

## RESUME

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

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### Career Objectives

- ❖ To be a dynamic and enthusiastic **Professor cum Researcher** in the field of Computer Science and Applications
- ❖ To make the best use of my Technical expertise in **Research, Teaching and Administration.**
- ❖ To encourage the **young research scholars to pursue their awards** by providing intellectual assistance.

### 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.

## Academic Positions

- ❖ **Secretary** for SJC Alumni Association, St. Joseph's College, Trichy.
- ❖ **Coordinator** (Computer Science) for **DBT, STAR Scheme**, St. Joseph's College, Trichy.
- ❖ **Member** in **Enterprise Resource Planning (ERP)** Team, St. Joseph's College, Trichy.
- ❖ **Assistant Coordinator** for **Software Development**, JCICT, St. Joseph's College, Trichy.
- ❖ **Founder cum Resident-Editor-in-Chief** - International Journal of Emerging Trends in Computing and Communication Technology (IJETCCT), St. Joseph's College, Trichy.
- ❖ **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 – till date

**Assistant Professor,**

Department of Computer Science,

**St. Joseph's College** (Autonomous), Tiruchirappalli – 620 002,

Tamil Nadu, India

Website: <http://www.sjctni.edu/Department/hishome.jsp?id=10&deptCode=CS>

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](http://www.bhc.edu.in)

## M.Phil., & Ph.D. Guided

- **Completed 12** and **Guiding 4 Ph.D. Research Scholars** under the Bharathidasan University, Trichy.
- Guided 17 M.Phil. research students.

S. NO	NAME OF THE SCHOLAR	REFERENCE NUMBER	FT / PT	TITLE OF THESIS	VIVA DATE
1.	M. KASTURI	08944/PH.D./COMP.S CI./PT/APRIL 2012	PT	AN APPROACH FOR STEMMING IN INFORMATION RETRIEVAL SYSTEMS	06.06.2017
2.	P. MEENAKSHI SUNDARI	08943/PH.D./COMP.S CI./PT/APRIL 2012	PT	AN APPROACH FOR ANALYZING THE FACTORS RECORDED IN THE TREE RINGS USING IMAGE PROCESSING TECHNIQUES	08.11.2017
3.	S. THIRAVIYA REGINA RAJAM	18982/PH.D./COMP.S CI./FT/JULY 2012	FT	A SECURITY FRAMEWORK FOR SOCIAL NETWORKING SERVICES	02.02.2018
4.	I. CAROL	34505/PH.D./COMP.S CI./FULL TIME/OCT 2012	FT	AN APPROACH FOR CONFLICT IDENTIFICATION AND RESOLUTION IN HETEROGENEOUS DATASETS	03.04.2018
5.	P.JOSEPH CHARLES	19098/PH.D./COMP.S CI./PART TIME/JULY 2012	PT	SECURITY FRAMEWORK FOR CONTEXT AWARE MOBILE WEB SERVICES	11.09.2018
6.	A. ANGEL PREETHI	004433/PH.D/K10/CS E/0087	PT	DICTIONARY BASED APPROACH FOR IMPROVING THE ACCURACY OF OPINION MINING ON BIG DATA	30.07.2020
7.	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.	B. REX CYRIL	47398/PH.D/K10/CSE /2047398	PT	METHODOLOGIES FOR ENSURING DATA CONFIDENTIALITY IN PUBLIC CLOUD STORAGE	30.03.2021

9.	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.	J. ANTONY JOHN PRABU	47397/PH.D/COM.SC I./PT/JAN.2013	PT	AN INTEGRATED ARCHITECTURE FOR SECURED CLOUD DATA TRANSACTIONS WITH CONSISTENCY ENHANCEMENTS	23.07.2021
11.	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.	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

### Performance Assessment

Appraised as “**Excellent**” by the students and faculty of Bishop Heber College in **Teaching, Research** and **Administrative** activities.

### Curriculum Development

- Designed the **syllabus** for the following courses:
  - Digital Computer Architecture
  - Web Design (including lab manual)
  - Multimedia (including lab manual)
  - E-Commerce
  - Fundamentals of Information Technology
  - Internet Technology
  - Software Engineering
  - Organizational Behaviour
  - 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.

#### Administrative/Academic Experience

- **Secretary, SJC Alumni/ae Association**, St. Joseph’s College (Autonomous), Tiruchirappalli from June 2023.
- **Member** in Board of Studies (BoS) for B.C.A., **N.G.M. College, Pollachi.**
- **Academic Member** in Board of Studies (BoS) for B.Sc. (Software), **Alagappa University, Karaikudi.**
- **Academic Member** in Board of Studies (BoS) for Commerce (CA), **Lady Doak College, Madurai.**
- **Chairman** of QP Setting Board for P.G.D.C.A. & D.C.A., **Alagappa University, Karaikudi.**
- **Academic Member** in Board of Studies (BoS), **JJ College of Arts and Science, Pudukkottai.**
- **University Nominee** for approving the Syllabus in **N.G.M. College, Pollachi.**
- **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 Experience

- **Research Areas** are Software Architecture, Mobile Applications and Services, Web Services and Mobile Web Technology and Information Security.
- **Thesis for Doctor of Philosophy** “**An Architecture for Secure Mobile Payment System using Public Key Infrastructure**”.
- **Organizing Chair** for an International conference on “**World Congress on Computing and Communication Technologies (WCCCT)**” in collaboration with **IEEE**.
- **Consultant for R & D, Amala Jyothi College of Engineering**, Kottayam, Kerala.
- **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
- **Program Committee Member** for “**International Conference on Database and Data Mining (DBDM’14)**”, Dubai, UAE, 4-5<sup>th</sup> April, 2014.
- **Founder and Editor-in-Chief** for the International Journal namely “**International Journal of Computing Technology and Information Security (IJCTIS)**” published by Heber Publications.
- **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**.
- **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 “**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.
- **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/=

<b>Awards</b>
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- **Award for Best Young Research Supervisor** has been conferred by Chennai Softech, Chennai on 5<sup>th</sup> November 2023
- **Outstanding Scientist Award** has been awarded by VDGGOOD Professional Association, Coimbatore, on 11<sup>th</sup> September 2021.
- **BHARAT RATNA MOTHER TERESA GOLD MEDAL AWARD 2018** has been awarded by GEPR, Chennai on 22<sup>nd</sup> December 2018.
- **Achiever Award for 2011** has been conferred by Samugapani Mandram, Madurai.
- **Best Researcher Award for 2008** has been conferred by Bishop Heber College, Tiruchirappalli.

## Special Talks/Presentation

- Invited Talk on **“The Entrepreneurial Edge: Unblocking Potential through Skill, Attitude and Behaviour Development”** at Bishop Heber College, Tiruchirappalli on 19<sup>th</sup> February 2024.
- Inaugural Address and Invited Talk on **“Zindagi”**, Bishop Heber College, 28<sup>th</sup> February 2020.
- Delivered 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 21<sup>st</sup> February 2020.
- Delivered Invited Talk on **“Data Communications and Networking”** at **Annai College**, Kumbakonam on 12<sup>th</sup> July 2018.
- Delivered Special Lecture on **“Service Computing”** during **Silver Jubilee Endowment Lecture** at **Fatima College (Autonomous)**, Madurai on 1<sup>st</sup> March 2018.
- Delivered Special Lecture on **“What the Software Industry Expects & How to achieve them to get the Job”** at **Govt. Arts College, Thuvakudi**, Tiruchirappalli on 22<sup>nd</sup> March 2017.
- Delivered Invited Talk on **“Web Services and Security”** at **Jamal Mohamed College (Autonomous)**, Tiruchirappalli on 4<sup>th</sup> March 2017.
- Delivered Special Talk on **“Recent Trends in IT”** during **Inter-College Meet** at **J.J. College of Arts and Science**, Pudukottai on 29<sup>th</sup> August 2016.
- **Interactive Session on “Security for Computer and Android Applications”** at **All India Radio**, Trichy on 2<sup>nd</sup> July 2015.
- Delivered Special Lecture on **“Web Services”** during **SPECTRA Association** at **Theivanai Ammal College for Women (Autonomous)**, Villupuram on 12<sup>th</sup> September 2014.
- Delivered Guest Lecture on **“Web Services”** at **AICTE Sponsored National seminar on "Pervasive Computing Technologies"**, organized by Kings College of Engineering, Pudukkottai on 25<sup>th</sup> April 2013.
- Delivered Special Lecture on **“Network Security and Cryptography”** at **Theivanai Ammal College for Women (Autonomous)**, Villupuram on 23<sup>rd</sup> January 2013.



- **Interactive Session on “Cell Pesi Vazhi Vaanigam”** at **All India Radio**, Trichy on 13<sup>th</sup> December 2012.
- **Interactive Session on “Min Kazhivugal”** at **All India Radio**, Trichy on 22<sup>nd</sup> November 2012.
- Delivered a 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 13<sup>th</sup> April 2012.
- Delivered a Special Talk on **“Project Development and Paper Presentation”** at **One Day Seminar, organized by Holy Cross College, Tiruchirappalli** on November 2011.
- Delivered a 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.
- Invited as Keynote Speaker for an International Conference on “Semantic E-Business and Enterprise Computing” organized by **Kingston University and Cognizant, London, UK** on July 2011.
- Presented the research paper in **ICCIT 2009 ACM conference at Seoul, South Korea.**
- Presented the research paper in **CSSE 2008 IEEE conference at Wuhan, China.**

#### Conferences/Workshops Organized

- **Organizing Member** for **“International Conference on the Impact of Disruptive Technologies”** from 8<sup>th</sup> to 9<sup>th</sup> January 2024 at St. Joseph’s College, Trichirappalli. The conference papers are published in **ISBN book**.
- **Organizing Chair** for **“2<sup>nd</sup> World Congress on Computing and Communication Technologies”** from 6<sup>th</sup> to 8<sup>th</sup> 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 27<sup>th</sup> February to 1<sup>st</sup> 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 8<sup>th</sup> 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**.

## Publications

### Book Publications:

- Edited **Conference Proceedings** for “**International Conference on the Impact of Disruptive Technologies**” from 8<sup>th</sup> to 9<sup>th</sup> January 2024 at St.Joseph’s College, Trichirappalli.
- “**A Beginning to Data Science with Python**”, K. Vani and S.Britto Ramesh Kumar, Orange Books Publication, 2023 [ISBN: 978-93-5621-645]
- “**Cloud Computing**” by S. Britto Ramesh Kumar and J. Vimal Rosy, Charulatha Publication, 2023. [ISBN: 978-93-5577-371]
- “**An Architecture for Secure Mobile Payment System using PKI**” by S.Britto Ramesh Kumar and S.Albert Rabara, LAP Lambert Academic Publishing, Germany. [ISBN: 978-3-659-34542-5].
- “**Classic Data Structures and Algorithms**” by S.Britto Ramesh Kumar and J.James Manoharan, First Edition, Heber Publications, India [ISBN: 978-93-80767-13-0].
- “**Click’r**” by S.Britto Ramesh Kumar and M.Kasthuri, 4<sup>th</sup> Standard, Based on CCE Scheme, Maria Publishers Pvt. Ltd., Tiruchirappalli, Tamilnadu, 2013.
- “**Click’r**” by S.Britto Ramesh Kumar and M.Kasthuri, 8<sup>th</sup> Standard, Based on CCE Scheme, Maria Publishers Pvt. Ltd., Tiruchirappalli, Tamilnadu, 2013.
- “**Click’r**” by S.Britto Ramesh Kumar and M.Kasthuri, 9<sup>th</sup> Standard, Based on CCE Scheme, Maria Publishers Pvt. Ltd., Tiruchirappalli, Tamilnadu, 2014.

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

#### **Journal Publications:**

- 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 Imbalance**”, 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, “**An Effective Way of Cloud Intrusion Detection System Using Decision tree**”, International conference on Machine Learning and Smart Technology (ICMLST), 2021, pp:215-222.
- 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.
- S. Britto Ramesh Kumar and A. Angel Preethi, “**Dom\_classi: An enhanced weighting mechanism for Domain Specific Words**”, International Journal of Applied Engineering Research, Vol.14(1), pp. 140-148, 2019.
- S. Britto Ramesh Kumar and George Gabriel Richard Roy, “**An Architecture to Enable Secure Firmware Updates on a Distributed-Trust IoT Network Using Blockchain**”, Springer Lecture Notes on Data Engineering and Communications Technologies, Vol. 1, pp. 671-679, 2019.
- S. Britto Ramesh Kumar and George Gabriel Richard Roy, “**A Security Framework for A Sustainable Smart Ecosystem using Permissioned Blockchain: Performance Evaluation**”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8(10), pp. 4247-4250, 2019.
- S. Britto Ramesh Kumar and J. Antony John Prabhu, “**Performance Analysis Of Proposed D1FTBC Approach For Improving Consistency In Cloud Data Transactions**”, International Journal Of Scientific & Technology Research, Vol. 8(08), pp. 1803-1807, 2019.
- S. Britto Ramesh Kumar and J. Antony John Prabhu, “**Performance of Proposed Architecture for Data Transactions in Cloud using D1FTBC**”, International Journal of Recent Technology and Engineering (IJRTE), Vol. 8(02), pp. 5390-5395, 2019.
- S. Britto Ramesh Kumar and A. Angel Preethi, “**NIC\_LBA: Negations and Intensifier Classification of microblog data using Lexicon Based Approach**”, Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 6(6), pp. 753-759, 2019.

- S.Britto Ramesh Kumar and B. Rex Cyril, “**SECON: Secured Confidentiality Framework To Protect Data Stored In Public Cloud Systems**”, International Journal Of Information And Computing Science, Vol. 6(05), pp. 406-417, 2019.
- S.Britto Ramesh Kumar and B. Rex Cyril, “**Hybrid Text and Value Based N-cryption and Obfuscation (Tvencobfus) To Safeguard Data in Cloud Storage Server**”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.8(10), pp. 3446-3450, 2019.
- S.Britto Ramesh Kumar and George Gabriel Richard Roy , “**A Security Architecture for a Smart Home Ecosystem using Permissioned Blockchain**”, International Journal of Research and Analytical Reviews (IJRAR), 2348 – 1269, Vol. 6, Issue 1, pp. 860-864, Feb 2019.
- S.Britto Ramesh Kumar and A.Angelpreethi, “**Dom\_classi: An enhanced weighting mechanism for Domain Specific Words**”, International Journal Of Research and Analytical Reviews, 0973-9769, Vol. 5, Issue 4, Oct 2018.
- S.Britto Ramesh Kumar and A.Angelpreethi, “**Dictionary based Approach for improving the Accuracy of opinion mining on Big data**”, International Journal Of Research and Analytical Reviews, 2348-1269, Vol. 5, Issue 4, Oct 2018.
- S.Britto Ramesh Kumar and A. Angelpreethi, “**Opinion Mining using Hybrid Approach on Big Data : A Perspective**”, International Journal of Scientific Research in Computer Science Applications and Management Studies, 2319-1953, Vol. 7, Issue5, September 2018.
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- S. Britto Ramesh Kumar, C. Narendiran, A. Arun Gnana Raj and S. Albert Rabara, “**A Framework for Mobile Payment System**”, In: *Proceedings of the 1<sup>st</sup> International Conference on Semantic E-business and enterprise computing (SEEC’08)*, (ISBN: 978-81-907337-0-0), pp.153–162, **Kerala, India**, 2008.
- 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 Publications:**

- 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 4<sup>th</sup> 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, 3<sup>rd</sup> 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)*, 09<sup>th</sup> May 2014.
- S.Britto Ramesh Kumar and S.Theraviya Regina Rajam, “***Hybrid Algorithm for Web based Social Network***” In: National Conference on Information Technology For Sustainable Future ( NCITSF14) , ISSN 2278-0181, page no.112-118,May 2014.
- S.Britto Ramesh Kumar, S.Divya and A.Emima, “***An Architecture for Medical and Healthcare Services using Wireless Body Area Sensor Networks***”, *National Conference on Advanced Computing (NCAC’12)*, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India, 1<sup>st</sup> March 2012.
- S. Britto Ramesh Kumar, A. Arun Gnana Raj and S. Albert Rabara, “***MPCS: SMS-based Secure Mobile Payment System***”, In: *Proceedings of the National Conference on Network Security (NCNS’08)*, pp.121-128, Nagercoil, Tamil Nadu, India, 2008.
- S.Britto Ramesh Kumar and Vinod Pradeep, ”***E-Governance @ 2020***”, *National Conference on Middleware Technologies (MET’07)*, Vinayaka Mission’s University, Salem, Tamil Nadu, 5<sup>th</sup> April 2007.
- S.Britto Ramesh Kumar, and J.Daniel Jaipandian, “***E-ticketing***”, *National Seminar on Cyber Impact on Society*, Sponsored by UGC, Tiruchirappalli, Tamilnadu, 11-12<sup>th</sup> February 2004.
- 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, 11-12<sup>th</sup> February 2004.

### **Conference attended:**

- **National Conference on Computer Science & Communication (NCSCCT'07)** conducted by St.Joseph's College, Tiruchirappalli, Tamilnadu, 16-17<sup>th</sup>, February, 2007.

### **International/National Workshops attended:**

- **Two day Workshop on Examination Reforms and Evaluation**, organized by the Internal Quality Assurance Cell (IQAC), Bishop Heber College, Tiruchirappalli, Tamilnadu, on 11<sup>th</sup> & 12<sup>th</sup> March 2011.
- **Orientation Programme for Research Scholars**, organized by Research Advisory Committee (RAC), St.Joseph's College, Tiruchirappalli, Tamilnadu on 18<sup>th</sup> January, 2011.
- **Special Workshop on Open Source Software**, sponsored by CDAC, CICC, IEEE and CSI on 23-24<sup>th</sup> January 2008.
- **International Workshop on Middleware Technologies (IWMT'07)**, conducted by Jayaram College of Engineering & Technology, Tiruchirappalli, Tamilnadu, 23-24<sup>th</sup> February, 2007.
- **International Workshop for Educators on Mobile Learning (IWSEML'07)**, organized by Bishop Heber College, Tiruchirappalli, Tamilnadu, 17–18<sup>th</sup> July 2007.
- **Workshop for Lesson Writers on Development of Course Materials (SIM Format) and Quality Assurance Measures**, sponsored by IGNOU-DEC on 27-29<sup>th</sup> November 2007.
- **Workshop on Curriculum Development and Evaluation (WCDE'06)**, conducted by TANSICHE and UGC, 9-11<sup>th</sup> March 2006.

### **Languages**

- For Good Spoken and Written: **Tamil** and **English**.

### **Countries Visited**

- **Singapore**, **China** and **South Korea**

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