RESUME

Dr. S. BRITTO RAMESH KUMAR, M.C.A., M.Phil., Ph.D.,

Associate Professor & Head,

Director, AICTE Programmes,

Department of Computer Science,

St.Joseph's College (Autonomous),

Tiruchirappalli – 620 002. Tamilnadu, India

Mobile: +91-9894058416

Phone: 91-431-2412755 (Res.) / 91-431-4226392, 4226436 (Int.Com.6392) (Off.)

E-mail: brittorameshkumar_cs1@mail.sjctni.edu, brittork@gmail.com

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Career Objectives

❖ To establish myself as a **dynamic and dedicated Professor and Researcher** in the field of Computer Science and Applications, contributing meaningfully to **academic, scientific and societal advancement**.

❖ To leverage my **expertise in research, teaching, and academic administration** to foster **innovation**, advance **knowledge**, and support the **holistic growth of educational institutions and the broader community**.

❖ To guide and **support aspiring researchers in achieving academic and professional success**.

Educational Qualifications

June 2011
Doctorate of Philosophy in Computer Science
Bharathidasan University, Tiruchirappalli.

2003-2004
Master of Philosophy in Computer Science
Distinction with First Class
Bharathidasan University, Tiruchirappalli.

1997-2000
Master of Computer Applications
First Class
Madurai Kamaraj University, Madurai.

Institutional & Department Responsibilities

- **Director-AICTE Programmes (BBA, BCA & MCA)**, St.Joseph's College, Trichy, November 2024 - Present.

- **Secretary, Alumni/ae Association**, St.Joseph's College, Trichy, June 2023 - Present.

- **Member, MQAC,** Dept. of Computer Science, St. Joseph's College, Trichy, 2023-2024.

- **Member, Dodransbicentennial Celebrations Organising Team**, St.Joseph's College, Trichy, 2018-2019.

- **Member** in **Editorial Team** for the **175th Year College Souvenir**, St.Joseph's College, Trichy, 2018-2019.

- **Coordinator** for **M.Phil. Programme,** Department of Computer Science, St. Joseph's College, Trichy, 2017-2018.

- **Member** in **Enterprise Resource Planning (ERP)** Development Team, St.Joseph's College, Trichy, 2016-2017.

- **Assistant Coordinator** for **Software Development,** JCICT, St. Joseph's College, Trichy, 2016-2017.

- **Coordinator** in Computer Science department for the **DBT, STAR Scheme**, St.Joseph's College, Trichy, 2014-2016.

- **Founder cum Resident-Editor-in-Chief** - International Journal of Emerging Trends in Computing and Communication Technology (IJETCCT), St.Joseph's College, Trichy, 2014.

- **Member** in **Kalvari Nayagan** Organising Team, St.Joseph's College, Trichy, 2013-2023.

- **Coordinator, Research Activities,** Department of Computer Science, St. Joseph's College, Trichy, 2012 - Present.

- **Visiting Professor** in **Software Engineering, Swiss Universal Higher Educational Institute, Switzerland** from March 2014.

- Appointed as **Associate Dean for Research & Development** for the year of 2012-2014, Bishop Heber College, Trichy.

- **Assistant Coordinator** – **Indira Gandhi National Open University**, SC: 2504, Bishop Heber College, Trichy.

- **Founder cum Editor-in-Chief** - International Journal of Computing Technology and Information Security (IJCTIS), Bishop Heber College, Trichy.

- **Member** in Internal Quality Assurance Cell, Bishop Heber College, Trichy.

- **Member** in Function Committee, Bishop Heber College, Trichy.

Teaching Experience

June 2012 – Present	**Associate Professor & Head,**
	Department of Computer Science,
	St. Joseph's College (Autonomous), Tiruchirappalli – 620 002,
	Tamil Nadu, India
	Website: https://shorturl.at/5IBTz
July 2001 – June 2012	**Assistant Professor,**
	Department of Computer Applications,
	Bishop Heber College (Autonomous), Tiruchirappalli – 620 017,
	Tamil Nadu, India.
	Website: www.bhc.edu.in

Ph.D. & M.Phil., Guided

- Completed **12** and Guiding **4** Ph.D. Research Scholars under the Bharathidasan Univeristy, Tiruchirappalli-24.
- Guided **17** M.Phil. Research Scholars.

S. NO	NAME OF THE SCHOLAR	REFERENCE NUMBER	FT/ PT	TITLE OF THESIS	VIVA DATE
1.	Dr. M. KASTURI	08944/PH.D./COMP.SCI./PT/APRIL 2012	PT	AN APPROACH FOR STEMMING IN INFORMATION RETRIEVAL SYSTEMS	06.06.2017
2.	Dr. P. MEENAKSHI SUNDARI	08943/PH.D./COMP.SCI./PT/APRIL 2012	PT	AN APPROACH FOR ANALYZING THE FACTORS RECORDED IN THE TREE RINGS USING IMAGE PROCESSING TECHNIQUES	08.11.2017
3.	Dr. S. THIRAVIYA REGINA RAJAM	18982/PH.D./COMP.SCI./FT/JULY 2012	FT	A SECURITY FRAMEWORK FOR SOCIAL NETWORKING SERVICES	02.02.2018
4.	Dr. I. CAROL	34505/PH.D./COMP.SCI./FULL TIME/OCT 2012	FT	AN APPROACH FOR CONFLICT IDENTIFICATION AND RESOLUTION IN HETEROGENEOUS DATASETS	03.04.2018
5.	Dr. P.JOSEPH CHARLES	19098/PH.D./COMP.SCI./PART TIME/JULY 2012	PT	SECURITY FRAMEWORK FOR CONTEXT AWARE MOBILE WEB SERVICES	11.09.2018
6.	Dr.A. ANGEL PREETHI	004433/PH.D/K10/CSE/0087	PT	DICTIONARY BASED APPROACH FOR IMPROVING THE ACCURACY OF OPINION MINING ON BIG DATA	30.07.2020
7.	Dr. GEORGE GABRIEL RICHARD ROY	34506/PH.D/K10/CSE/0123	PT	A SECURITY FRAMEWORK FOR A SUSTAINABLE SMART HOME ECOSYSTEM USING PERMISSIONED BLOCKCHAIN	24.12.2020

8.	Dr. B. REX CYRIL	47398/PH.D/K10/CSE/2047398	PT	METHODOLOGIES FOR ENSURING DATA CONFIDENTIALITY IN PUBLIC CLOUD STORAGE	30.03.2021
9.	Dr. A BEATRICE DOROTHY	7265/PH.D/COM.SCI./F.T/APRIL 2016	FT	MULTI-LEVEL SECURITY ARCHITECTURE FOR IOT DATA USING QUANTUM CRYPTOGRAPHY	07.05.2021
10.	Dr. J. ANTONY JOHN PRABU	47397/PH.D/COM.SCI./PT/JAN.2013	PT	AN INTEGRATED ARCHITECTURE FOR SECURED CLOUD DATA TRANSACTIONS WITH CONSISTENCY ENHANCEMENTS	23.07.2021
11.	Dr. J.VIMAL ROSY	29338/PH.D.K3/COMP.SCI./P.T./OCT.2016	PT	A MACHINE LEARNING APPROACH FOR INTRUSION DETECTION IN CLOUD ENVIRONMENT	13.09.2023
12.	Dr. A. BHUVANESHWARI	003769/PH.D. K10/COMPUTER SCIENCE/FULL-TIME/MAY 2019	FT	IMPROVING THE ACCURACY OF EDGE DETECTION IN MRI BRAIN TUMOR IMAGES USING CONVOLUTIONAL NEURAL NETWORK (CNN)	22.12.2023
13	Dr. A. SAGAYA PRIYA	40397/PH.D. K10/COMP.SCI./FT/JAN 2017	FT	ENHANCED INTRUSION ETECTION MODELS FOR HANDLING DATA IMBALANCE AND NOISE PROBLEMS USING ENSEMBLE METHODS	08.05.2025

Curriculum Development

Designed the **syllabus** for the following courses:

- Digital Computer Architecture
- Computer Networks and Security
- Operating System
- Big Data Analytics
- Database Systems
- Web Design (including lab manual)
- Multimedia (including lab manual)
- E-Commerce
- Fundamentals of Information Technology
- Internet Technology
- Software Engineering
- Organizational Behaviour
- Management Information Systems
- Mobile Computing
- Green Computing for M.Tech. programme.
- Management Information System for M.B.A.

- Developed **Course Material** for "**Data Structures and Algorithms**", Centre for Distance Education, Bharathidasan University, Tiruchirappalli.

Academic Contributions

- **Subject Expert** in Board of Studies (BoS) for B.Sc. Comp. Science (2025-2027), **Sacred Heart College, Tirupattur.**
- **Subject Expert** in Board of Studies (BoS) for M.Sc. Data Science (2024-2026), **Fatima College, Madurai.**
- **Subject Expert** in Board of Studies (BoS) for Computer Science (2024-2026), **Fatima College, Madurai.**
- **Subject Expert** in Board of Studies (BoS) for B.C.A. (2020-2023), **N.G.M. College, Pollachi.**
- **Member** in Board of Studies (BoS) for B.C.A., **N.G.M. College, Pollachi,** 2018-2019.
- **Academic Member** in Board of Studies (BoS) for B.Sc. (Software), **Alagappa University, Karaikudi,** 2017-2020.
- **Academic Member** in Board of Studies (BoS) for B.Com. (CA), **Lady Doak College, Madurai**, 2017-2019.
- **Member** in General Test Committee for M.Tech., **VIT University, Vellore**, 2016-2017.
- **Member** in Board of Studies (BoS) for BCA, **Bishop Heber College, Trichy**, 2015-2017.
- **Academic Member** in Board of Studies (BoS) for IT, **JJ College of Arts and Science, Pudukkottai**, 2015-2016.
- **Chairman** for QP Setting and Scrutinizing for various Boards, **Alagappa University, Karaikudi** from 2013 onwards**.**
- **University Nominee** in Board of Studies (BoS) for BCA, **N.G.M. College, Pollachi,** 2012-2015.
- **University Nominee** for approving the M.Tech. Results, **Bharathidasan University, Trichy**.
- **Assistant Coordinator** for **Indira Gandhi National Open University (IGNOU)** for the Study Centre 2504 from 2006 to 2012.
- **Regional Coordinator Chair - Asia Pacific** for **Semantic E-Business and Enterprise Computing (SEEC)** Conferences.

- **Course In-charge** **for the programme "Information Technology"** for two years (2002-2004)**,** which is taken by 120 students per semester.

- **Coordinator** **for Hardware and Software Exhibition "Explore'03",** the strength of the participants were 800 students.

- **Coordinator** **for Hardware and Software Exhibition "Explore'04",** the strength of the participants were crossed more than 1000 students.

- **Staff Advisor** **for Information Technology Association for two years** (2002– 04).

- **Additional Chief Superintendent** **for CDE Exams of Bharathidasan University** from 2001 onwards.

- **Additional Chief for Government Entrance Examinations** (TNPSC, TNPCEE) and Bank Exams, Bishop Heber College Centre.

Research Contributions

- **Research Areas** are Software Architecture, Mobile Applications and Services, Web Services and Mobile Web Technology and Information Security.

- **Research Credentials:** Citations : **641** H-index (Google Scholar) : **12** i10 index: **15**

- **Member** in Organizing Team for an **International Conference on the Impact of Disruptive Technologies (ICIDT)**, Trichy 2023.

- **Organizing Chair** for an International conference on "**World Congress on Computing and Communication Technologies (WCCCT)**" in collaboration with **IEEE**, 2014 & 2016.

- **Founder and Resident-Editor-in-Chief** for the Journal namely "**International Journal of Emerging Trends in Computing and Communication Technologies [IJETCCT]**" published by Josephite Publications, St. Joseph's College, Trichy, 2014.

- **Principal Investigator** for **Minor Research Project** under the title "**Development of Intelligent Algorithms for Analysis Remotely Sensed Tree Ring Data using Enhanced Image Processing Techniques**" funded by University Grants Commission, Hyderabad for the amount of Rs.1,00,000/= from 2014-16.

- **Program Committee Member** for "**International Conference on Database and Data Mining (DBDM'14)**", Dubai, UAE, 4-5th April, 2014.

- **Consultant for R & D, Amala Jyothi College of Engineering,** Kerala, 2008-2010.

- **Founder and Editor-in-Chief** for the International Journal namely "**International Journal of Computing Technology and Information Security (IJCTIS)**" published by Heber Publications, 2010.

- **Associate Editor** for SEEC'09 Conference Proceedings.

- **Conference Local Chair and Member** for International conference on "**Semantic E-Business and Enterprise Computing (SEEC)**" in collaboration with **Kingston University, UK,** 2010.

- **Member** for International Journal of Information Processing and Management (**IJIPM**), Journal of Convergence Information Technology (**JCIT**), Journal of Algorithms & Computational Technology (**JACT**), Journal of Next Generation Information Technology (**JNIT**)

- **Journal Referee** for **Elsevier**-Electronic Commerce Research and Applications (**ECRA**) and **ISTPress**.

- **Editor** for Journal of Digital Content Technology and its Applications (**JDCTA**)

- **Program Committee Member** for "International Conference on Software and Computer Applications (**ICSCA'11**).

- **Member of Advisory Committee** for **NWRTCS** – 2011

- **Ambassador** of Corporate Bridge for Tamilnadu region.

- **Member of Editorial Board** for **International Association of Science & Engineering Congress** (**SCICON**).

- **Member of Technical Committee** for the **2012 International Conference on Software and Computer Applications** (**ICSCA 2012**), **Singapore**.

- **Reviewer** for **The Scientific World Journal,** Hindawi Publishing Corporation.

- **Principal Investigator** for **Minor Research Project** under the title "**Software Architecture for Bio-Medical Applications**" funded by Bishop Heber College Management for the amount of Rs.90,000/=

- **Thesis for Doctor of Philosophy** "**An Architecture for Secure Mobile Payment System using Public Key Infrastructure**".

Awards Received

- **Award for Best Young Research Supervisor** by Chennai Softech, Chennai on 5th Nov. 2022.

- **Outstanding Scientist Award** by VDGOOD Professional Association, Coimbatore, on 11th September 2021.

- **Bharat Ratna Mother Teresa Gold Medal Award 2018** by GEPRA, Chennai on 22nd December 2018.
- **Achiever Award for 2011** has been conferred by Samugapani Mandram, Madurai.
- **Best Researcher Award for 2008** by Bishop Heber College, Tiruchirappalli.

Acted as Resource Persons

- Seminar on **"Enterprise Cloud Protection: Threats and Defense"** at **Madonna Arts and Science College for Women, Madura,** Tiruchirappalli on 6th March 2025.
- Seminar on **"Pioneering Breakthrough in Computer Science"** at **Pavendar Bharathidasan College of Arts and Science,** Tiruchirappalli on 3rd March 2025.
- **Session Chair**, **International Conference on Intelligent Computing Systems** (ICICS), **Bishop Heber College**, 25th February 2025.
- **Session Chair**, 2nd **International Virtual Conference on Intelligent and Computing Systems** (ICICS), **Bishop Heber College**, 30th March 2022.
- Chief Guest address and Special Talk on **"Emerging Technology Innovations in Computer Science"** during **State Level Symposium and IT Meet – InnovIT'20** at **Shanmuga Industries Arts and Science College,** Tiruvannamalai on 21st February 2020.
- Invited Talk on **"Data Communications and Networking"** at **Annai College,** Kumbakonam on 12th July 2018.
- Special Lecture on **"Service Computing"** during **Silver Jubilee Endowment Lecture** at **Fatima College (Autonomous),** Madurai on 1st March 2018.
- Special Lecture on **"What the Software Industry Expects & How to achieve them to get the Job"** at **Govt. Arts College, Thuvakudi,** Tiruchirappalli on 22nd March 2017.
- Invited Talk on **"Web Services and Security"** at **Jamal Mohamed College (Autonomous),** Tiruchirappalli on 4th March 2017.
- Special Talk on **"Recent Trends in IT"** during **Inter-College Meet** at **J.J. College of Arts and Science,** Pudukottai on 29th August 2016.
- **Interactive Session on "Security for Computer and Android Applications"** at **All India Radio,** Trichy on 2nd July 2015.
- Special Lecture on **"Web Services"** during **SPECTRA Association** at **Theivanai Ammal College for Women (Autonomous),** Villupuram on 12th September 2014.

- Guest Lecture on **"Web Services"** at **AICTE Sponsored National seminar on "Pervasive Computing Technologies",** organized by **Kings College of Engineering**, Pudukkottai on 25th April 2013.

- Special Lecture on **"Network Security and Cryptography"** at **Theivanai Ammal College for Women (Autonomous),** Villupuram on 23rd January 2013.

- **Interactive Session on "Cell Pesi Vazhi Vaanigam"** at **All India Radio,** Trichy on 13th December 2012.

- **Interactive Session on "Min Kazhivugal"** at **All India Radio,** Trichy on 22nd November 2012.

- Key note on **"Enterprise Cloud Security Services"** at **Cloud Computing and Service Engineering (CLUSE'12),** organized by ISEEC, Cognizant, Kingston University and **Raja Rajeswari College of Engineering**, **Bangaluru** on 13th April 2012.

- Special Talk on **"Project Development and Paper Presentation" at One Day Seminar, organized** by **Holy Cross College**, Tiruchirappalli on November 2011.

- Special Lecture on **"Information and Cyber Security", conducted by** Chemistry Association, **Holy Cross College**, Tiruchirappalli on August, 2011.

- Inaugural Address on "**Information Security**" at IT Association Inauguration, **St.Joseph's College**, Tiruchirappalli on July 2011.

- Keynote Speaker for an International Conference on "**Semantic E-Business and Enterprise Computing**" organized by **Kingston University** and **Cognizant, London, UK** on July 2011.

- Presentation on **Security for Mobile Payments** in *ICCIT 2009 ACM conference* at **Seoul, South Korea.**

- Presentation on **Mobile Payment Consortia System** in *CSSE 2008 IEEE conference* at **Wuhan, China.**

Conferences/Workshops Organized

- **Organizing Member** for "**International Conference on the Impact of Disruptive Technologies (ICIDT)**" from 8th to 9th January 2024 at St. Joseph's College, Trichirappalli. The conference papers are published in **ISBN book**.

- **Organizing Chair** for "**2nd World Congress on Computing and Communication Technologies**" from 6th to 8th December 2016 at St.Joseph's College, Trichirappalli. The conference papers are published in **IEEE** and indexed by **SCOPUS**.

- **Organizing Chair** for "**World Congress on Computing and Communication Technologies**" from 27th February to 1st March 2014 at St.Joseph's College, Trichirappalli. The conference papers are published in **IEEE** and indexed by **SCOPUS**.
  - **The conference was inaugurated by His Excellency DR.A.P.J.ABDUL KALAM.**
- **Organizing Secretary** for **One Day State-level Workshop** on "**Smart Devices Programming Using Android (WSDPA)**" at St.Joseph's College, Trichy on 8th December 2012.
- **Local Organizing Chair** for the "**International Conference on Semantic E-Business and Enterprise Computing (SEEC'09)**" from November 4-6, 2009 at Bishop Heber College, Trichirappalli in collaboration **with Kingston University, London, UK**.

Patents

- **Smart Computing Device for Improving Accuracy and Prediction of MRI Brain**, DoI: 31.12.2024.
- **Internet of Things (IoT) enabled Artificial Intelligence-based Electrical Power Theft Detection and Prevention System,** DoI: 17.06.2022.
- **Machine Learning Approach for Intrusion Detection on Cloud Environment**, DoI: 15.07.2022
- **IoT based Children's Monitoring and Live Tracking System using AI and ML,** DoA: 06.03.2024, DoI: 15.03.2024.

Publications

Book Publications

- "**Java Programming**" by S. Britto Ramesh Kumar, J. Vimal Rosy, P. Hemalatha and Rajeswari Chellathurai, Charulatha Publications, May 2024. [ISBN-13: 978-93-6260-038-7]
- "**Impact of Disruptive Technologies**", Conference Proceedings of ICIDT, by Dr. S. Britto Ramesh Kumar and Dr. D. Ravindran, St. Joseph's College, Trichy, 2024. [ISBN: 935891415-7]

- "**A Beginning to Data Science with Python**", S.Britto Ramesh Kumar and K. Vani, Orange Books Publication, 2023 [ISBN: 978-93-5621-645]

- "**Cloud Computing**" by S. Britto Ramesh Kumar and J. Vimal Rosy, Charulatha Publications, 2023. [ISBN: 978-93-5577-371]

- **"Novel Hybrid Technique Enhancing Data Privacy and Security",** Book Chapter, Computer, Communication, and Signal Processing, Springer Cham, Switzerland by S. Britto Ramesh Kumar, Y. Sunil Raj, A. Arun Gnanaraj and Dr. S. Albert Rabara, **Springer Nature, Switzerland**, 2022. [978-3-031-11633]

- "**Click'r**" by S.Britto Ramesh Kumar and M.Kasthuri, 9th Standard, Based on CCE Scheme, Maria Publishers Pvt. Ltd., Tiruchirappalli, Tamilnadu, 2014.

- **"An Architecture for Secure Mobile Payment System using PKI"** by S.Britto Ramesh Kumar and S.Albert Rabara, LAP Lambert Academic Publishing, Germany, 2013. [ISBN: 978-3-659-34542-5].

- "**Click'r**" by S.Britto Ramesh Kumar and M.Kasthuri, 4th Standard, Based on CCE Scheme, Maria Publishers Pvt. Ltd., Tiruchirappalli, Tamilnadu, 2013.

- "**Click'r**" by S.Britto Ramesh Kumar and M.Kasthuri, 8th Standard, Based on CCE Scheme, Maria Publishers Pvt. Ltd., Tiruchirappalli, Tamilnadu, 2013.

- **"Classic Data Structures and Algorithms"** by S.Britto Ramesh Kumar and J.James Manoharan, First Edition, Heber Publications, India, 2010. [ISBN: 978-93-80767-13-0].

- **Course Material** developed for **"Data Structures and Algorithms"**, Chapter I, IV and V, **Bharathidasan University**, Tiruchirappalli, **India.**

International/National Journal Publications

- K. Vani and Dr. S. Britto Ramesh Kumar, "**Machine Learning Techniques For Effective Cloud Anomaly Detection -A Comprehensive Review**", International Journal of Fuzzy Systems and Soft Computing, Vol: 19, Issue 02, Page No.42-52, December 2024. ISSN: 1819-4362.

- K. Vani and Dr. S. Britto Ramesh Kumar, "**Viability Assessment about Applicability of Machine Learning in Cloud Anomaly Detection**", Journal of Computational Analysis

and Applications (JoCAAA), Vol:33, Issue 7, Page No.1396 -1413, September 2024. ISSN: 1521-1398.

- A. Sagaya Priya and Dr. S. Britto Ramesh Kumar, "**Transmission Deviation–based Windowed Training for Intrusion Detection on Streaming Data**", International Journal of Computer Trends and Technology, Vol.72, Issue 1, Page No. 40-47, 2024, ISSN: 2231-2803.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**Intrusion Detection System Using Ensemble Learning Approaches",** International Journal of Advanced Research in Computer and Communication Engineering, Vol.12, Issue 7, pp.362-366, July 2023, ISSN: 2278-1021.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**A Feature Selection Method using FSPSO",** International Journal of Advanced Research in Computer and Communication Engineering, Vol.12, Issue 7, pp.115-122, July 2023, ISSN: 2278-1021.

- S.Britto Ramesh Kumar and M. Merla Agnes Mary, "**Prediction of Rhabdomyosarcoma using Transfer Learning on Pathology and Radiology Images**", International Journal of Advanced Research in Computer and Communication Engineering, Vol.11, Issue 8, pp.161-167, 2022, ISSN: 2278-1021.

- A. Bhuvaneshwari and Dr. S. Britto Ramesh Kumar**,** "**Domain Specific ANN Heuristic Edge Detection Algorithm for CNN based MRI Classification [DAHEDA]",** Journal of Algebraic Statistic, Vol.13, Page No.447-457, 2022, ISSN: 1309-3452.

- A. Bhuvaneshwari and Dr. S. Britto Ramesh Kumar, "**An Efficient Britwari Technique to Enhance Canny Edge Detection Algorithm using Deep Learning",** ICTACT Journal of Soft Computing, Vol.12, Page No. 2636-2639, 2022, ISSN: 2229-6956.

- A. Bhuvaneshwari and Dr. S. Britto Ramesh Kumar, "**A Comparative Study on various Edge Detection methods using Deep Learning**", Journal of Fundamental & Comparative Research, Vol.8, Page No. 1-8, 2022,ISSN: 2277-7067.

- A. Bhuvaneshwari and Dr. S. Britto Ramesh Kumar, "**A Comparative Study and Survey on Different Types of Methods in Edge Detection Algorithms**", International Advanced Research Journal in Science, Engineering and Technology, Vol.9, Page No. 148-150, 2022, ISSN: 2393-802.

- A. Sagaya Priya and Dr. S. Britto Ramesh Kumar, "**Semi-Supervised Intrusion Detection based on Stacking and Feature Engineering to handle Data Imbalnce**",

Indian Journal of Science and Technology, Vol.15, Issue 46, Page No. 2548-2554, Dec 2022, ISSN: 0974-5645.

- A. Sagaya Priya and Dr. S. Britto Ramesh Kumar, "**Sampling Integrated Boosting Classifier for Network Intrusion Detection**", International Research Journal of Education and Technology, Vol.4, Issue 12, Page No. 313-321, Dec 2022, ISSN: 2581-7795.

- A. Sagaya Priya and Dr. S. Britto Ramesh Kumar, "**Intrusion Detection using Attribute Subset Selector Bagging (ASUB) to Handle Imbalance and Noise**", IJCSNS International Journal of Computer Science and Network Security, Vol.22, Issue 5, Page No. 97-102, May 2022, ISSN: 1738-7906.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**SC-CVAR: Intrusion Detection Using Feature Selection and Machine Learning Techniques on UNSW-NB15 Dataset**", IJCSNS International Journal of Computer Science and Network, Vol.22, 2022, ISSN: 1738-7906.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**Sine Cosine Optimization Algorithm for Feature Selection**", Journal of Fundamental & Comparative Research , Vol.8, 2022, ISSN: 2277-7067.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**An Effective Way of Cloud Intrusion Detection System Using Decision tree**", Neuro Quantology, Vol.20, 2022, ISSN: 1303-5150.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**Machine Learning Algorithm using AR for Intrusion detection system**", IARJSET, Vol.9, Issue 5, May 2022, ISSN (Online): 2393-802 ISSN (Print): 2394-158.

- J. Vimal Rosy and Dr. S. Britto Ramesh Kumar, "**OSS- RF: Intrusion Detection**" using **optimized Sine swarm based random forest classifier on UNSW-Nb 15 dataset**", International Journal of Technical & physical problems of Engineering (IJTPE) 2022 (Scopus indexed).

- J. Vimal Rosy and Dr.S. Britto Ramesh Kumar, **"Intrusion detection on Cloud Computing**", International journal of Advanced Research in Computer and communication Engineering, ISSN (O): 2278-1021, ISSN (P): 2319-5940, Volume 11, Issue 4, April 2022.

- A. Bhuvaneshwari and Dr. S. Britto Ramesh Kumar, "**An Enhancing Canny Edge Detection using SUSAN Filter based on Deep Learning Algorithm for improved image Edge Detection**", Webology, Page No: 4367-4375, 2021, ISSN : 1735-188X)

- J. Vimal Rosy and Dr.S. Britto Ramesh Kumar, "**Intrusion Detection on the UNSW-NB15 dataset using Feature Selection and Machine Learning Techniques**", Webology ISSN 1735-188X , Volume 18, No.6, December 2021. (Scopus Indexed).

- J. Vimal Rosy and Dr.S. Britto Ramesh Kumar, "**Optimized Encryption based Elliptical curve improved Elliptic Curve –Diffie Hellman Approach for secure heart disease prediction**" , International journal of Advanced Technology and Engineering Exploration, Vol 8(83), ISSN:2394-7454. October 2021 (Scopus indexed).

- S.Britto Ramesh Kumar and B. Rex Cyril, "**Text Based Encryption(TBEnc) Technique to Secure Data in Cloud Storage**", International Journal Of Shanghai Jiatong University, Vol. 16,Issue(10), pp. 403-430, 2020.

- A. Angelpreethi, P.Kiruthika, and Dr.S.Britto Ramesh Kumar, "**Application of preprocessing techniques on student opinions to purge noisy data using machine learning algorithms**" The International Journal of Analytical and Experimental model analysis, Volume 8, Issue 5, pp: 1-5, March 2020

- S. Britto Ramesh Kumar and A. Beatrice Dorothy, "**Enhancing Channel Security By Error Detection And Correction During Quantum Key Distribution Using Hamming Code With Modified Elgamal**", International Journal Of Scientific & Technology Research, Vol.8(12), pp. 3428-3432, 2019.

- S. Britto Ramesh Kumar and A. Beatrice Dorothy, "**An Approach For IoT Security Using Quantum Key Distribution**", International Journal Of Scientific & Technology Research, Vol.8(8), pp. 1569-1574, 2019.

- S. Britto Ramesh Kumar and I. Carol, "**Security Framework for Context Aware Mobile Web Services**", Springer Lecture Notes on Data Engineering and Communication Technologies, Vol.26. pp. 968-972, 2019.

- S. Britto Ramesh Kumar and A. Beatrice Dorothy, "**DORBRI: An Architecture for the DoD Security Breaches Through Quantum IoT**", Springer Lecture Notes on Data Engineering and Communication Technologies, Vol.26, pp.491-496, 2019.

- S.Britto Ramesh Kumar and J. Vimal Rosy, "**Security Threats in Cloud Computing**", Asian Journal of Computer Science and Technology, Vol. 8, pp.80-83, 2019.

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- S.Britto Ramesh Kumar and I. Carol, "***Challenging Issues in Web Mining***", In: Proceedings of the *International Conference on Cloud Computing and Service Engineering (CLUSE'13)*, Kerala, 18th – 20th December 2013.

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- S.Britto Ramesh Kumar, and R.Dhanapal, "***Enrollment of e-girls***", *First Annual Conference on Women in Information Technology (WIT'02)*, Annamalai University, Chidambaram, Tamil Nadu, India.

National Conference Proceedings

- S.Britto Ramesh Kumar and J. Vimal Rosy, "*A Study on Machine Learning and Python's Framework*", National Conference on Machine Learning and Artificial Intelligence, pp.343-349, on 4th August 2023 at Thiruthangal Nadar College, Chennai.

- S.Britto Ramesh Kumar and J. Vimal Rosy, "*Cloud Computing Data Security using Hybrid*", National Conference, Guru Nanak College, Chennai, 3rd Feb 2018.

- S.Britto Ramesh Kumar and S.Theraviya Regina Rajam, "*Security Challenges for Online Social Network: Models & Mechanism*", National Conference on Information Technology & Computer Security (NCIT&CS), July 2014.

- S.Britto Ramesh Kumar and M.Kasthuri, "**A Novel Approach for Phonetic Based Stem Generation Using Edit Distance and Longest Common Subsequences**", *National Conference on Information Technology for Sustainable Future (NCITSF'14)*, 09th May 2014.

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- S.Britto Ramesh Kumar and Vinod Pradeep, "*E-Governance @ 2020*", *National Conference on Middleware Technologies (MET'07)*, Vinayaka Mission's University, Salem, Tamil Nadu, 5th April 2007.

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- S.Britto Ramesh Kumar and K.Vani, "*Impact of ATM in and around Trichirappalli*", *National Seminar on Cyber Impact on Society*, Sponsored by UGC, Tiruchirappalli, Tamilnadu, 11-12th February 2004.

International/National Conferences / Seminars / Workshops Organized / Attended:

Title	Type	Organization Name	Place	Days	From Date	To Date
Utilising AI for Effective and Personal Growth	W	Scrollwell	Noida	5	2025-03-01	2025-03-05
International Conference on the Impact of Disruptive Technologies	I	St. Joseph`s College	Tiruchirappalli	2	2024-01-08	2024-01-09
FDP on Patents and Consultancy	O	St. Joseph`s College	Tiruchirappalli	1	2023-11-20	2023-11-20
FDP on Intricacies of Writing for Research Publications and Projects	O	St. Joseph`s College	Tiruchirappalli	1	2023-10-27	2023-10-27
Orientation Programme for the Teaching Faculty	O	St. Joseph`s College	Tiruchirappalli	2	2023-06-15	2023-06-16
Refresher Course in Computer Science	R	Ramanujan College, Delhi. (FDP_269)	Online	14	2023-03-13	2023-03-27
In-Service Teacher Training Program	R	TANSCHE & Government Arts College	Karur	2	2022-05-05	2022-05-06
Uploading the Course Content on LMS	W	St. Joseph`s College	-	1	2022-04-20	2022-04-20
Developing online courses in LMS	W	St. Joseph`s College	Trichy	2	2021-11-22	2021-11-23
Refresher Course on Computer Science and Applications	R	Bharathidasan University, Tiruchirappalli	Trichy	14	2021-09-22	2021-10-05
Virtual Teaching Environment	S	Idhaya College for Women, Sivagangai	Sivagangai	1	2020-07-24	2020-07-24
Business Intelligence and Analytics	S	Francis Xavier Engineering College, Tirunelveli	Tirunelveli	1	2020-07-22	2020-07-22
Real time Applications in Cloud and Fog Computing	S	Francis Xavier Engineering College, Tirunelveli	Tirunelveli	1	2020-07-20	2020-07-20
Cloud Computing	S	Chikkanna Government College, Tiruppur	Tiruppur	1	2020-07-20	2020-07-20
Contemporary Trends in Information Technology	S	JJ College of Arts and Science, Pudukottai	Pudukottai	1	2020-07-19	2020-07-19
Webinar on Cyber Security Challenges during Covid-19	S	Francis Xavier Engineering College, Tirunelveli	Tirunelveli	1	2020-07-18	2020-07-18
Webinar on Cyber Security	S	PSG Institute of Technology and Applied Research with CSI, Coimbatore	Coimbatore	3	2020-07-18	2020-07-20
Webinar on Quantum Computing and its applications	S	Francis Xavier Engineering College, Tirunelveli	Tirunelveli	1	2020-07-13	2020-07-13
Webinar on Internet of Things (IoT), Robatics and Data Science	S	PSG Institute of Technology and Applied Research	Coimbatore	3	2020-07-10	2020-07-12

		with CSI, Coimbatore				
Webinar on Block Chain Technology	S	Palanisamy College of Arts, Perundurai	Perundurai	1	2020-07-10	2020-07-10
Inclusive Procedures and Processes in Assessment and Accreditation by NAAC	W	St. Joseph`s College	Trichy	5	2020-06-30	2020-07-04
National Webinar on Latest Trends in Information Technology	S	JJ College of Arts and Science, Pudukottai	Pudukottai	1	2020-06-13	2020-06-13
Webinar on Containerization	S	Seethalakshmi Ramasamy College, Tiruchirappalli	Trichy	1	2020-06-12	2020-06-12
A Webinar on Image Processing Techniques Using MATLAB	S	JJ College of Arts and Science, Pudukottai	Pudukottai	1	2020-05-28	2020-05-28
International Webinar on Recent Trends in Information Technology 2020	I	JJ College of Arts and Science, Pudukottai	Pudukottai	1	2020-05-24	2020-05-24
Webinar - Basics of Quantum Computing	S	Agurchand Manmull Jain College, Chennai	Chennai	1	2020-05-22	2020-05-22
Webinar - Joy of Python	S	Shri Shankarlal Sundarbai Shasun Jain College for Women, Chennai	Chennai	1	2020-05-18	2020-05-18
International Webinar on Futuristic Information and Communication Technologies	I	Computer Society of India -Jaipur Chapter	Jaipur	1	2020-05-10	2020-05-10
Webinar - Turnitin Online on campus	S	Guru Nanak Institute of Management Studies, Mumbai	Mumbai	1	2020-05-04	2020-05-04
Webinar - Effective Presentation Skills-Using ICT Tools	S	Knowledge Publications and Chemtoons YouTube Channel	-	1	2020-04-26	2020-04-26
Webinar on Recent Trends in Computer Science	Z	St. Joseph`s College	Trichy	2	2020-04-24	2020-04-25
Refresher Course on Computer Applications & Information Technology	O	Madras University	Madras	21	2018-11-09	2018-11-09
2nd World Congress on Computing and Communication Technologies - WCCCT 2016	C	St.Joseph`s College	Tiruchirappalli	3	2017-02-02	2017-02-02
National Level Workshop on Big Data Analytics and Business Intelligence	W	St.Joseph`s College	Trichy	2	2016-01-04	2016-01-04
90th Orientation Program	O	UGC-HRDC, Bharathidasan University	Tiruchirappalli	28	2015-11-15	2015-11-15

1st World Congress on Computing and Communication Technologies (WCCCT 14)	Z	UGC, New Delhi DST-SERB	New Delhi	3	2014-02-27	2014-03-01
Newly Recruited Staff	O	Jesuit Madurai Province Higher Education Commission	Dindigul	7	2013-11-19	2013-11-19
Newly Recruited Staff	O	Jesuit Madurai Province Higher Education Commission	Loyola College, Chennai	10	2013-05-10	2013-05-10
Smart Devices Programming Using Android (WSDPA)	W	St.Joseph`s College	Tiruchirappalli	1	2012-12-08	2012-12-08

Countries Visited

- Singapore, China and South Korea

Personal Details

Date of birth   :   19/03/1975

Marital status :   Married

Spouse Name   :   L. Cathrine

Religion   :   Christian (Roman Catholic)

Children   :   Two

Permanent Address

3/2A, Meyappan Ist Street,

Gnanaolivupuram,

Madurai -625 016,

Tamilnadu, India.

Phone: +91-452-4355641

Present Address

Plot No.6,

Arul Nayagam Street,

Crawford, Trichy - 620 012,

Tamilnadu, India.

Mobile : +91-9894058416

Date: 14th May 2025   (**Dr.S.BRITTO RAMESH KUMAR**)