Dr.ARRIVUKANNAMMA M.

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Department of Information Technology,
Bishop Heber College,
Tiruchirappalli - 17.

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Qualification

Degree	Branch	Institution / University	Year of Passing
Doctor of Philosophy	Computer Science	Bharathidasan University	2017
M.Tech	Computer Science and Information Technology	Manonmaniam Sundaranar University	2008
M.C.A	Computer Application	Alagappa University	2005
B.Sc	Computer Science	Bharathidasan University	2001

Ph.D. Details

Title of Thesis	Area of Specialization
An Integrated SPIHT and Adaptive Multiwavelet Transform Technique For Video Compression	Digital Image Compression

Research Supervisor	Research Centre	Year of Award
Dr.J.G.R.Sathiaseelan	Bishop Heber College,Trichy.	2017

Obtained Post Doctoral Fellowship :   **Agency**

Host Institution :

Additional Qualification

Name of Course	Place of Study	Date	Duration
PeopleSoft -ERP package	chennai	5,2005	3 months

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Trichy Engineering College	Somu Nagar,Konalai,Trichy-32	Assistant Professor	15-07-2008	18-04-2011
Bishop Heber College. Trichy	TRICHY	ASSISTANT PROFESSOR	15-12-2018	Till Date

Teaching / Research Experience

U.G. : 7 years 2 **P.G. :** 7 years 2 mo **M.Phil.** **Ph.D.**

Research Guidance

U.G. : **P.G. :** **M.Phil. :** **Ph.D. :** 2 years

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3.	**Publication in Journals**	**7**
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5.	**Books Published / Edited**	**0**
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7.	**Research Projects**	**0**
8.	**Resource Person**	**0**
9.	**Consultancy**	**0**
10.	**Awards Recieved**	**0**
11.	**Patent**	**3**
12.	**Extension Activities Undertaken**	**0**
13.	**Professional Membership**	**0**
14.	**M.Phil. / Ph.D. Produced**	**0 / 0**

CONFERENCES / WORKSHOPS / SEMINARS ATTENDED   -   56

1. National level Refresher on **"*Artificial Intelligence and Conceptualization of Algorithms using Python*"** sponsored by AICTE Training And Learning (ATAL) Academy organized by Bangalore Institute of Technology, Bangalore at Bangalore during 12/07/2021 to 16/07/2021.

2. National level Refresher on **"*Integrated Data Analytics - the Tools and Applications around Industry Verticals*"** sponsored by AICTE Training And Learning (ATAL) Academy organized by Holy Cross College(Autonomous) at Tiruchirappalli during 05/07/2021 to 09/07/2021.

3. National level Refresher on **"*Recent Trends in Data Science & Big Data Analytics*"** sponsored by KG COLLEGE OF ARTS AND SCIENCE organized by Faculty of Computer Science, KG College of Arts and Science at Coimbatore during 28/06/2021 to 03/07/2021.

4. State level Workshop on **"*Artificial Intelligence and Machine Learning*"** sponsored by BISHOP HEBER COLLEGE organized by Information Technology at Trichy during 26/02/2021 to 27/02/2021.

5. State level Seminar on **"*Digital Principles and its Applications*"** sponsored by BISHOP HEBER COLLEGE organized by UG Department of Computer Applications at Trichy during 27/01/2021 to 01/01/1900.

6. College level Workshop on **"*E content Development*"** sponsored by BISHOP HEBER COLLEGE organized by Deanery of Academics at Tiruchirappalli during 27/10/2020 to 29/10/2020.

7. State level Workshop on **"*Agile Methodology Practices for software development and testing*"** sponsored by Bishop Heber College.(Autonomous),Trichy. organized by Bishop Heber College.(Autonomous),Trichy. at Trichy during 31/07/2020 to 01/01/1900.

8. State level Seminar on **"*Cryptography Foundations and New Directions in Research*"** sponsored by SINDHI COLLEGE ARTs SCIENCE organized by Departments of Computer Science in association with IQAC at chennai during 30/07/2020 to 01/01/1900.

9. National level Seminar on **"*Research Writing Tools and Techniques*"** sponsored by Bishop Heber College organized by Department of Computer Applications, at Trichy during 15/07/2020 to 01/01/1900.

10. International level Workshop on **"*Eerging Trends in Computer Science and Applications*"** sponsored by Department of Computer Science organized by Department of Computer Science at SHUATS during 10/07/2020 to 11/07/2020.

11. State level Workshop on **"*CRYPTOGRAPHY FOUNDATION AND NEW DIRECTIONS in Research*"** sponsored by SINDHI College organized by Department of Computer Science at Chennai during 30/06/2020 to 30/06/2020.

12. State level Seminar on **"*Emerging trends in computer Science Information Technology*"** sponsored by Vaugh Institute of Agricultural Engineering & Technology organized by Computer Science and Information Technology at ALLAHABAD during 30/06/2020 to 01/01/1900.

13. State level Seminar on **"*Cryptography Foundations and New Directions in Research*"** sponsored by Departments of Computer Science in association with IQAC organized by SINDHI COLLEGE ARTs SCIENCE at Chennai during 30/06/2020 to 30/06/2020.

14. State level Workshop on **"*MLR Institute of Technology*"** sponsored by Bishop Heber College.(Autonomous),Trichy. organized by Bishop Heber College.(Autonomous),Trichy. at Trichy during 13/06/2020 to 01/01/1900.

15. State level Seminar on **"*Recent Trends in Data Science*"** sponsored by BISHOP HEBER COLLEGE organized by Department of CSE IT at Trichy during 13/06/2020 to 01/01/1900.

16. State level Seminar on **"*SPECIAL LECTURE on BUILDING CHARACTER COMPETENCY THROUGH WHOLE PERSON EDUCATION*"** sponsored by BISHOP HEBER COLLEGE organized by Internal Quality Assurance Cell IQAC at Trichy during 13/06/2020 to 16/06/2020.

17. State level Seminar on **"*DATA ANALYTICS APPLICATIONS*"** sponsored by BISHOP HEBER COLLEGE organized by PG Department of COMPUTER SCIENCE SF II at Trichy during 12/06/2020 to 01/01/1900.

18. State level Workshop on **"*DATA ANALYTICS and APPLICATIONS*"** sponsored by Bishop Heber College.(Autonomous),Trichy. organized by Bishop Heber College.(Autonomous),Trichy. at Bishop Heber College.(Autonomous),Trichy during 12/06/2020 to 01/01/1900.

19. State level Workshop on **"*Online Content creations Tools*"** sponsored by Department of Computer Science organized by Department of Computer Science at Bishop Heber College.(Autonomous),Trichy during 11/06/2020 to 01/01/1900.

20. State level Seminar on **"*ONLINE CONTENT CREATION TOOLS*"** sponsored by BISHOP HEBER COLLEGE organized by PG Department of COMPUTER SCIENCE SF II at Trichy during 11/06/2020 to 01/01/1900.

21. State level Seminar on **"*Scope and Impact of Artificial Intelligence and Machine Learning*"** sponsored by BISHOP HEBER COLLEGE organized by Ug Department of Computer Applications at Trichy during 05/06/2020 to 01/01/1900.

22. State level Workshop on **"*Scope and impact of Artificial Intelligent and Machine Learning*"** sponsored by Computer Applictions organized by Computer Applictions at Bishop Heber College .(Autonomous),Trichy during 05/06/2020 to 01/01/1900.

23. State level Seminar on **"*Technology Awareness Quiz*"** sponsored by SEETHALAKSHMI RAMASWAMI COLLEGE organized by Departments of Computer Science & Computer Applications at Trichy during 01/06/2020 to 01/01/1900.

24. State level Workshop on **"*Online Teaching tools*"** sponsored by Bishop Heber College.(Autonomous),Trichy organized by Bishop Heber College.(Autonomous),Trichy at Trichy during 30/05/2020 to 01/01/1900.

25. State level Workshop on **"*Application Development in Cloud*"** sponsored by Sadakathullah Appa College,Tirunelveli. organized by Sadakathullah Appa College,Tirunelveli. at during 30/05/2020 to 01/01/1900.

26. State level Workshop on **"*Microsoft Azure and its Services*"** sponsored by Information Technology organized by Bishop Heber College.(Autonomous),Trichy at Bishop Heber College.(Autonomous),Trichy during 27/05/2020 to 01/01/1900.

27. State level Workshop on **"*Innovation in information Technology post COVID-19*"** sponsored by Nallamuthu Gounder Mahalingam College,Coimbatore. organized by Nallamuthu Gounder Mahalingam College,Coimbatore. at during 27/05/2020 to 01/01/1900.

28. National level Workshop on **"*Data Science And Visualization Using Python*"** sponsored by CSI Gwalior Chapter & The Institution of Engineers (India) organized by CSI Gwalior Chapter & The Institution of Engineers (India) at during 24/05/2020 to 01/01/1900.

29. -1 level Workshop on **"*Humanoid Robotics*"** sponsored by BHAKTAVATSALAM MEMORIAL COLLEGE FOR WOMEN CHENNAI-80 organized by BHAKTAVATSALAM MEMORIAL COLLEGE FOR WOMEN CHENNAI-80 at during 23/05/2020 to 23/05/2020.

30. State level Workshop on **"*Webinar on Unlocking Online Evaluation*"** sponsored by Bishop Heber College.(Autonomous),Trichy. organized by Bishop Heber College.(Autonomous),Trichy. at Trichy during 22/05/2020 to 01/01/1900.

31. State level Workshop on **"*Opportunities in Artificial Intelligence*"** sponsored by Chendu Collegge of Engineering &Technology organized by Chendu Collegge of Engineering &Technology at during 21/05/2020 to 01/01/1900.

32. State level Workshop on **"*Artificial Intelligence*"** sponsored by M.O.P. Vaishnav College for Women(.(Autonomous),Chennai. organized by M.O.P. Vaishnav College for Women(.(Autonomous),Chennai. at Chennai during 20/05/2020 to 01/01/1900.

33. State level Workshop on **"*Immunity Boosters for COVID19*"** sponsored by Bishop Heber College.(Autonomous),Trichy. organized by Bishop Heber College.(Autonomous),Trichy. at Trichy during 20/05/2020 to 20/05/2020.

34. National level Workshop on **"*Online Faculty Development Programme on Data Science*"** sponsored by Jamal Mohamad College.(Autonomous) organized by Jamal Mohamad College.(Autonomous) at Trichy during 18/05/2020 to 01/01/1900.

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35. State level Workshop on **"*Recent Trends in Cloud Computing*"** sponsored by Jamal Mohamad College.(Autonomous),Trichy organized by Jamal Mohamad College .(Autonomous),Trichy at Trichy during 11/05/2020 to 01/01/1900.

36. State level Workshop on **"*TWO DAYS WORKSHOP ON INTERNET OF THINGS*"** sponsored by DEPARTMENT OF INFORMATION TECHNOLOGY organized by DEPARTMENT OF INFORMATION TECHNOLOGY at BISHOP HEBER COLLEGE,TRICHY during 14/02/2020 to 15/02/2020.

37. National level Workshop on **"*REAL TIME AAPPLICATIONS USING NEXT GENERATION IoT TECHNOLOGY*"** sponsored by Department of Computer Applications organized by at Bishop Heber College ,Trichy during 14/02/2020 to 14/02/2020.

38. State level Workshop on **"*SOCIAL MEDIA MARKETING*"** sponsored by DEPARTMENT OF INFORMATION TECHNOLOGY organized by DEPARTMENT OF INFORMATION TECHNOLOGY at BISHOP HEBER COLLEGE,TRICHY during 26/09/2019 to 01/01/1900.

39. State level Workshop on **"*Faculty recharging programme*"** sponsored by Internal Quality Assurance Cell(IQAC) organized by Internal Quality Assurance Cell(IQAC) at Bishop Heber College. (Autonomous),Trichy during 12/06/2019 to 13/06/2019.

40. Regional level Workshop on **"*One day faculty Development Programme*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 22/09/2018 to 01/01/1900.

41. College level Workshop on **"*Research Project Preparation for Various Funding Agencies with Special Reference to Women Scientist Scheme*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 02/08/2018 to 01/01/1900.

42. College level Workshop on **"*Examinations an Evolution Reforms*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 10/03/2018 to 01/01/1900.

43. National level Conference on **"*National Conference on computing Technologies*"** sponsored by Department of Computer Science organized by Department of Computer Science at Bishop Heber College.(Autonomous),Trichy during 26/02/2018 to 01/01/1900.

44. International level Conference on **"*Computing Communication and Information Science*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 28/07/2016 to 29/07/2018.

45. International level Conference on **"*International Conferences on Emerging Noveltiesand Vistas in Space Technologies & Applications*"** sponsored by Sathyabama University, Chennai organized by Sathyabama University, Chennai at Chennai during 25/02/2016 to 27/02/2016.

46. International level Conference on **"*International Conferences on Advanced Computing*"** sponsored by Jamal Mohammed College,Trichy. organized by Jamal Mohammed College,Trichy. at Trichy during 03/12/2015 to 04/12/2015.

47. International level Workshop on **"*Image Processing and its Applications*"** sponsored by Agni College of Technology organized by Agni College of Technology at Chennai during 09/10/2015 to 10/10/2015.

48. National level Workshop on **"*Optimizing Research Tools and Techniques*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 22/08/2015 to 22/08/2015.

49. International level Workshop on **"*Image Processing Research with Matlab*"** sponsored by Bharathidasan University organized by Bharathidasan University at Trichy during 31/07/2015 to 01/08/2015.

50. International level Conference on **"*IEEE Innovations in Information ,Embedded and Communication Systems(ICIIES15)*"** sponsored by Karpagam College of engineering organized by Karpagam College of engineering at Coimbatore during 19/03/2015 to 20/03/2015.

51. National level Conference on **"*National Conference on Emerging Trends in Advanced Computing*"** sponsored by Dhanalakshmi Srinivasan College of Arts & Science For Women organized by Dhanalakshmi Srinivasan College of Arts & Science For Women at Perambalur during 27/02/2015 to 27/02/2015.

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52. Regional level Workshop on **"*Research Writing:Elements and Steps*"** sponsored by Bharathidasan University organized by Bharathidasan University at Trichy during 16/02/2015 to 20/02/2015.

53. International level Workshop on **"*Real Time Signal Acquisition & Processing Using Open Source Software SCILAB*"** sponsored by National Insitute of Technology organized by National Insitute of Technology at Trichy during 15/12/2014 to 17/12/2014.

54. International level Workshop on **"*Object Oriented Analysis and Design with Unified Modeling Language*"** sponsored by Anna University organized by Anna University at Trichy during 09/08/2008 to 10/08/2008.

55. National level Workshop on **"*Five Days Workshop on Image Processing with IDL Programming*"** sponsored by Manoonmaniam Sundaranar University, organized by Manoonmaniam Sundaranar University, at Tirunelveli-12 during 26/12/2007 to 30/12/2007.

56. College level Seminar on **"*Wearable Device and Big Data*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 06/04/2006 to 06/04/2006.

Research Papers Presented   -   6

1. **"A STUDY ON CLOUD COMPUTING STORAGE ALGORITHM WITH SERVICES AND PLATFORMS"** in the International conference on *SCIENTIFIC & TECHNOLOGICAL ADVANCEMENTS FOR RELIABLE AND SUSTAINABLE -FUTURE- STARS* sponsored by DEANERY OF ACADEMICS AND ALL SCIENCE, organized by BISHOP HEBER COLLEGE at TRICJY during 16/11/2022 to 18/12/2022.

2. **"An Adaptive Multiwavelet Transform with an Enhanced SPIHT for Using Video Compression Technique"** in the International conference on *International Conference on Computing Communication and Information and Information Science* sponsored by , organized by Bishop Heber College at Trichy during 28/07/2016 to 29/07/2016.

3. **"An Enriched Quality Metrics for Rate Controlled Algorithm Using h.264/AVC"** in the International conference on *International Conference on Emerging Novelties and vistas in Space* sponsored by , organized by Sathyabama University at Chennai during 25/02/2016 to 27/02/2016.

4. **"Performance Evalution of Discrete Wavelet Transform of SPIHT Using Video Compression Technique"** in the International conference on *International Conference on Emerging Novelties and vistas in Space* sponsored by , organized by Sathyabama University at Chennai during 25/02/2016 to 27/02/2016.

5. **"An Improved Anisotropic Diffusion of Rate Control Algorithm Approach for H.264/AVC"** in the International conference on *International Journal of Scientific Research(IJAER) Research India Publication* sponsored by , organized by Jamal Mohammed College at Trichy during 03/12/2015 to 04/12/2015.

6. **"A Study on CODEC Quality Metrics Video Compression Techniques"** in the Select conference on *ICIIES 2015* sponsored by IEEE, organized by Karpagam College of Engineering at Coimbatore during 19/03/2015 to 20/03/2015.

Publication in Journals   -   7

1. **"A Lossy Adaptive Multiwavelet Transform for high Quality Compression Ratio Using Medical Endoscopic Video"** published in International Journal of Computer Science and Mobile Computing (IJCSMC) (E-JOURNAL) Vol. 5, Issue No. 4, April 2016 **ISSN :** 2320-088X.

2. **"An Improved Anisotropic Diffusion of Rate Control Algorithm Approach for H.264/AVC"** published in International Journal of Applied Engineering Research -(IJAER) (E-JOURNAL) Vol. 10, Issue No. 829, March 2015 **ISSN :** 097-3-4562.

3. **"An Enriched Quality Matrix for Rate Control Algorithm Approach for H.264/AVC"** published in Middle East Journal of Scientific Research(MEJSR) (NON PEER REVIEW) Vol. , Issue No. , January 1900 **ISSN :** ---.

4. **"An Enriched Quality Matrix for Rate Control Algorithm Approach for H.264/AVC"** published in Middle East Journal of Scientific Research(MEJSR) (NON PEER REVIEW) Vol. , Issue No. , January 1900 **ISSN :** ---.

5. **"Performance Evolution of Discrete Wavelet Transform of SHIFT Using Video Compression Technique."** published in Indian Journal of Science and Technology (IJST) (SELECT) Vol. , Issue No. , January 1900 **ISSN :** ---.

Conferences / Workshops / Seminars Organised   -   4

1. State level Seminar Entitled **"Digital Principles and its Applications"** at Trichy, sponsored by INFORMATION TECHNOLOGY, during 27/01/2021 to 27/01/2021.

2. State level Seminar Entitled **"???????? ????????? ??????????""** at BISHO HEBER COLLEGE, sponsored by INFORMATION TECHNOLOGY, during 07/11/2020 to 01/01/1900.

3. State level Seminar Entitled **"Open Source Applications and .NET Core"** at Trichy, sponsored by INFORMATION TECHNOLOGY, during 28/10/2020 to 28/10/2020.

4. State level Seminar Entitled **"Agile Methodology - Practices for Software Development and Testing"** at Trichy, sponsored by INFORMATION TECHNOLOGY, during 31/07/2020 to 01/01/1900.

Type	Nature	Patent No.	Status	Month & Year
INTERNATIONAL	PORTABLE VLSI DATA ACQUISSITION SYSTME FOR ELECTROENCEPH ALOGRAPHY /OTOSCOPE/CURE TTE dEVICES	202241048025A	GRANTED	9/2/2022 12:00:00
INTERNATIONAL	BLOCK CHAIN IN DATA COMMUNICATION CHANNEL OF E HEALTHCARE SYSTEM	20224021436A	GRANTED	4/29/2022 12:00:0
INTERNATIONAL	COVID MONITORING SYSTEM BASED ON SENSED HEALTH PARAMETERS	202141032212	GRANTED	8/17/2021 12:00:0

Signature of Staff

(ARRIVUKANNAMMA M.)

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