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REFERENCES

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Dr. ARATHI CHANDRAN R.I.

ASSISTANT PROFESSOR, P.G DEPARTMENT OF
COMPUTER SCIENCE, CHRIST NAGAR COLLEGE,
MARANALLOOR, THIRUVANANTHAPURAM 695512,
KERALA, INDIA

EDUCATIONAL SUMMARY

Ph.D., Noorul Islam Center for Higher Education,
Kumaracoil, Thuckalay, Kanyakumari, Tamil Nadu, India
629180

Master of Computer Applications, Union Christian
College, Aluva, Ernakulam under Mahatma Gandhi
University, Kerala, India.

Bachelor's Degree in Computer Science, National
College, Trivandrum under University of Kerala, India.

Pre-Degree, N.S.S College for Women, Trivandrum
under University of Kerala, India

SSLC, Holy Angels' Convent High School, Trivandrum

PROFESSIONAL EXPERIENCE

Total Experience: 17 years 3 months

Christ Nagar College, Trivandrum, Kerala, India
(Affiliated to University of Kerala) Assistant Professor
9 years 6 months of U.G
5 years of P.G
04 April 2016—Till Date PG Department of Computer
Science

Mar Baselios Institute of Technology, Anchal Kollam,
Kerala (Affiliated to University of Kerala & AICTE) -
Assistant Professor
8 yrs of P.G
11 August 2008 to 31 Mar 2016 Department of M.C.A

Regional Institute of Engineering, Trivandrum, Kerala,
India-Lecturer
4 months
08 February 2008—25 June 2008

CAREER PROFILE

A. ACADEMIC REVIEW

1. Seminars and Workshops

- Programme Convener-Second International Conference on "Advanced Information Science and Computing Systems (ICAISCS)" organized by Christ Nagar College on 28 January 2023.
- Programme Coordinator- "Induction Programme" for first year students organized by Christ Nagar College on 12 December 2022
- Programme Coordinator-Expert Lecturer Series II on "Artificial Intelligence and Future Technologies" organized by Christ Nagar College.
- Programme Coordinator-Expert Lecturer Series I organized by Christ Nagar College on "Digital Transformation for Sustainable Good on 18 October 2022
- Programme Coordinator- Add on Course for BCA Students on "Web Application Development with MEAN STACK" organized by Christ Nagar College on 24 June 2022
- Programme Coordinator- "Cyber Awareness Programme and Latest Trends in Cyber Crime" in connection with Safer Internet Day" organized by Christ Nagar College on February 18 2022.
- Programme Coordinator -"National Technology Day Celebration "organized by Christ Nagar College, Trivandrum, May 13 2021
- Programme Coordinator -"National Technology Day Celebration" organized by Christ Nagar College, May 11 2020.

- Organizing Committee Member—Cyber Security and Ethical hacking organized by Christ Nagar College, Trivandrum on 29 November, 2018.
- Organizing Committee Member—Word Press" organized by Christ Nagar College.
- Programme Coordinator for —Soft Skill DevelopmentII organized by Mar Baselios Institute of Technology, Anchal on 26 Feb 2014.
- Programme Coordinator for—Artificial Intelligence seminar organized by Mar Baselios Institute of Technology, Anchal on 19 Nov 2012.

2. Funded Programmes

- Programme Convener on -National Science Day organized by Mar Baselios Institute of Technology, Anchal on 26 Feb 2015 funded by Kerala State Council for Science and Technology and Environment
- Programme Convener- National Seminar on-IPR-organized by Mar Baselios Institute of Technology, Anchal on 04 July 2015 funded by National Human Rights Commission
- Programme Convener- National Seminar on -Embedded Systems Design and Programming organized by Mar Baselios Institute of Technology, Anchal on 13 March 2014 funded by Kerala State Council for Science and Technology and Environment.

3.Academic Projects for P.Gand U.G

- Guided P.G projects (MSc Computer Science) from 2021 onwards at Christ Nagar College, Trivandrum
- Project -In-charge during 2017, 2018, 2020,2023,2024 at Christ Nagar College, Trivandrum
- Guided U.G projects for B.C.A, B.Sc. (Physics and Computer Applications) at Christ Nagar College, Trivandrum.
- Guided P.G projects (M.C.A) from 2008 till 2015 Mar Baselios Institute of Technology, Anchal.

4.Examiner

- Attended board meetings for MSc Computer Science practical examinations from 2021 onwards.
- Chief Examiner –Kerala University U.G Answer Scripts Valuation 2019 onwards
- Additional examiner for School of Distance Education (SDE) Answer Scripts Valuation.
- Examiner for Kerala University P.G Answer Scripts Valuation 2010 onwards
- External Examiner for B.C.A Practical Examination from 2016 till date.
- External Examiner for M.C.A Practical Examinations from 2010 to 2015.
- External Examiner for M.C.A Project Viva-Voce 2010 -2015
- Attended board meetings for M.C.A practical Examinations from 2010 till 2015.

5.Question Paper Scheme Preparation/ Syllabus Revision

- MCA Question Paper Scrutiny Committee on April 2019.
- Scheme preparation for BCA/BSc.CS/B.Voc Degree Examination from 2017 onwards.

6.Syllabus Revision/Pass Board Meeting.

- BCA/Bsc.Computer science syllabus revision committee on 20/11/2020
- Attended pass board meeting for Bsc. PCA on 09.08.21 at University of Kerala
- Msc computer science syllabus Revision workshop committee Conducted by Board of Studies on Feb 10, 17 and 24 2021.

7. M.C.A. Lateral Entry

- Faculty representation for the meeting at SNIT College, Kollam on 2014.

8.Industrial Visits (IV) and Tours

- IV Coordinator for U.G students at Christ Nagar College, Trivandrum on 5th October 2016 at Techno Park Campus-Fab Lab and Kerala Startup Mission Office (KSUM).
- U.G students tour coordinator at Christ Nagar College, Trivandrum during 2017, 2018,2023,2024.
- P.G tour coordinator at Mar Baselios Institute of Technology during 2011,2013, 2014.

9.Exhibitions-in-Charge

- In-Charge for P.G Students Exhibition conducted at St. Johns College Campus, Anchal on 2014.

10.Students Mentor

- Class-in-charge of U.G students in the years 2017,2018,2023,2024,2025.

11.Student extra-curricular activities

- Coordinated Onam Programme at Christ Nagar College, 2018.
- Was a part of students' extra-curricular activities such as Sports Day, Fresher's Day, Arts Day, Christmas celebration, Academic Day Inauguration, Convocation at Christ Nagar College.

12. Present Responsibilities

- DQAC
- CSI Cell Coordinator
- International Conference Coordinator
- Course Design for FYUGP
- Celebration Committee Convenor

13.Positions Held

- **IQAC Criteria 7 Asst. Convener** at Christ Nagar College.
- **CATKA (Dept. Association) Convenor** at Christ Nagar College, 2023, 2024.
- **Class Advisor** at Christ Nagar College, 2014, 2015, 2020 and 2021 batch BCA students.
- **Faculty Coordinator** for students Association (CATKA) at Christ Nagar College, Trivandrum during the years 2016, 2022 and 2023.
- **Class Advisor** at Mar Baselios Institute of Technology, Anchal during 2008, 2011, 2014, 2015.
- **Faculty Coordinator** for Students Association (AUSA) at Mar Baselios Institute

- **Women's Cell convener** at Mar Baselios Institute of Technology, Anchal 2014.
- **Web Committee coordinator** at Mar Baselios Institute of Technology, Anchal 2011.
- **Eco Club Coordinator** at Mar Baselios Institute of Technology, Anchal 2014.

B. RESEARCH AND EXTENSIONS

1.Conference/Publications

- **Arathi Chandran R I** and V Mary Amala Bai, (2024), "Breast Cancer Recurrence Prediction with Deep Neural Network and Feature Optimization", *Automatika: Journal for Control, Measurement, Electronics, Computing and Communications*, ISSN:848-3380,65(1), pp.343-360 (SCIE Indexed).
- **Arathi Chandran R I** and V Mary Amala Bai, (2024), "Optimizing Breast Cancer Recurrence Forecasting Using ANOVA Feature Selection and GRU Models", *SSRG International Journal of Electronics and Communication Engineering*, ISSN: 2348-8549, 11(11), pp.213-227 (Scopus Indexed).
- **Arathi Chandran R I** and V Mary Amala Bai, (2023), "Optimized Deep Convolutional Neural Network for The Prediction of Breast Cancer Recurrence", *Journal of Applied Engineering and Technological Science*, ISSN:2751-6079,5(1), pp.495-514 (Scopus Indexed).
- **Arathi Chandran R I and V Mary Amala Bai**, "Development of Optimized Support Vector Machine Algorithms for Breast Cancer Recurrence Prediction", In *International Conference on Networks, Image & Security*,

Image & Security, Noorul Islam Center for Higher Education, Kumaracoil, Tamil Nadu, India on 23rd and 24th August 2023, ISBN: 978-81-945891-5-0, pp. 44-52

- **Arathi Chandran R I** and V Mary Amala Bai, "Survey on Breast Cancer Recurrence Prediction using Deep Learning", In International Conference on Recent Trends in Information Technology, Mar Gregorios College of Arts and Science, Chennai, Tamil Nadu, India on 11th and 12th November 2021, ISBN: 978-81-953432-6-3, pp. 103-114
- An Exploratory Study on Student Inattentiveness using ANN International Journal for Modern Trends in Science and Technology Volume VII Issue III March 2021 p52-53 ISSN NO:2455-3778.

2. Seminars/Workshops Attended:

- Attended a national seminar on —Network Simulators, batch at Christ Nagar College, Trivandrum on PSG college, Coimbatore.
- Mentored P.G students from 2008 till 2015 at Mar Baselios Institute of Technology, Anchal.
- Attended a Workshop on —RASPERRY PI, organized by Dept. of Computer Applications, College of Engineering Trivandrum on 19-11-2018.
- Attended a Workshop on —GITSII, organized by Dept. of Computer Applications, College of Engineering Trivandrum on 10-11-2018.
- Attended two-day National Seminar on —Machine LearningII organized by Dept.

- 11 days National worship on —Curriculum Design and DevelopmentII by center for curriculum Research, Policy and Educational Development at school of education PMMMNMTT(MHRD sponsored) from 21/7/2020 – 31/7/2020.
- One-week online workshop on —Redefining Customer Experience with Augmented Reality (AR) and Virtual Reality
- (VR) by PES College of Engineering, Mandya from 17/08/20 till 21/08/20.
- One week NACC Revised Accreditation framework – Resolving the practical snags (under UGC PARAMARSH scheme) from 17/08/2020 – 24/08/2020.
- National e – workshop (in association with RUSA and IQAC) on —Changing Scenario in College Education in the context of National Education Policy 2020II from 05/09/2020 till 09/09/2020 by Govt P.G College, Bilaspur.
- One day online National Workshop on —IPR and InnovationsII by Baja j College of Science, Wardha on 19/12/2020.
- 7 day online workshop on —Revised NAAC Norms and ProceduresII by St.Joseph's College(Autonomous), Bengaluru from 07/01/2021 to 15/01/2021.
- 7-day National Workshop on Developing Online Content and Managing Blended Learning Tools organized by the School of Distance Education, University of Kerala from 24/03/2021 to 30/03/2021.

- 7-day capacity Building workshop on –Accreditation: Different Aspects and Key-pointsII organized by Hindu Kanya College, Kapurthala from 01/05/2021 to 08/05/2021.
- 5-day workshop on –Advance Teaching Learning Research Methodology and InnovationsII organized by Saint Francis College, Nagpur.
- 8-day national level workshop on Research in Higher Education Institutions organized by SNGC, Coimbatore.

3.FDP Attended

- Attended Seven days National PDP on "Advancing Academic Research:Trends,Tools &Techniques" organized by Dept. Of Accounting & Finance,Patrician College of Arts &Science on 6th June to 12th June 2025.
- Attended FDP on Python –Exploring Python organized by Dept. of Computer Applications, Christ Nagar College, Trivandrum on September 21-22, 2019.
- Attended FDP on –Artificial Intelligence and Machine LearningII organized by Network Systems, Trivandrum on October 252019
- Attended National Seminar on criteria 2, –Teaching Learning and EvaluationII at Christ Nagar College, Trivandrum on 28-02-2020.
- 3 days Fdp on –Research Insights on Internet of Things by Kristhu Jayanthi College (Autonomous) Bengaluru on 15, 16, 18 May 2020.
- One week online fdp on –Big data tools by St Martin's Engineering College

- 2 days fdp on –Innovative Teaching and Learning Methods by St.Xavier's College for women, Aluva on 20/5/2020 and 21/5/2020.
- 2 days fdp on –Migration of IT uniform cloud by Poornima Institution of Engineering and Technology on21/5/2020.
- One Week National Level online faculty development programme or innovation to Academicians by Ramachandra College of Engineering from 11/5/2020 –16/5/2020.
- 7 days fdp on R programming by St. Joseph's College (Autonomous) from 4/5/2020 to11/5/2020.
- 5 days Online National fdp on ICT based Teaching and Learning process by Hindustan College of Arts and Science from 1/6/2020 to5/6/2020.
- Online International fdp – E-governance Culture: Transformation in Higher Education by Association of principals of College of Bharathiar University and Hindustan college of Arts and Science on26/6/2020.
- One day International fdp on Constructive Teaching learning environment involved constructivism by Hindustan College of Arts and Science on7/6/2020.
- 7 days fdp on –Transforming Education The google classroom wayII by Aachi Institute of Management and entrepreneurial Development from 1/6/2020 to7/6/2020.
- One week National fdp on –Moodle learning Management SystemII by Spoken Tutorial IIT Bombay from 10/6/2020 to 16/6/2020.

- Online International fdp on E-governance during pandemic: Transformation in National level Webinar on –Paradigm Shift from offline to online TeachingII by KRM DAV College on 13/6/2020.
- One day International fdp on Constructive Teaching learning environment involved constructivism by Hindustan College of Arts and Science on 7/6/2020.
- 7 days fdp on –Transforming Education The google classroom wayII by Aachi Institute of Management and entrepreneurial Development from 1/6/2020 to 7/6/2020.
- One week National fdp on –Moodle learning Management SystemII by Spoken Tutorial IIT Bombay from 10/6/2020 to 16/6/2020.
- Online International fdp on E-governance during pandemic: Transformation in National level Webinar on –Paradigm Shift from offline to online TeachingII by KRM DAV College on 13/6/2020.
- 5 days online –International Conference on Innovative Challenges in Multidisciplinary Research and PracticesII by Hindustan College of Arts and Science from 15/7/2020 till 19/7/2020.
- 6 days international fdp on Recent trends in Science and TechnologyII on 15/6/2020.

- 5 days Online fdp on –Moodle learning and Management systemII Organized by Government Arts College for Women, in association with IIT Bombay on 2/6/2020 to 6/6/2020.
- Two-week fdp on –R language and RstudioII from 22/6/2020 to 5/7/2020 by Cambridge Institute of Technology, Bangalore.
- One-week international FDP on –Teachers leadership quality in High educationII by Sairam Institute of Management Studies from 24/6/2020 to 30/6/2020.
- 5 days online national FDP on –ICT based TeachingII by Hindustan collage of Arts and Science from 1/6/2020 – 5/6/2020.
- Online international FDP e government Culture: Transformation in Higher education State holders UXII by association of principals of collage of Bharathiar university and Hindustan collage of arts and science on 26/6/2020.
- 5 days fdp on Latex and its Applications for video by Vidyavardhaka College of Engineering from 20/7/2020 to 24/7/2020.
- International FDP on –Linux fundamentals with cloud and Container platformII by Red Hat from 22/7/2020 to 28/7/2020.
- UGC paramarsh FDP on –ICT in Teaching and learning –by MSP Maudal's shrishivaji College from 13/7/2020 till 18/7/2020.
- One-week international fdp on –AI and data science by JSPM's Rajarshishahu college of Engineering, pune from 22/7/2020 – 26/7/2020.

- One week Hands on FDP on AI using Python by Govt College of Engineering and Ceramic Technology on 14/09/2020 till 19/09/2020.
- National Level Virtual FDP on NAAC Process on Quality Advancement by Sree Narayana Guru College in 12 days FDP on —online teaching Learning and research methodology by Govt P.G college, Bilaspur from 18/7/20 to 29/7/2020.
- 88-Day National level Virtual FDP on NAAC Process on Quality Advancement by Sree Narayana Guru College in collaboration with IQAC, Bharathiar University.
- 7-day FDP on Recent Trends in Medical Image Processing by Easwari Engineering College, Chennai from 24/02/21 to 02/03.2021.
- 17 may 2021 to 5 june 2021 attend three weeks international FDP on Research perspectives on AI, ML, Data Science, and IOT organized by department of ECS, KLEF.
- 18 may 2021 to 24 may 2021 one-week FDP on —Data science and Business Analytics organized by Sri Sai Ram Institute of Management Studies, Chennai.

4. STTP Attended

- One-week STTP on Advanced Research Methodology by REST Society 11/5/2020 to 18/5/2020.
- One week online STTP on Teaching Learning Pedagogies funded by AICTE with A.G Patil Polytechnic Institute, Solapur from 03/08/20 – 08/08/20.

- One-week online STTP by AICTE on —BigData and Hadoop from 21/09/2020 – 26/09/2020.
- Six days STTP on —Big Data Analytics using Soft Computing Tools from 05/10/2020 till 10/10/2020 by MCKV Institute of Engineering in association with AICTE.
- AICTE Sponsored online STTP on —Challenges and Applications on Cyber Physical Systems GIET University, Gunupur from 21/12/2020 to 28/12/2020.
- STTP on Recent Trends and challenges in Data Science 18/01/21 to 23/01.2021
- 1 may 2021 to 5 june 2021 attend STTP on database management and data analytics in IOT sponsored by AICTE.
- 7 june 2021 to 19 june 2021 attend national level STTP on Full stack AI and Deep learning Practitioner Approach organized by KL university.

5. Courses Completed

- Course on python programming using google colab and SQL by CSI, Trivandrum 22/4/2020-30/4/2020.
- Course on —Deep Learning for Beginner's by CSI, Trivandrum from 31/5/2020 to 3/6/2020.

6. Refresher Programme Attended

- AICTE – ISTE sponsored online Indirectional Refresher Programme on —Machine Learning and Pattern Recognition by SSBT College of Engineering and Technology from 21/12/2020 to 26/12/2020.

- International two weeks refresher course on Teaching, Learning and Research Pedagogy for excellence in education organized by Sriram institute of Technology from 31/05/2021 to 14/06/2021.

7.Conference/Lecture Series/Talks/virtual summit Attended

- International one-week online lecture series of Trends in AI and MLII from 16/7/2020 till 21/7/2020 by North Orissa university.
- 5 days online –international conference on innovative challenges in multidisciplinary Research and practicesII by Hindustan collage of arts and science from 15/7/2020 till 19/7/2020.
- Online International lecture series on –Bridging research perspective 2020 held from 15/7/2020 – 17/7/2020 by research group Government Vidarbha Institute of Science & Humanities, Amravati
- 11 may 2021 attended one day virtual summit NTD 2021 @DUK, women leaders of tomorrow in the digital era organized by Kerala university of Digital Sciences,Innovations and Technology.

Symposium

- 5 day international symposium on IOT and ML for Ecosystem Restoration and Resilience organized by Amritha Vishwa Vidyapeetham from 05/06/2021 to 09/06/2021.

8.Webinars Attended

- Webinar on –A fun approach to Object Oriented Programming by CSI, Trivandrum on 16/4/2020
- National Webinar Series on Transcending Lockdown Barriers through Academic outreachII by KSMD College,Sasthamcotta by 14/5/2020 to 20/5/2020.
- Webinar on –Post COVID19: Science and TechnologyII by SKM University in association with –THE HINDU on 29/5/2020.
- Webinar on –Data VisualizationII by V.O. Chidambavam College on 30/5/2020.
- 2-day Webinar on –Data Science and AnalyticsII in association with ICT Academy of Kerala on 27/5/2020 and 29/5/2020. Webinar on Data Analytics: Challenges and Opportunities by St.Joseph's College (Autonomous) on 16/5/2020.
- Webinar on Introduction to Hyper Converged Computing technologyII on 26/5/2020 by St.Joseph's College (Autonomous).
- Webinar on –Advanced Networking ConceptsII by St.Joseph's College (Autonomous) on 17/5/2020.
- International webinar on Role of Women Entrepreneurs' in Logistics and Supply Chain MovementII by St.xavier's College for Women, Aluva on 14/5/2020.
- National Webinar on UGC sponsored National Webinar Series(V1) criteria by St.Teresa's College (Autonomous), Ernakulam 18/5/2020.

- National Webinar on UGC sponsored National Webinar Series(V) Criteria by St.Teresa's College (Autonomous), Ernakulam 16/5/2020.
- Webinar on —NAAC Accreditation Process by Rathinam College of Arts and Science (Autonomous) on 26/5/2020. Webinar on —Wordpress Development by Cyber Teczon 16/5/2020.
- One day Quality Improvement on Introduction to E-learning
- Software tools for Educators by Soghra College Nalanda on 26/5/2020
- Webinar on Higher Education by Hindustan College of Arts and Science on 24/6/2020.
- Webinar on —Introduction to IPR and Protecting your Intellectual Property by St. Ignatius College of Education 25/6/2020.
- Training session on —Data Visualization using Python as part of International Symposium on Current trends in Research and Innovation in Association with ACM on 20/6/2020.
- National Level Faculty Development Webinar on Students Road to Success: The Changing Role of The Teachers by Yelagiri Hills ACM Chapter and School of Computing Science on 27/7/2020.
- National level Webinar on —AI by MES College Erumely on 9/6/2020.
- Webinar on —Introduction to R Programming by Christ Nagar College on 5/6/2020.

- Webinar on Algorithmic foundations of IOT, 5G Networks with applications by St. Aloysius College (Autonomous) on 18/6/2020.
- National level webinar on Paradigm shift from offline to online teaching by KRM DAV collage on 13/6/2020.
- National level faculty development webinar on students Road to Success: The changing role of the teachers by Yelagiri Hills ACM Chapter and school of computer science on 27/7/2020.
- National level webinar on —AI by MES College Erumely on 9/6/2020.
- Webinar on —Introduction to IPR and protecting your intellectual property by St. Ignatius college of education 25/6/2020.
- Training session on —Data Visualization using python as part of international symposium or Current trends in research and innovation in animation with ACM on 20/6/2020.
- Webinar on Cyber physical system —by University College of Engineering Trivandrum on 2/7/2020.
- Webinar on Predatory Journals a Growing Threat for Academicians by Bishop Heber College on 4/7/2020.
- International webinar on offline to online: Survive in the virtual world by Holy Cross College of management and technology on 7/7/2020.
- Webinar on innovative applications of IOT and AI implemented in the COVID era by SPIHER-MSME on 9/7/2020.

- One day national Webinar –ICT Enabled Higher Education in India organized by Guru Angad Dev Teaching Learning Center (PMMMNMTT and MHRD) on 13/7/2020.
- Webinar on –recent trends in computers science on 8/7/2020 by Yelagiri Hills ACM Chapter and school of computer science.
- National level webinar on –cyber-crime by Mamasheeb Mohol College on 11/7/2020.
- National level webinar on cyber psychology 2020 on 8/7/2020 by NKT National college of education for women.
- International webinar on An extensive overview of digital image inpainting on 9/7/2020 by Dr.SNS Rajalakshmi collage of Arts and science.
- International 7 days online webinar on current Scenario of work management and ICT Tools for Teaching and learning process by Hindustan collage of Arts and science from 9/7/2020 – 15/7/2020.
- Four days international webinar series on Emerging Trends in Information Technology by Don Bosco College from 18/08/2020 –21/08/2020.
- Webinar on Effectively Utilizing the lockdown period by University College of Engineering, Kariavattom on 04/08/2020.
- Webinar on –Online Learning and Students Engagement Techniques by 09/08/2020.

- Webinar on –Quantum Cryptography by Govt College of Kariavattom on 01/08/2020.
- Webinar on –Networking and System Administration by Lourdes Matha College of Science and Technology on 14/08/2020.
- Webinar on –Machine Learning by Lourdes Matha College of Science and Technology on 20/08/2020.
- One day National webinar on –Security and Privacy Concerns in Online Teaching – Learning on 05/08/2020 by College of Education, Barshi.
- Webinar on New Education Policy 2020, Online Education and its Amalgamation with Classroom Education by Govt
- P.G College, Obra on 30/08/2020.
- Webinar on National Education Policy Autonomy Status : Challenges and Opportunities by Rani Parvati Devi College of Arts and Commerce, Karnataka on 08/08/2020.
- International webinar on –Revisiting Human Rights, Ethics and Environment during COVID – 19 held on 06/08/2020 and 07/08/2020 organized by teaching Learning Centre Ramanujan College (University of Delhi) sponsored by PMMMNMTT and MHRD.
- Webinar on –Robotic Process Automation Next generation tool for programmers by SNIT on 22/08/2020.
- NDLI user Awareness webinar held on 04/11/2020 by National Digital Library of India.

- One day National webinar on NAAC Accreditation Process and Documentations under UGC PARAMARSH scheme on 18/12/2020 by K.J.Somaiya College of Arts and Commerce.
- Three-day international webinar on Language, Data and knowledge Extraction jointly organized by the Department of Computer Science and Department of Linguistics, University of Kerala on 22nd to 24th March 2021.
- Online Workshop on –Developing Mentoring Competency organized by IQAC of St.Teresa's College (Autonomous), under the PARAMARSH scheme of UGC on Mar 20 2021.
- Webinar on –Why IP is important in academia Organized by MHRD Innovation cell on 26th April 2021.
- Webinar on –IPR organized by IQAC Christ Nagar College, Maranalloor, Trivandrum on 26th April 2021.
- Web seminar on –External Higher Education Quality Assurance in Pandemic Times organized by NAAC, Govt of India on 28th April 2021.
- National Webinar on Role of Teachers in Motivating, Inspiring and imparting value education in virtual classrooms organized by Tamil Nadu Teachers Education University, Chennai on 28th April 2021.
- Webinar series conducted by KSCSTE in connection with National Technology Day on 11 may 2021.

- Webinar on –technical paper writing tricks and tips organized by the oxford college of Engineering, Bangalore on 29 may 2021.
- Webinar on –Ecological Restoration in connection with world environment day organized by the association for environmental awareness and cultural forum of k J Somaiya college of Arts and commerce, Mumbai on 5 june 2021.
- Webinar on food safety organized by Christ Nagar College, Trivandrum on 9 June 2021.
- Webinar on ML organized by Carmel college, Muhamma on June 21 2021.

Book Chapters

- Rony Thomas Mathew, **Arathi Chandran R.I,** Lekshmi V." Empowering Rural India: A pathway through Agriculture, Technology, Innovation and Skill Development" for the book title Bharat Vision 2047: Catalyzing Inclusive and Sustainable Development"