

Profile

Name : Dr. G. Arockia Sahaya Sheela
Educational Qualification : MSc, MPhil, MBA, BEd, with SET, PhD
Department & College : Department of Computer Science
 St. Joseph's College (Autonomous)
 Tiruchirappalli – 620 002



Years of Experience in Holy Cross College: 18 Years

Received Ph.D. Guide-ship:

From Bharathidasan University in the computer science (29.06.22)

And Guiding 4 member – 2 Part time & 2 Full time members.

Sl.No.	Degree	Subject	Year of Completion	Name of the College / University
1.	U.G.	B.C.A.	2003	Holy Cross College, Bharathidasan University
2.	P.G.	M.Sc.	2005	Holy Cross College, Bharathidasan University
3.	M.Phil.	CS	2007	Bharathidasan University
4.	Others	M.B.A	2011	Bharathidasan University
5.	Others	B.Ed.	2012	Oxford College of Education
6.	Others	SET	2016	Mother Theresa University
7.	Ph.D.	CS	2019	St.Joseph's College, Bharathidasan University

PATENTS					
Sl.No.	DoA	Appln No	Title	country	Result
1.	10.04.2019	201941014444	IoT Based Coal Mine Safety Monitoring System with GPS Tracking	Indian	Under Examination
2.	07.05.2021	202141019203	Developing an Intelligent System Architecture for Extending Security Perspective by using Innovative Technique in IOT Resource Systems	Indian	Under Examination
3.	03.06.2021	202131024688	A Novel automated security model for COVID 19	Indian	Published
4.	22.06.2021	202121027845	IoT Based Real-Time Automated Air Purifier	Indian	Published
5.	21.07.2021	346534-001	Intelligent ROBOT for unmanned Regions (Design)	Indian	Published
6.	29.10.2021	202121044026	An Internet of Things (IOT) based Neonatal Intensive Care Unit System	Indian	Under Examination
7.	13.05.2022	20220513113714 00DE	An IOT based Clay Cabin System for Fruits Preservation	German	Under Grant
	31.05.2022	202241031178	Vermichar an Eco- Fertilizers (Filed)		Applied
8.	19.04.2023	384322-001	AI control Lidar Robot (Design Patent - Design Accepted and Received Recognition certificate)	Indian	Granted
9.	28.08.2023	6306111	Quad Laser Optics Metal Additive Manufacturing Machine	UK	Granted
10.	5.10.2023	6315485	Affordable Solar Assisted Neonatal Intensive Care Warmer	UK	Granted
11.	4.01.2024	403765-001	Artificial Intelligence based robot for security checkup (Design Patent - Design Accepted and Received Recognition certificate)	Indian	Granted

Awards Received:

Sl.No.	Name of the Award	Awarded by	Link
1.	Indian Scientist Award 2021	International Research Association	https://www.ira.uk.net/awardees
2.	Best Young Faculty Award 2021	Tamilnadu Association of Intellectuals and Faculty (TAIF) & GRABS Educational Charitable Trust	https://grabstrust.com/activities.php?activities=GRABS+Awards
3.	Dr.(Sr.) Dona Award – Special Recognition 2022	Holy Cross College Management	
4.	Best Indian Research Award 2022	Apeejay School of Management, New Delhi	
5.	Tamil Kavi Amuthu Award 2022	Holy Cross College and BEL Foundation	
6.	Dr.(Sr.) Dona Award – Special Recognition 2023	Holy Cross College Management	
7.	Dr.(Sr.) Dona Award 2024	Holy Cross College Management	

Books Published:

Sl.No.	Name of the Book	Publisher	ISBN	Author/member
1.	Perspectives of Smart and Innovative Technologies	Yazhli Global Multidisciplinary Research Organization (YGMRO) - 2020	978-81-953467-6-7	Editorial Board Member
2.	Research Areas in Data Analytics and Security - 2022	Holy Cross Publishing House	978-81-953014-0-9	Editor In Chief
3.	Perspectives of Smart and Innovative Technologies year – 2020 <ul style="list-style-type: none"> • Analysis on Smart Bus Ticket System – Pg.No.48 • Review on Wireless Sensor Network – Pg.No.52 • An outline of Wireless Sensor Network – Pg.No.67 	Yazhli Global Multidisciplinary Research Organization (YGMRO) - 2020	978-81-953467-6-7	3 Chapters
4.	Academia and Society – International Journal of Education and Society <ul style="list-style-type: none"> • Study of Fuzzy Clustering in Temporal Data Mining – Pg.No.48 	International Journal of Education and Society	ISSN 2393-9419 EISSN 2393-8919	1 Chapter
5.	Book Title: Business Intelligence Analytics and Data Science	Alpha International Publication (AIP) – 2023	ISBN: 978-93-5762-087-1	One of the Author among 4
6.	Python Programming Essentials	Scholars' Press – 2023	ISBN: 978-620-6-77064-0	One of the Author among 3
7.	Innovations in Real-Time Machine Learning Book Chapters Names: <ul style="list-style-type: none"> □ CYBER HACKING BREACHES PREDICTION AND DETECTION USING MACHINE LEARNING – Pg.No.10 □ WATER QUALITY ANALYSIS – Pg.No.45 □ A COMPARATIVE ANALYSIS OF GENDER RECOGNITION PREDICTION – Pg.No.184 □ WINE PREDICTION USING MACHINE LEARNING ALGORITHM - Pg.No.263 □ AN EVOLUTION OF IOT-BASED CLAY EVAPORATIVE COOLING SYSTEM - Pg.No.273 □ CRIME PREDICTION AND ANALYSIS - Pg.No.302 □ LUNG CANCER FINDING & PREDICTION USING IMAGE PROCESSING - Pg.No.374 	Scholars' Press – 2024	ISBN: 978-620-6-76944-6	7 Chapters

8.	R Programming Lab Manual	Scholars' Press – 2024	ISBN: 978-3-639-86334-5	Editor In-Chief
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Projects undertaken

Academic Year	Government / Private	Details
2021- 2022	Seed Grant from the Management of Holy Cross College (Autonomous)	Title: An Evolution of IOT-based clay evaporative cooling system Period: April 2021 – April 2022 Amount Requested: 17,000 Status: Sanctioned 19,000
Started From 2021	UGC STRIDE – Component I	Member and Working under the project of UGC STRIDE – component I. Team 12: A Student – LED Entrepreneurship to improve livelihood through production of Vermichar an Eco-Fertilizers for soil Remediation Amount Received : Rs. 25,000
2022	Principal Investigator Minor Project Indian Council of Social Science Research (ICSSR)	Applied For RS. 4,74,000 (Proposal Sent) A Socio-Economic Assessment of Pradhan Mantri Kaushal Vikas Yojana (PMKVY): Indian Youth To Take Up Outcome-Based Skill Training
2020	Principal Investigator Minor Project - Department of Science & Technology	Applied For RS.2,50,000 (Proposal Sent) Smart E-Bus Ticket Vending Machine Affixed With Fingerprint Sensor Using Rfid Tag System

Positions:

S. No.	Name of the Position	Period
1	Coordinator for Computer Science Dept. (Shift II)	2007-2008
2	Staff Assistant Secretary (Shift II)	2011 – 2012
3	Overall Staff Secretary (Shift II)	2012 – 2013
4	AICUF Coordinator (Shift II)	2011 – 2017
5	Women's Day Celebration – Incharge	March 8 2019
6	Incharge for Proceedings preparation in CD – “Youth and Values”	Jan 2018
7	Crossian Institute for Collaborative Research on Sustainable Development (CICIRSD) – Science Club Member	March 2018 – July 2022
8	Finance Committee Member – ICNRI'18 (International Conference on Networking, Research and Innovation in Higher Education : Challenges and Channels)	August 2017 – July 2018
9	Grievance Redressal Committee (GRC) – College Core Committee Member	2019 onwards
10	Internal Complaint Committee (ICC) – College Core Committee Member	2019 onwards
11	NAAC Peer Team Visit – Technical Committee Coordinator	FEB 2020
12	NAAC Peer Team Visit – Conference Hall Incharge	FEB 2020
13	Head in Data Science Department	JULY 2021 onwards
14	SPOC in PMKVY	2022

Outreach Activities

Academic Year	Details
2022 - 2023	Student Exchange Programme in Patna Women's College, Patna, India 27.1.2023 – 3.2.2023 Subject going to Handle: Data Analytics
2021 - 2022	Pradhan Mantri Kaushal Vikas Yojana (PMKVY) for Technical Institutes – AICTE Single Point Of Contact (SPOC) for Skill Hub Initiatives
2017 – 2018	Pradhan Mantri Kaushal Vikas Yojana (PMKVY) for Technical Institutes – AICTE Technical Incharge for the courses Data Entry Operator and Junior Software Developer
2018 - 2019	Pradhan Mantri Kaushal Vikas Yojana (PMKVY) for Technical Institutes – AICTE Technical Incharge for the courses Data Entry Operator and Junior Software Developer

Journal / Articles Published: (Attach the list using the format given below)

- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Aspect Oriented Metrics – A survey", **International Journal of Emerging Trends in Computing and Communication Technology (IJETCCT)**, ISSN: 2348-4454, vol.2, Issue 3, pp.125-130, 2015. (UGC Approved Journal)
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Analysis of Measuring the Complexity of Advice using a Cognitive Approach", **International Journal of Applied Engineering Research (IJAER)**, ISSN: 0973 4562, vol. 10, Issue 82, pp. 32-37, 2015. (Scopus Indexed)
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Design and Analysis of Aspect Oriented Metric CWCAE using Cognitive Approach", **International Journal of Engineering Research & Technology (IJERT)**, ISSN: 2278–0181, vol. 5, Issue 04, pp. 543-550, April 2016. (Scopus Indexed)
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Statistical Analysis of Pointcut Complexity Metric using Cognitive Approach", **International Journal of Control Theory and Applications (IJCTA)**, ISSN: 0974-5572, vol. 9, pp. 29-34, 2016. (Scopus Indexed)
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Design and Analysis of Aspect Oriented Metric CWCoAR using Cognitive Approach", **Computing and Communication Technologies, IEEE**, ISBN: 978-1-5090-5573-9, pp. 195-197, 2017.
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Maintenance Effort Prediction Model using Aspect- Oriented Cognitive Complexity Metrics", **International Journal of Advanced Research in Computer Science (IJARCS)**, ISSN No. 0976-5697, vol. 8, Issue 9, pp. 1-4, September 2017. (UGC Approved Journal)
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, "Aspect Oriented Programming – Cognitive Complexity Metric Analysis Tool", **International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT)**, ISSN No. 2456-3307, vol.3, Issue 1, 2018. (UGC Approved Journal)
- G. Arockia Sahaya Sheela and Dr. A. Aloysius, Empirical Validation of DAAOMT using Maintenance Effort Prediction, **International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCAMS)**, Volume 7, Issue 4, July 2018. (UGC Approved Journal)
- Dr. G. Arockia Sahaya Sheela and Dr. K.R. Martin, Kindred Pointcut Complexity Metric: A Cognitive Approach, **Webology**, ISSN: 1735-188X, Vol. 18, No. 6, pp. 2218-2227, 2021. (Scopus Indexed)
- Dr. G. Arockia Sahaya Sheela and Dr. K.R. Martin, An Estimation Of Measuring The Complexity Of Advice Using Fuzzy Logic Technique, **Webology**, ISSN: 1735-188X, Vol. 18, No. 6, pp. 2699-2708, 2021. (Scopus Indexed)
- G. Arockia Sahaya Sheela, "Coal Mine Workers Smart Safety Nursing Security System", **International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)**, Volume 2, Issue 7, July 2020
- G. Arockia Sahaya Sheela, "Study on Advancement on Android and its Versions", **International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)**, Volume 2, Issue 7, July 2020
- G. Arockia Sahaya Sheela, "E-Illegal Voting Detector", **Journal of MultiDimensional Research and Review (JMRR)**, Volume 2, Issue 3, Oct 2021

CONSULTANCY /RESOURCE PERSON

Academic Year	Name of the Programme	Date	Details
2018	Cloud Performance Management	12.10.2018	Cauvery College of Arts & Science for Women(Autonomous), Tiruchirappalli – 620 003
2020	Webinar Series on the topic “C++”	08.06.2020	Dhanalakshmi Srinivasan College of Arts & Science For Women (Autonomous), Perambalur– 621 212
2020	Webinar Series on the topic “PHP”	10.06.2020	Dhanalakshmi Srinivasan College of Arts & Science For Women (Autonomous), Perambalur– 621 212
2020	E-Content Development	04.08.2020	Holy Cross College Of Education, Tiruchirappalli – 620 008
2021	Delivered Motivational Talk on ‘Celebrating Women Hood’	8.3.2021	Aiman College of Arts & Science for Women, Tiruchirappalli – 17 International Women’s Day Celebration
2021	Five Days FDP – “Innovation, Incubation & Research Challenges in India”	22.6.2021 – 11.00 AM-12.00 PM	IES College of Engineering, Chittilapilly, Thrissur – 680 551.
2021	Three Days – Hands on Training on R Programming (Under the aegis of DBT Star College Scheme)	26.10.2021 – 28.10.2021	Organised by Department of Mathematics Jamal Mohammed College(Autonomous), Tiruchirappalli – 20
2022	Two Weeks Workshop on Innovation and Technological Entrepreneurship – Topic: Future of Data Science	17.02.2022	Greater Kolkata College of Engineering and Management
2022	Chair Person in the National level Virtual Conference on Information and Computing Technologies	25.02.2022	Department of Information Technology Bishop Heber College (Autonomous), Tiruchirappalli – 2
2022	Two Day Workshop on R Programming	25.4.2022 & 26.4.2022	PG & Research Department of Computer Science National College (Autonomous), Tiruchirappalli – 2
2022	Keynote Speaker in the 2 Days World Innovation Patent Conclave 2022	27.8.2022	Apeejay School of Management, Dwarka, Delhi
	Judge in Talent Fest 2k22	30.8.2022	Department of BVOC (SD & SA) St. Joseph’s College (Autonomous), Tiruchirappalli – 2
2022	Resource Person in NTA NET Coaching – Paper I	9.9.2022	Placement Cell Jamal Mohammed College(Autonomous), Tiruchirappalli – 20
2022	Resource Person for the topic of Data Analytics	26.9.2022	PG and Research Department of Computer Science Nehru Memorial College (Autonomous), Tiruchirappalli
2022	Resource Person for Youth Awakening Day In commemoration of Dr. A.P.J. Abdul Kalam’s Birthday	15.10.2022	PG Department of Computer Application Holy Cross College (Autonomous) Trichy – 2
2023	Resource Person for Association on Data Analytics	18.01.2023	Department of Computer Science & IT Jamal Mohammed College (Autonomous) Trichy - 2
2023	Judge in Paper Presentation –	20.01.2023	PG Department of Computer Application Holy Cross College (Autonomous)

	WEBFEST 2023 Intercollegiate Competition		Trichy – 2
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E-lessons developed:

S.No	Title of e-lessons
1.	Computer Networks – Routing Algorithms
2.	Computer Graphics – 3D viewing Transformations
3.	C Programming – Data Types
4.	Data Visualization Techniques – Analysis of Data

S.No.	Name of the Staff	Title of the E-content lesson	Name of the Platform Loom/Screen Recording /OBS/Google Meet/etc.	Subject, Unit of the lesson	Class & Programme
1	Dr. G. Arockia Sahaya Sheela	DataTypes	Google Meet	C Programming Unit – II	I B.Voc.

Areas of Specialization: Software Metrics, Cloud Computing, Internet of Things

Conference/Seminar/Workshop/ Training Programme attended – Academic & General:

(Last five years)

S. No.	Theme	Place	International / National / State level	Year	Resource Person / Paper Presentation/ Participation
1.	National Conference On Computer Science And Communication Technology Title: Organization Of Wireless Micro Sensor Network Models.	St. Joseph's College, Trichy.	National Level	2007	Paper Presentation
2.	E-Content Development	Holy Cross College (Autonomous), Tiruchirappalli – 620002	5 Days Workshop	Aug 14 2007	Participation
3.	National Conference on Advanced Computing & Communication Technologies	Holy Cross College (Autonomous), Tiruchirappalli – 620002	National Level	Feb 20,21 2009	Organizing Member & Participation
4.	National Conference on Emerging Trends in Communication and Information Technology	Holy Cross College (Autonomous), Tiruchirappalli – 620002	National Level	Jan 6, 7 2010	Organizing Member & Participation
5.	National Conference on Web Engineering	Holy Cross College (Autonomous), Tiruchirappalli – 620002	National Level	Feb 19,20 2010	Organizing Member & Participation
6.	National Seminar on Cloud Computing	Holy Cross College (Autonomous), Tiruchirappalli – 620002	National Level	2010	Participation
7.	National Conference On“E-Publishing In The Present Era Of Consortium”. Title: “Rfid Based Library Management System”.	Holy Cross College, (Autonomous), Trichy.	National Level	2011	Paper Presentation

8.	National Seminar on Ict For Social Development – Experiences of Indian Villages “The Role Of Ict In Education”	Atmes College, Nendumkandam, Kerala (UGC Sponsored)	National Level	2011	Paper Presentation
9.	International Conference on Advanced Computing ICAC 2015	Jamal Mohammed College, Trichy	International Level	Dec 3–4,2015	Paper Presentation
10.	National Seminar on Emerging Trends in ICT- Enabled Teaching Learning Process	Pavanatma College, Kerala	National Level	Feb 11 -12, 2016	Paper Presentation
11.	International Conference on Computing Communication and Information Science (ICCCIS'16)	Bishop Heber College, Trichy	International Level	July 28 & 29, 2016	Paper Presentation
12.	2 nd World Congress on Computing and Communication Technologies (WCCCT'16)	St.Joseph's College, Trichy	International Level	Feb 3 & 4, 2017	Paper Presentation
13.	International Seminar on Cloud Journey to Industry	Dept. of Computer Science, Holy Cross College(Autonomous), Tiruchirappalli	International Seminar	July 14, 2017	Organizing Secretary & Participation
14.	Youth and Values	Department of Value Education, Holy Cross College(Autonomous), Tiruchirappalli.	National Conference	Dec, 2017	Participation
15.	Innovative Computing Technologies	Dept. of Computer Science, Holy Cross College (Autonomous), Trichy – 2.	National Seminar	Jan 8, 2018	Organizing Member & Participation
16.	Goodness of God and Nature	Holy Cross College (Autonomous), Trichy – 2.	The State Level Inter-Collegiate Competition and Seminar	Jan, 2018	Participation
17.	Data Science	Dept. of Computer Science, Holy Cross College (Autonomous), Trichy – 2.	National Seminar	Feb, 2018	Organizing Member & Participation
18.	Food Innovative Exhibition on Science & Technology (Organized by CICRSD Science Club)	Holy Cross College (Autonomous), Trichy – 2.	College Level	Feb 26 & 27, 2019	Organizing Member & Participation
19.	Networking, Research and Innovation in Higher Education for a Sustainable Society : Challenges and Channels	Holy Cross College (Autonomous), Trichy – 2.	International Conference	July 25, 26 & 27, 2018	Finance Committee

20.	Workshop on Artificial Intelligence and Deep Learning	Ramco Institute of Technology, Rajapalayam Conducted by Leading India.ai, Initiative by Bennett University, Noida.	National Level	Sep 14, 2018	Successfully cleared the Assessment Test and completed the Hands-on.
21.	One day Faculty Development Programme on Rapid Application Development using Python	Bishop Heber College (Autonomous), Trichy – 2.	State Level	Sep 22, 2018	Participation
22.	State Level Seminar on Data Analytics and Machine Learning	St.Joseph's College (Autonomous), Trichy -2.	State Level	Sep 13, 2019	Participation
23.	Two days State Level Technical Workshop on 'INTELLECTUAL PROPERTY RIGHTS'	Cauvery College for Women (Autonomous), Trichy – 2.	State Level	Sep 26 & 27, 2019	Participation
24.	National Conference on Issues and Challenges of Women Working in the Unorganized Sector of India	Holy Cross College (Autonomous), Trichy.	International	23 rd & 24 th Jan 2020	Presented
25.	National Seminar on "Internet of Things and its applications"	Department of Information Technology, St, Joseph College, Trichy.	National	24 th Jan 2020	Participated
26.	ICT Academy Bridge 2020 The High Impact Industry Institute Interaction Event of ASIA	IITM Research Park, Chennai.	International	26 th Feb 2020	Participated
27.	FDP on "Impact of Covid on higher education and research initiatives"	Sri Venkateshwaraa College Of Engineering & Technology, Pondicherry	Indian Society of Higher Education, New Delhi	24 th – 28 th May 2021	Participated
28.	AICTE Training & Learning ATAL Academy FDP on Augmented Reality and Virtual Reality	Gnanamani College of Technology	India Level	7 th – 11 th June 2021	Participated
29.	FDP on BLENDED AND INCLUSIVE STRATEGIES IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	PG and Research Department of Computer Science Holy Cross College Trichy	India Level	18 th – 22 nd Oct 2021	Participated
30.	FDP on AI on Business	Department of Data Science, St, Joseph College, Trichy.	India Level	11 th Jan 2022	Participated

31.	International Seminar on Advanced Computing 2022	PG and Research Department of Computer Science Jamal Mohammed College Trichy	International	10 th & 11 th Mar 2022	Participated
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WEBINAR/SEMINAR/ WORKSHOP/CONFERENCE/FDP ATTENDED AND PAPER PRESENTED: JUN 2020 –MAR 2021

S.No.	Seminar/Workshop/Conference with the Topic	Place and Duration
1.	Seed and Weed – Nurturing Relationships	Holy Cross College, Trichy 02.06.2020
2.	Combat the Pandemic Stress through Yoga	Holy Cross College, Trichy 21.06.2020
3.	Obesity and its role in Breast Cancer	Holy Cross College, Trichy 06.06.2020
4.	Python programming	Jamal Mohammed College, Trichy. 03.06.2020
5.	STRIDE Tutorial on Transdisciplinary Research	Holy Cross College, Trichy 11.06.2020
6.	Faculty Orientation Webinar on “ Risk Management in Times of Crisis”	Holy Cross College, Trichy 12.06.2020
7.	ICT Tools for the 21 st Century Teacher	Holy Cross College, Trichy 10.07.2020
8.	One week online International FDP on “Artificial Intelligence and IoT- Heuristic Transdisciplinary Perspectives”	Holy Cross College, Trichy 04.07.2020-10.07.2020
9	The Implications of the NEP 2020 for Higher Education and Role of Teachers	Holy Cross College, Trichy 25.08.2020

10.	Three Days International Workshop on Real Time Cognitive Services on Azure Cloud	Parathy’s Arts&Science College, Dindigul 10.06.2020&12.06.2020
11.	One day International Webinar on Data Analytics & Applications	Bishop Heber College, Trichy 12 .06. 2020
12.	Augmented Reality (AR) / Virtual Reality (VR)	Dr.Subhash Technical Campus 5 .06. 2020
13.	Cloud Computing	Crescent Institute of Science & Technology 12 .06. 2020
14.	Enterprise Resource Planning	Saradha Gangadharan College, Puducherry 23.06.2020
15.	Online Content Creation Tools	Bishop Heber College, Trichy 11.06.2020
16.	Deep Learning Insights	Loyola-ICAM College of Engineering and Technology, Chennai 12 .06.2020
17.	AI Agents and Environment	Shri Vishnu Engineering College for Women, Bhimavaram 03.06.2020
18.	Hands on Exposure in Moodle Learning Management System	Auxilium College, Vellore 08.06.2020-14.06.2020
19.	Obesity and its role in Breast cancer	Holy Cross College, Trichy 06.06.2020
20.	Social Innovation and Change Management	IIC 05.06.2020
21.	Nuances in Acting	Holy Cross College, Trichy 02.08.2020
22.	Writing a Research Proposal Beyond the Conventional Way	Holy Cross College - UGC Stride Component I 25.09.2020
23.	IPR, Copyright & Patenting	Holy Cross College – IIC 21.10.2020 & 22.10. 2020
24.	Addressing Challenges in Higher Education through the OBE mode	Holy Cross College – IQAC 04.01.2021

This section lists the papers presented, published and incorporated in this thesis by the research scholar in the national and international conferences and their proceedings.

11. G. ArockiaSahaya Sheela and Dr. A. Aloysius, “Analysis of Measuring the Complexity of Adviceusing a

Cognitive Approach”, **International Conference on Advanced Computing (ICAC 2015)**, December 3-4,2015.

12. G.ArockiaSahaya Sheela and Dr. A. Aloysius, “Statistical Analysis of Pointcut Complexity Metric using Cognitive Approach”, **International Conference on Computing, Communication and Information Science (ICCCIS’16)**, July 28-29,2016.

13. G. ArockiaSahaya Sheela and Dr. A. Aloysius, “Design and Analysis of Aspect Oriented Metric CWCoARusing Cognitive Approach”, **World Congress on Computing and CommunicationTechnologies**, DOI 10.1109/WCCCT.2016.54, December 2-4,2016.

14. G. ArockiaSahaya Sheela and Dr. A. Aloysius, “An Estimation of Measuring the Complexity of Advice using Fuzzy Logic Technique”, **National Seminar on Emerging Trends in ICT-Enabled Teaching Learning Process**, February, 2016.

Organizing Capability:

Sl. No.	Name of the Event	Role	Date
1	Advanced Computing & Communication Technologies	Organizing Member	2009
2	Emerging Trends in Communication and Information Technology	Organizing Member	2010
3	Web Engineering	Organizing Member	2010
3	International Seminar on Cloud Journey to Industry	Organizing Secretary	14 th July 2017
4	National Seminar on Innovative Computing Technologies	Organizing Member	8 th Jan 2018
5	National Seminar on Data Science	Organizing Member	Feb 2018
6	International Conference on Smart and Innovative Technologies – The Future of Digital India	Organizing Member	16 th & 17 th Mar 2020
7	Webinar on Unleashing Machine Learning and Cloud Computing – Inservice Programme – FDP – National Level	Organizing Secretary	9 th May 2020
8	Webinar on Data Science	Organized Secretary	11 th Sep 2020
9.	Online Elementary FDP on “Integrated Data Analytics – the Tools and Applications around Industry Verticals” AICTE & ATAL Sponsored	Organizing Member	July 5-9 2021
10.	International Seminar on “Research Areas in Data Analytics and Security”	Convenor	19 th December 2022

Memberships in academic bodies (Board of studies, Doctoral Committee Member)

1. Board of Studies.
2. YMCA Computer Coordinator (2012 –2018)

Other Honors / Achievements/ Responsibilities:

1. AICUF Coordinator (2011 –2017)
2. Coordinator of Computer Science Department - Shift II (2008-2009)
3. Assistant Secretary for Shift II (2011-2012)
4. Secretary for Shift II (2012-2013)

5. Qualified SET (FEB 2016)
6. AICTE Incharge for MCA (2018 – Till date)
7. PMKVY Technical Incharge (2018-2019)
8. Completed Ph.D. (MAY 2019)
9. Crossian Institute for Collaborative Research on Sustainable Development (CICIRSD) – Science Club Member (March 2019 – August 2022)
10. 23 Citations in Google Scholar Page.
11. STRIDE MEMBER in HCC (January 2020 – Till date)
12. HEAD in DATA SCIENCE Department (July 2021 – Till date)

Residential Address: Flat 5, MAM Plaza,
No.58 A, Officer's Colony,
Puthur, Trichy.
Pincode: 620 017

Mobile: 9842452595

Email – ID: gsr_sheeba@yahoo.co.in , trinitaelvis@gmail.com