher Education and Research, Avadi, Chennai held on 28<sup>th</sup> & 29<sup>th</sup> Sep 2020.

- **Technical Committee Member** in **International Conference** Technical Advisory Committee, ICIHPE 2020 International Conference on Advances in IoT, High Performance and Edge Computing 2020, 14<sup>th</sup> – 18<sup>th</sup> October 2020 organised by Global Technology Forum 2020, ICT Academy.
- Successfully completed **Certified Peer Reviewer** Course – 8 modules offered by Elsevier and Researcher Academy, Mar 2021.
- **Award Winner** – Got shortlisted and qualified for the Global Teachers Award – Nov 2020 on the basis of nomination and merit.
- **Research paper Reviewer** to **16<sup>th</sup> IEEE SOLI 2022 – Service Operations and Logistics and Informatics 2022, Virtual International Conference** held on 2-4 Dec 2022 (Reviewed research articles through EasyChair).
- **Research paper Reviewer** to **2<sup>nd</sup> IEEE OPJU International Technology Conference - OTCON 2022** held on 8-10 Feb 2023 (Reviewed research articles through EasyChair).
- **Research paper Reviewer** to **International Conference on Next-Gen Technologies in Computational Intelligence – NGTCA 2023** to be held on 24-26 Mar 2023 (Reviewing research articles through Microsoft CMT).

#### AWARDS

S.No	Organized by	State/National/International	Topic	Date (s)
NIL				