FACULTY PROFILE

Name	B.Triveni
Designation	Lecturer
Date of Birth	07-04-1978
Date of Appointment	27-08-2002
Date of Join in Current Station	28-07-2004
Contact No	9866992175
Email ID	btriveni2020@gmail.com
Website/Blog	http://sgsac.tirumala.org/

❖ Qualification: (highest to PG)

Qualification	Institution /University	Year
Ph.D in Computer Science	Sri Padmavati Mahila Visvavidyalayam, AP	2022
M.Phil. in Computer Science	Vinayaka Missions University, Salem, Tamil Nadu	2009
M.Sc. in Computer Science	Sri Venkateswara University, Tirupati, AP	2000

❖ Career Profile

Designation	Institution	Period
Assistant Professor(MTS)	S.V. Arts College, Tirupati	2002-2003
Assistant Professor(MTS)	S.G.S.Arts College,Tirupati	2004 -Till Date

❖ Training Programmes (OC/ RC/ Others)

Program	Conducted by	From	To	Days
Online Refresher Programme on "**Deep Learning**"	Birla Institute of Technology, Mesra,Ranchi, Jharkhand	24.05.2021	29.05.2021	6
Online FDP on **Machine Learning**	E&ICT Academy IIT Guwahati in association with Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh and support from Digital Shark Technology.	04.01.2021	09.01.2021	6
Short Term Training Programme on **Big data, Machine Learning and Deep Learning**: the Paradigm Shift	Department of Computer Science and Engineering, SRMIST, Vadapalani campus.	14.12.2020	18.12.2020	5
AICTE Training And Learning (ATAL) Academy Online FDP on **Augmented Reality (AR)/ Virtual Reality (VR)**	Kumaraguru College of Technology, Nelson Mandela Marg, Vasant Kunj, New Delhi	7-12-2020	11-12-2020	5
Three Week Online Faculty Development Program	Saint Francis De Sales College, Nagpur	01.12.2020	23.12.2020	21
Online FDP on **Institutional Enrichment vis-à-vis Skill Development**	Department of Applied Sciences and Humanities, Rajkiya Engineering College, Mainpuri	24.11.2020	28.11.2020	5
Online Certificate Course on **Data Analysis for Life Sciences using R Programming**	Guru Nanak Centre for research (GNCR), Guru Nanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai.	14.10.2020	23.10.2020	10
AICTE Sponsored Short	Department of	24.08.2020	29.08.2020	6

Term Training Program (STTP) on **Machine Learning with Python in Data Science - Applications and Research Perspectives**	Information Technology, SRM Institute of Science and Technology, SRM Nagar, Kattankulathur, Chengalpattu District, Tamilnadu .			
Online FDP **on High Impact Teaching skills and mind mapping for better Teaching**	International Centre for Business Studies(ICBS),Department of Commerce ,Manipal Academy of Higher Education, Manipal	19.08.2020	20.08.2020	2
Online FDP on Machine Learning	Department of Information Science and Engineering, VVCE, Mysuru.	10.08.2020	14.08.2020	5
Online FDP on **Electronic Resources for Teaching ,Learning and Research**	B.V.V.Sangha's Shri S.R.KanthiArts, Commerce and Science College, Mudhol, Karnataka.	30.07.2020	1.08.2020	3
Online FDP on **Perspectives of Artificial Intelligence Applications**	St.Joseph Institute of Technology, Chennai.	27.07.2020	01.08.2020	6
Online FDP on **Artificial Intelligence and Machine Learning in Healthcare**	Department of Bioengineering and Electronics & Communication Engineering, Birla Institute of Technology Mesra	27.07.2020	31.07.2020	5
Online FDP on **Research Methodology and Software Tools in Research**	Internal Quality Assurance Cell & Research Committee, St.Pious X Degree & PG College for Women, Snehapuri Colony, Nacharam, Hyderabad.	28.07.2020	29.07.2020	2
Online **Soft Skills** Online Training Program	Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj-Kachchh in collaboration with Business Excellence Inc. USA.	20th ,22nd ,24th	27th July 2020	4
Online FDP on **CAPACITY BUILDING &**	Indira Priyadarshini Govt. Degree College for	20.07.2020	25.07.2020	5

SKILL ENHANCEMENT FOR HIGHER EDUCATION TEACHER	Women, Nampally, Hyderabad.			
Online FDP **on Latex and its Applications for Researchers**	Department of Information Science &Engineering, Vidyavardhaka College of Engineering, Mysuru	20.07.2020	24.07.2020.	5
Online FDP on **Artificial Intelligence Applications through Machine Learning**	Department of Computer Science & Engineering, BITS, Laknepally (V), Narsampet (M), Warangal	14.07.2020	18-07-2020	5
Online FDP on **Machine Learning With Python**	Department of Computer Science & Engineering, KKR&KSR Institute of Technology & Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India	13-07-2020	18-07-2020	6
Online FDP **on Data Handling and Data Visualization using Python**	Department of CSE, Government College of Engineering, Tirunelveli	06.07.2020	10.07.2020.	5
Online FDP on Quality Sustainability and quality Enchancement Strategy	by IQAC of KKR & KSR Institute of Technology & Sciences, Guntur, AP in collaboration with APSCHE	02.07.2020	04.07.2020	3
Online FDP on **Remote sensing applications and current trends in machine learning**	CAREER , Dr.M.G.R. Educational and Research Institute, Tamilnadu	22.06.2020	29.06.2020	7
Offline FDP on **New Frontiers in Artificial Intelligence Societal Perspectives**	CURIE-AI, SPMVV, Tirupati from	25.11.2019	30.11.2019	6
Online Certificate Course in **Big Data :Hadoop**	Edureka Training Platform	22.04.2019	10.06.2019	15
Offline FDP on **Emerging Trends in Big Data**	Department of Computer Science & Engineerin g College, Sree Vidyaniketan Engineering College, Tirupati.	01.07.2016	02.07.2016	2

Research Publications: Total No:07 **(View)**

Publication Profile	International	National	State
Peer reviewed Publications	05	02	

❖ **Patent**

S.No	Title of Patent
1	AUTOMATIC DETECTION OF SHOULDER PAIN

❖ **Seminars / Workshops/ Conferences :** Total No:56**(View)**

❖ **Extension Activities:**

Nature of Activity	Details
Organized Online Quiz on the Topic "**Fundamentals of Computers**"	For Students, Teaching and Non-Teaching Staff and others during the month of September 2020
Online Quiz on the Topic "**Internet Concepts**"	Conducted for Students, Teaching and Non-Teaching Staff and others during the month of August 2020.
A role in conducting "**Developer Weekend**" Workshop	Organized at S.G.S.Arts College, Tirupati during 9th& 10th November 2016.
Undergone the basic course for **Ranger Leaders** at Tirupati	Organized by The Bharat Scouts &Guides, State Head quarters, Domalguda, Hyderabad from 29th September to 5th October 2013

❖ **Administrative Assignments**

Committee	Convener/Member
Time Table Committee	Member
Library Committee	Member
Attendance Committee	Member
Degree Admission Work, SVU Result Assessment Work, Uploading of Online SVU Degree Exam Application ,Uploading of Degree Internal and Practical Marks	Member

ANNEXURE- I

Research Papers Published :

2022

1. P. Bhargavi., Triveni, B. and S. Jyothi." **Analysis of Shoulder Pain through Protein Sequencing using Deep Learning Techniques"**, NeuroQuantology , Sep 2022 ,Volume 20,Issue10 |,Page 5472-5482|,doi: 10.14704/nq.2022.20.10.NQ55525

2. P. Bhargavi., Triveni, B. and S. Jyothi. " **Shoulder Pain Analysis through EHR data using Hybrid algorithm"**, International Journal of Special Education, ISSN 0827 3383,Vol.37, No.3, 2022.

3. Triveni, B., P. Bhargavi and S. Jyothi." **Deep Feature Extraction of MRI Image– A Reliable Tool for Shoulder Pain Analysis** ",IT in Industry, Vol. 9, No.3, 2021, ISSN (Print): 2204-0595, ISSN (Print): 2204-0595, Published Online 30-Dec-2021.

2021

4. Triveni, B., P. Bhargavi and S. Jyothi. "**Diagnosis of Shoulder Pain using Multi Type Data: A Study"**, Paideuma Journal, ISSN NO : 0090-5674, Vol XIV Issue 3,Page No 36-43, DOI: 11.3991/Pjr.V14I3.85804,March 2021.

2020

5. Triveni, B., P. Bhargavi. "**Prediction of Therapeutic Data Analytics: Analysing the Mode of Pain in Periarthritis Shoulder Using Apache Pig with Hadoop."**,TEST,ISSN:0193-4120,Volume 83, ISSN:0193-4120, May-June 2020.

6. Triveni B., Bhargavi P., Jyothi S. (2020) **Automated Diagnosis of Shoulder Pain Using Regression Algorithms.** In: Jyothi S., Mamatha D., Satapathy S., Raju K., Favorskaya M. (eds) Advances in Computational and Bio-Engineering. CBE 2019. Learning and Analytics in Intelligent Systems, vol 15. Springer, Cham. https://doi.org/10.1007/978-3-030-46939-9_44.

2017

7. Triveni, B., P. Bhargavi and S. Jyothi. "**A Survey on Big Data Techniques in Medical Field."** (2017),   International Journal of Engineering and Advanced Technology(IJEAT), ISSN: 2249 – 8958,Volume-1 Issue-2,Page No146 -149,December 2017.

Research Papers Presented:

1. Presented a paper on "**Shoulder Pain Analysis through MRI Image using Deep Feature Extraction Techniques**" in AAI2021 organized by DST-CURIE-Artificial Intelligence Centre, Sri Padmavati Mahila Visvavidyalayam (Women's University),Tirupati, AP, India held during 11th & 12th November 2021.

2. Presented a paper on "**Prediction of Therapeutic Data Analytics: Analysing the Mode of Pain in Periarthritis Shoulder Using Apache Pig with Hadoop**" in the virtual National Conference on Artificial Intelligence-current Trends & Applications organized by SPMVV,Tirupati,AP, India held during 27th and 28th March 2020.

3. Presented a paper on "**Automated Diagnosis of shoulder pain using Bigdata Analytics**" in the International Springer Conference on Computational and Bio-engineering jointly organized by Department of Computer Science, Bio Sciences & Sericulture,SPMVV,Tirupati,AP,India held during 27th& 28th December 2019.

Conferences/Seminars/ workshops attended:

Conferences

2020

1. Participated in the **International E-Conference** on "*Challenges in Virtual Teaching for Students from Tribal Areas*" organized by Central Tribal University of Andhra Pradesh, Vizianagaram & University College of Education, Adikavi Nannanya University, and Rajamehendram viral from 16th to 18th December 2020.

2. Presented a paper on "**Prediction of Therapeutic Data Analytics: Analysing the Mode of Pain in Periarthritis Shoulder Using Apache Pig with Hadoop** in the virtual National Conference on Artificial

Intelligence-current Trends & Applications organized by SPMVV,Tirupati,AP, India held during 27th and 28th March 2020.

3. Participated in the National Level Virtual **Conference** on "***E-Education,E-Learning,E-Management and E-Business(NC4E)***" organized by TechGuru Education Services Group in association with IJEEEE.The Conference E-Proceedings published with the ISBN number 978-93-5419-480-1 from November 6th to 8th 2020.

2019

4. Presented a paper on **Automated Diagnosis of shoulder pain using Bigdata Analytics** in the International Springer Conference on Computational and Bio-engineering jointly organized by Department of Computer Science, Bio Sciences & Sericulture,SPMVV,Tirupati,AP,India held during 27th& 28th December 2019.

2017

5. Presented a paper on **Physiotherapic Analysis using Bigdata Techniques** in International Conference on "Innovative Applications in Engineering and Information Technology" IAEIT-2017 organized by Sri Padmavati Mahila Visvavidyalayam(Women's University) held on 1st and 2nd February 2017

6. Participated in the ***104thIndian Science Congress*** Association organized by S.V.University, Tirupati during January 3rd to 7th 2017.

Workshops

2020

7. Participated in the FIVE days **National E-Workshop** on " *Linux Fundamentals* " organized by Department of Information Technology ,Women's College, Agartala, Tripura from 3rd to 8th December 2020.

8. Participated in the Online **Inter-National Level FDP Workshop** on "***CCEs through Google Classroom***" organized by Dr D y Patil Institute of Management Studies,Pune on 6th November 2020.

9. Participated in the Five Days Online **National Workshop** on "***The Seven Assessment Criteria for NAAC Accreditation***" Organized by

IQAC,V.S.R&N.V.R College, Tenali in Collaboration with Government College for Women, Guntur from 27th to 31st October, 2020.

10. Participated in the Online **State Level Workshop** on "***Ethics in Research and Scholarly Publication***" held on 4thAugust 2020 organized by RANI CHANNAMMA UNIVERSITY, BELAGAVI, Karnataka state, India.

11. Participated in the Online **Workshop** on "***Online Lecture Series on IoT and its Applications***" held from 3rd to 7thAugust 2020 organized by Department of Information Science and Engineering, VVCE, Mysuru.

12. Participated 3 Days Virtual **Workshop** on "***Research Writing Effectively, Efficiently & Expeditiously: Exploring Advance Features of MS Word***" from 23rd to 25th of July, 2020 organized by Khalsa College for Women Sidhwan Khurd (Ludhiana)

13. Participated in the 3 Days Virtual **Workshop** on "***Applications of Deep Learning***" organized by Department of information Technology ,Faculty of Engineering & Technology ,Annamalai University from 08.07.2020 to 10.07.2020.

2019

14. Participated in One Week Hands On Workshop on " ***Machine Learning Algorithms and Smart Applications*** " organized by SSIIE-TBI , SPMVV, Tirupati from 25th to 30th January 2019.

2018

15. Participated in Three Day Level hands On Workshop on "***Big Data Analytics & IOT***" organized by SSIIE-TBI, SPMVV, Tirupati from 27th to 29th April 2018.

16. Participated in DST-CURIE sponsored Two Days Hands on Workshop on "***LATEX***" organized by Applied Mathematics and Computer Science on 28th& 29th March 2018 at SPMVV, Tirupati.

17. Participated in the Pre Conference National Hands on Workshop on "***Machine Learning and its Applications** organized by* Department of Computer Science and Systems Engineering, Sree Vidyaniketan Engineering College, Tirupati on 3rd January 2018

Seminars/Webinars

2021

18. Participated in One Day National Webinar on 08-03-2021 on "**Srimathi Udyogini"** organized by Women Empowerment Cell in collaboration with IQAC,SR & BGNR Government Arts & Science College, Khammam ,Telangana.

19. Participated in the International Webinar on "**Gender Diversity in Science**" organized on 9th February 2021 by Govt. Girls P.G. College ,Ujjain, Internal Quality Assurance Cell and Association of Chemistry Teachers, Homi Bhabha Center for Science Education (TIFR) Mumbai under Global Women 's Breakfast 2021.

20. Attended a One Day **National Webinar** on "*Documentation and Report Writing for NAAC Accreditation*" organized by IQAC of Govt. Girls P.G., Ujjain on 15th January 2021.

2020

21. Participated in **National Webinar** on "*Effective and efficient writing of research papers for the web of science, Scopus indexed journal and Conference papers using typeset Research studio*" organized by Vidyavardhaka College of Engineering, Mysure, Karnataka & Nexus Global EduTech, Bengaluru on 29th Dec 2020.

22. Participated in the **National Webinar** on "*Block chain Technology-Concepts, Security & Real Time Applications*" organized by the Department of Computer Science, Dr.M.G.R.Educational and Research Institute,Chennai-600095,Tamilnadu,India on 19.12.2020.

23. Attended the **National Webinar** presentation (of one and half hour) on "*NAAC ACCREDITATION: STRATEGIES FOR OPTIMIZING INSTITUTIONAL PERFORMANCE*" organized by the Internal Quality Assurance Cell, Narasinha Dutt College, dated 9thDecember, 2020, presented by Dr. N. S. Dharmadhikari, Eminent Educationist, Member UGC & NAAC.

24. Participated in the **National Webinar** on "*The Convergence of eCommerce & Digitalization in the New Reality*" organized by the

Department of Computer Science, Dr.M.G.R. Educational and Research Institute,Chennai-600095,Tamilnadu,India in collaboration with IIHRD on 27.11.2020.

25. Participated in the **Panel Discussion** on" *Atmanirbhar Bharat- Vocal for Local, Make In India for the world*" jointly organized by the Department of Computer Science & Office of International Relations, Dr.M.G.R. Educational and Research Institute,Chennai-600095,Tamilnadu,India on 12.11.2020.

26. Participated in the **Two Days International Virtual Seminar** on "*Industry 4.0 – The Digital Convergence*" organized by Department of Computer Science, Computer Applications and Computer Technology & IT, Kongu Arts and Science College, Erode, Tamil Nadu on 06.11.2020 and 07.11.2020.

27. Participated in the **National Webinar** on "*Machine Learning-Beyond the hype*" organized by the Department of Computer Science, Dr.M.G.R. Educational and Research Institute,Chennai-600095,Tamilnadu,India in collaboration with IIHRD on 20.11.2020.

28. Participated in the **Webinar** on "*Women Cancer: Cause and Cure*" organized by Indu's Academy of Biology and Medicine on 17th November 2020.

29. Attended the **International Webinar on "*Take Right Decision Make Great Life!*"** Organized by Departments of Women's Studies, Law and Education, Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati on 17th November, 2020.

30. Attended the **Webinar** on "*Infant Brain MR Images Analysis*" organized by Department of CSE, Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi on 12-11-2020.

31. Participated in the **Webinar** on "*Ethical AI and Social Media Noise* "organized by Bharati Vidyapeeth(Deemed To Be University) ,New Law College, Pune on 30th October 2020.

32. Participated in the **International Webinar** on "*Artificial Intelligence in Bioinformatics*" organized by the Department of Computer

Applications, Holy Cross College of Management and Technology, Idukki, Kerala, India on 30-10-2020.

33. Participated in the **National Webinar** on "*AI and Data Science: An Analytic Approach*" organized by the PG Department of Computer Science, Ansar Women's College, Perumoilavu on 28th October 2020.

34. Participated in the **National Level Webinar** on **" *Natural Language Processing*"** organized by the Department of Computer Science, Dr.M.G.R. Educational and Research Institute,Chennai-600095,Tamilnadu,India on 05.10.2020.

35. Participated in the **International Webinar** on "*Role of Artificial Intelligence in Customer Experience*" organized by the Department of Computer Science, Dr.M.G.R. Educational and Research Institute,Chennai-600095,Tamilnadu,India on 21.10.2020.

36. Participated in the **National Seminar** on "*Quality Metrics in Higher Education*" organized by the Internal Quality Assurance Cell, RBVRR Women's College, Narayanguda, Hyderabad, on 13th October 2020.

37. Participated in **National Webinar** on "*Covid – 19 Pandemic Scenario - Issues and Challenges for Social Work Professionals*" organized by SPW Degree and PG College, Tirupati on 6th October, 2020.

38. Participated in the Two days **National Webinar** on "*Recend Trends & Applications in Electronics and Communications*" organized by the Department of Mathematical Science, Sree Vidyanikethan Degree College, Tirupati during 3rd and 4th September 2020.

39. Participated in the **National Level Webinar** on "*Block chain Technology and Its Applications*" organized by the Department of Computer Science, Dr.M.G.R. Educational and Research Institute, Chennai-600095,Tamilnadu,India on 24.08.2020.

40. Attended the **National Webinar** on "*NAAC Assessment and Accreditation Process and Awareness about the NEP 2020*" Organized by IQAC, Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati in Association with NAAC, Bengaluru on August 26th, 2020.

41. Participated in the Online **Webinar** on "*Pandas for Data Analytics*" conducted by Department of MCA, Nitte Meenakshi Insititute of Technology,Banglore on 17th August 2020.

42. Participated in a **National Level Webinar** presented by Dr. Viraj Kumar, Visiting Professor, Divecha Centre for Climate Change, IISc, Bangalore, titled "*National Education Policy 2020 - A Review*" on 14th August 2020, organized by Faculty Research Cell - Samshodhana, School of Commerce, JAIN(Deemed-to-be University), Bangalore.

43. Participated in the **Webinar** on the occasion of "*Sri Krishna Janmashtami* "on 12th August, 2020 organized by Department of Telugu & Sanskrit, S.G.S. Arts College, TTD, Tirupati.

44. *Participated in National* Level Webinar *on* "*Introduction to Web Application Development*" on 10th August 2020 organized by Department of Computer Science & Engineering in Association with Tech-Fortune Technologies, Bengaluru.

45. Participated in **National Webinar** on "*SCHOLARLY INFORMATION RESOURCES IN TEACHING, LEARNING AND RESEARCH*" organised by St. John's College of Education, Palayamkottai on 06th August 2020.

46. Participated in the One Day **National Webinar** on "*Security and Privacy Concerns in Online Teaching -Learning*" Organized by Internal Quality Assurance Cell of our College, held on 5 August 2020.

47. Participated in the **National level Webinar** on "*Be A Reflective Teacher*" organized by St.John's College of Education, Palayamkottai, Tirunelveli District on 4th August 2020.

48. Participated in a **Webinar** on "*Introduction to Mendeley* - *A Reference Management Software Tool*" organized by Sarojini Mohan Academy for Research and Training (SMART), Bengaluru in association with the Department of Civil Engineering, Don Bosco Institute of Technology, Bengaluru on 1stAugust, 2020.

49. Participated in the **National Webinar** on "*Social Entrepreneurship Opportunities & Challenges*" jointly organized by the Department of Computer Science & Office of International Relations, Dr. M. G. R.

Educational and Research Institute,Chennai-600095,Tamilnadu,India on 28.07.2020.

50. Participated in the **Webinar** on "***Introduction to Computer Vision and its Applications***" on 20.07.2020 organized by Stella Mary's College of Engineering, Arthuthengan villai, Tamil nadu.

51. Participated Webinar on "***Cloud Computing :The Technology of Inspiration***" on 18.07.2020 organized by Department of CSE,SRM Institute of Science & Technology ,Ramampuram Campus, Chennai.

52. Participated in the **International Webinar** on "***Data Science and its uses in Life Science***" jointly organized by the Department of Computer Science & Office of International Relations, Dr. M.G.R. Educational and Research Institute,Chennai-600095,Tamilnadu,India on 18.07.2020

53. Participated in the One Day **International Webinar** on "***COVID-19: Solutions with AI/ML***"organized by SG Govt. Degree, Piler on 10th July 2020.

54. Participated in the **National Webinar-I** on "***Mentoring Teachers for Effective Online Teaching***" organized by Department of Commerce, Daulat Ram College, University of Delhi, held on July 4, 2020.

55. Participated in the **Webinar** on "***Cloud Security-Common Vulnerabilities and ways to address them***" on 2nd July 2020 organized by St. Joseph's Institute of Technology, Chennai.

56. Attended the **National Webinar** on "***Savvy on IPR -Spur the Research and Shields your Innovation***" organized by Department of Law in association with IQAC , Sri Padmavathi Mahila Visvavidyalayam , Tirupati on January 9th 2020.