# Mr.A.SANDANASAMY

Assistant Professor,
Department of Computer Applications,
Bishop Heber College,
Tiruchirappalli - 17.

E-mail : santhansamy@gmail.com

Phone : 8015230112

Web:

## Qualification

| Degree | Branch | Institution / University | Year of Passing |
|---|---|---|---|
| M.Phil | Computer Science | Nehru Memorial College | 2014 |
| MSc | COmputer Science | St.Josephs College | 2012 |
| Bsc | Computer Science | V.O.C Collge | 2010 |

| Cleared NET / SET : | Details | Year of Passing |
|---|---|---|
| SET | SET/06/02979 | October,2012 |

## Additional Qualification

| Name of Course | Place of Study | Date | Duration |
|---|---|---|---|
| Philosophy | Yercaud | April 2005 | 2 years |
| Microsoft Certification | Nil | June 2018 | Nil |
| Machine Learning, Data Science and Deep Learning with Python | Online | April,2021 | |
| Python Programming | Online | August 2021 | |
| Complete Python Programming for Beginners 2022 | Online | Feb 2022 | 11 hours |

## Work Experience

| Name of Institution | Address of Institution | Designation | From | To |
|---|---|---|---|---|
| JAIRAM ARTS & SCIENCE COLLEGE | chinnathirupathi, Salem 636008 | Assistant Professor | 01.06.2012 | 30.04.2013 |
| BISHOP HEBER COLLEGE | vayalur Road Trichy 17 | Assistant Professor | 18.06.2013 | Till Date |

### Teaching / Research Experience

| U.G. : | 8 years | P.G. : | 6 years | M.Phil. | | Ph.D. | |
|---|---|---|---|---|---|---|---|

### Research Guidance

| U.G. : | 8years | P.G. : | 6years | M.Phil. : | | Ph.D. : | |
|---|---|---|---|---|---|---|---|

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## CONFERENCES / WORKSHOPS / SEMINARS ATTENDED    -    42

1. -1 level Workshop on **"*Exploring Machine Learning Techniques using MATLAB*"** sponsored by PG Department of Computer Applications organized by PG Department of Computer Applications at Trichy during 18/03/2022 to 19/03/2022.

2. Regional level Seminar on **"*Indias Achievements in Science and Technology*"** sponsored by office of the Principal Scientijfic Adviser to the Govermment of India and Ministrypf Cuiture , Government of India organized by office of the Principal Scientijfic Adviser to the Govermment of India and Ministrypf Cuiture, Government of India at Trichy during 22/02/2022 to 28/02/2022.

3. International level Workshop on **"*TECHNOLOGIES FOR THE NEW ERA*"** sponsored by CAUVERY COLLEGE FOR WOMEN organized by CAUVERY COLLEGE FOR WOMEN at Trichy during 22/01/2022 to 22/01/2022.

4. National level Workshop on **"*Process and Paradigms in Research*"** sponsored by Research and Advisory committee of St.Josephs College organized by Research and Advisory committee of St.Josephs College at Trichy during 29/10/2021 to 30/10/2021.

5. National level Seminar on **"*Funds and Fellowships for Research*"** sponsored by Research and Advisory committee of St.Josephs College organized by Research and Advisory committee of St.Josephs College at Trichy during 16/07/2021 to 16/07/2021.

6. College level Seminar on **"*Unleashing Effectiveness*"** sponsored by Deanery of Academics, Bishop Heber College organized by Deanery of Academics, Bishop Heber College at Trichy during 16/03/2021 to 17/03/2021.

7. National level Seminar on **"*Innovation and Excellence in Research*"** sponsored by St. Joseph's College organized by St. Joseph's College at Trichy during 26/02/2021 to 26/02/2021.

8. National level Workshop on **"*Machine Learning Algorithms for Dead Time Systems*"** sponsored by the Department of Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Hyderabad organized by the Department of Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Hyderabad at Online during 24/01/2021 to 29/01/2021.

9. National level Seminar on **"*Novel Tool for Online Teaching*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 25/07/2020 to 01/01/1900.

10. National level Seminar on **"*Funds and fellowship for Research*"** sponsored by St.Josephs College organized by St.Josephs College at Trichy during 16/07/2020 to 01/01/1900.

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

12. -1 level Seminar on **"*Deep Learning with Data Science and Machine Learning*"** sponsored by St.Josephs College of Engineering organized by St.Josephs College of Engineering at during 13/07/2020 to 15/07/2020.

13. National level Seminar on **"*Blockchain and It's Use Cases*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 18/06/2020 to 01/01/1900.

14. State level Seminar on **"*Blockchain and its use cases*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 18/06/2020 to 01/01/1900.

15. State level Orientation on **"*Scope and Impact of Artificial Intelligence and Machine Learning*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 05/06/2020 to 01/01/1900.

16. State level Seminar on **"*Data Analytics*"** sponsored by Gobi Arts and Science College organized by Gobi Arts and Science College at Erode during 30/05/2020 to 01/01/1900.

17. State level Seminar on **"*IOT and Cloud Computing*"** sponsored by Gobi Arts and Science College organized by Gobi Arts and Science College at Erode during 29/05/2020 to 01/01/1900.

18. State level Seminar on **"*Deep learning for computer vision*"** sponsored by Sri Venkateswaraa College of Technology organized by Sri Venkateswaraa College of Technology at Sriperumbuthur during 27/05/2020 to 01/01/1900.

19. International level Seminar on **"*Recent trends in information technology*"** sponsored by J J college of arts and science organized by J J college of arts and science at Pudukkottai during 24/05/2020 to 01/01/1900.

20. -1 level Seminar on **"*Two days Webinar on Computing Paradigms*"** sponsored by Don Bosco College Arts and Science College organized by Don Bosco College Arts and Science College at Yelagiri Hills during 21/05/2020 to 22/05/2020.

21. State level Seminar on **"*Internet of Things*"** sponsored by Kovaikalaimagal College of Arts and Science organized by Kovaikalaimagal College of Arts and Science at Erode during 20/05/2020 to 20/05/2020.

22. State level Seminar on **"*Writing an Effective Research Paper means and Methods using LaTeX*"** sponsored by Kovaikalaimagal College of Arts and Science organized by Kovaikalaimagal College of Arts and Science at Erode during 19/05/2020 to 01/01/1900.

23. State level Seminar on **"*Introduction about big data analytics and its application*"** sponsored by Kovaikalaimagal college of arts and science organized by Kovaikalaimagal college of arts and science at Coimbatore during 18/05/2020 to 01/01/1900.

24. State level Seminar on **"*Online faculty development programme on data science*"** sponsored by J D college of engineering and management organized by J D college of engineering and management at Nagpur during 18/05/2020 to 01/01/1900.

25. -1 level Orientation on **"*Cloud Application-an Introduction*"** sponsored by Nallamuthugounder Mahalingam College organized by Nallamuthugounder Mahalingam College at Pollach during 13/05/2020 to 15/05/2020.

26. -1 level Orientation on **"*Current Trends in Software Engineering:Aglie and Scrum Overview*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 12/05/2020 to 01/01/1900.

27. -1 level Orientation on **"*Machine Learning Using Python*"** sponsored by VELS organized by VELS at Chennai during 04/05/2020 to 01/01/1900.

28. National level Orientation on **"*Faculty development programme on LaTeX*"** sponsored by Poornima University organized by Poornima University at Jaipur during 04/05/2020 to 08/05/2020.

29. State level Seminar on **"*Online faculty development programme*"** sponsored by Kaypessyes college of arts and science organized by Kaypessyes college of arts and science at Kotagiri during 29/04/2020 to 01/05/2020.

30. National level Seminar on **"*Developing the Ability to Write Research Proposal*"** sponsored by Adarsh Group of Institution Adarsh organized by Adarsh Group of Institution Adarsh at Karanataka during 24/04/2020 to 24/04/2020.

31. National level Seminar on **"*The future with artificial intelligence*"** sponsored by St.Josephs College organized by St.Josephs College at Trichy during 13/02/2020 to 01/01/1900.

32. College level Workshop on **"*One Day Workshop on Examinations and Evaluation Reforms*"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 10/03/2018 to 01/01/1900.

33. College level Workshop on **"*AngularJS*"** sponsored by Department of Computer Applications organized by Department of Computer Applications at Trichy during 24/02/2018 to 01/01/1900.

34. International level Workshop on **"*World Class Curriculam Design for Computer Science with Research Aspects*"** sponsored by Bharadhidasan University organized by Bharadhidasan University at Trichy during 15/11/2017 to 01/01/1900.

35. College level Orientation on **"*Faculty Empowerment Programme*"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 14/06/2017 to 01/01/1900.

36. -1 level Seminar on **"*International Seminar on Wearable Devices and Big data*"** sponsored by HEBAA , Bishop Heber College organized by HEBAA , Bishop Heber College at Trichy during 06/04/2016 to 06/04/2016.

37. College 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.

38. College level Workshop on **"*Capacity Building Programme*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 06/08/2015 to 06/08/2015.

39. National level Conference on **"*International Conference on Social Media for service Sector*"** sponsored by Fatima College organized by Fatima College at Madurai during 20/08/2014 to 21/08/2014.

40. National level Workshop on **"*Research Issues in Big Data Analytics*"** sponsored by Computer Society of India organized by Computer Society of India at Trichy during 27/03/2014 to 27/03/2014.

41. National level Workshop on **"*Cloud Driven Application Development*"** sponsored by Karunya University organized by Karunya University at Coimbatore during 18/03/2014 to 19/03/2014.

42. National level Conference on **"*National conference on Advanced Computing*"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Trichy during 05/03/2014 to 05/03/2014.


## Research Papers Presented          -     4

1. **"Load Balancing Techniques:A study on Building Fault Tolerant System in IoT Network"** in the International conference on *RECENT TRENDS IN CYBER SECURITY* sponsored by , organized by Shrimati Indira Gandhi College at Trichy during 15/12/2021 to 15/12/2021.

2. **"International Conference on Intelligent and Computing Systems ( ICICS ) - 2021 " organized by the UG Department of Computer Applications, Bishop Heber College, Tiruchirappalli, on 22nd March 2021.  Dr.J.James Manoharan Convener (ICICS)-2021 Head, UG Dept. of Computer Applications, Bishop Heber College, Trichy-17.  Dr.D.Paul Dhayabaran Principal, Bishop Heber College, Trichy-17.  Mr. A. Sandanasamy  Bishop Heber College, Trichy A Critical Study on Load Balancing Methods in IoT Network"** in the International conference on *International Conference on Intelligent and Computing Systems ( ICICS )* sponsored by , organized by Bishop Heber College at Trichy during 22/03/2021 to 22/03/2021.

3. **"Research Writing Tools and Techniques"** in the International conference on  sponsored by International Conference on Intelligent and Computing Systems ( ICICS ) - 2021, organized by UG Department of Computer Applications, Bishop Heber College, Tiruchirappalli at Trichy during 22/03/2021 to 22/03/2021.

4. **"Performance Based Analysis on New ALNM Encryption Algorithm"** in the International conference on *Two-day International Conference on Social Media for service Sector* sponsored by , organized by Fatima College at Madurai during 20/08/2014 to 21/08/2014.

## Publication in Journals     -     6

1. **"A Quality Based Software Requirement Prioritization Using Takagi-Sugeno Neuro Fuzzy Inference"** published in International Journal of Computer Sciences and Engineering (PEER REVIEW) Vol. 7, Issue No. 5, May 2019 **ISSN :** ---.

2. **"Software Requirement Prioritization: A Critical Study on Its Techniques"** published in International Journal of Computer Sciences and Engineering (PEER REVIEW) Vol. 6, Issue No. 11, November 2018 **ISSN :** 2347-2693.
   **Impact factor** , **Scopus Index** , **h - index** 009, **Citation index** 810

3. **"Software Requirement Prioritization: A Critical Study on Its Techniques"** published in International Journal of Computer Sciences and Engineering (PEER REVIEW) Vol. 6, Issue No. 11, November 2018 **ISSN :** 2347-2693.
   **Impact factor** , **Scopus Index** , **h - index** 009, **Citation index** 810

4. **"Exploring DB25 as an Interface to Electronic Appliances and Automating Remotely with SMS"** published in International Journal of Science, Engineering and Technology Research (PEER REVIEW) Vol. 4, Issue No. 1, January 2015 **ISSN :** 2278 – 7798.

5. **"Alpha-Numerical Random Password Generator for Safeguarding the Data Assets"** published in International Journal of Engineering Research & Technology (PEER REVIEW) Vol. 3, Issue No. 12, December 2014 **ISSN :** ---.

6. **"Trust Based Data Aggregation for Efficient Routing in Wireless sensor Network"** published in InternationalJournalofEmergingTrendsinComputingandCommunicationTechnology (PEER REVIEW) Vol. 1, Issue No. 2, November 2014 **ISSN :** 2348 4454.

## Books Published / Edited     -     1

 * . *Clickr Computer Information Technology*. Trichy : Maria Publishers , January 2020.

## Conferences / Workshops / Seminars Organised     -     1

1. State level Workshop Entitled **"One day Hands on workshop on Python"** at , sponsored by , during 01/01/1900 to 01/01/1900.

**Awards Recieved**     -     1

| Award Name | Presented by | Year | Level | Instituted by / Place | amount |
|---|---|---|---|---|---|
| Joint-Secretary of the National Science Week Celebrations (22-28 February, 2022) | Office of the Principal Scientific Adviser to the Government of India and Ministry of Culture, Government of India | 28/02/2022 | NATIONAL | | NIL |

## RESEARCH PROJECTS     -     1

1. Minor project entitled **"A Quality Based Software Requirement Prioritization System Using Takagi-Sugeno Neuro Fuzzy Inference System"** (*PRINCIPAL INVESTIGATOR*), Sponsored by UGC, during 30/06/2017 to 6/30/2019 [Completed].

## RESOURCE PERSON     -     3

1. College level Workshop on **"Microsoft Excel for Biologists"** at Bishop Heber Collge, Trichy, 28/01/2022.
2. College level Invited Lectures on **"Life Coping Skills"** at Mahatma Gandhi College of arts and Science,Sankarankovil, 11/03/2016.
3. College level Invited Lectures on **"Software Engineering"** at Mother Teresa Womens University, 16/02/2016.

## Additional Information

@     served as a Joint-Secretary of the National Science Week Celebrations (22-28 February, 2022)

**Signature of Staff**
**(A.SANDANASAMY)**

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