



S.ROJA
ASSISTANT PROFESSOR
of
COMPUTER SCIENCE

Contact

Address : **Centre for Distance and Online Education**
Bharathidasan University
Tiruchirappalli – 620 024
Tamil Nadu, INDIA

Employee Number : **BDU1770937**

Date of Birth : **14-06-1977**

Contact Phone Number (Office) : **+91 431-2407054**

Contact Phone Number (Mobile) : **8300370465, 9600765513**

Contact mail(S) : srojasanth@bdu.ac.in
rojivasanth71@gmail.com

Academic Qualifications : M.E.,(Ph.D)

Additional Qualifications : M.I.S.T.E.,

Life member of Indian Society for Technical Education (ISTE), LM 31729

Teaching Experience : 22 Years & 6 Months

Research Experience : 18 Years

Areas of Research

Big data Analytics, Machine Learning, Data Mining

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	-
	PG	42	--

PG Project Fund

- Received Total Budget :Rs.7500/- for the PG Project entitled “Automated Gas Leakage Detector and Alert System” – EEE - 058 from the Funding Agency Tamilnadu State Council for Science and Technology, Chennai during March 2020

Awards Received

- Received the International Award for **BEST HEAD OF THE DEPARTMENT** for the outstanding best practices and contribution in the field of academics and research organized by CST Achievers Award 2022 by Chennai SofTech
- Received the Award **AASIRIYACHIRPI** from the JUNIOR CHAMBER INTERNATIONAL
- Received the **BEST NSS PROGRAMME OFFICER** For The Year 2019-2020
- Cultural Co-Ordinator for the BARD FEST’2018 & received the shield for RALLY.

Publications in UGC-Care/Refereed Journals

International		National		Others
Journals	Conferences	Journals	Conferences	Books
8	1			1

International Journal

- S.ROJA, “Optimized Artificial Neural Network Classifier For The Prediction Of Rainfall”, Dickensian Journal, Volume 22, ISSN – 0012-2440, JUNE 2022 **AN UGC CARE GROUP – II**
- S.ROJA, “Big Data Analysis For Weather Forecasting And Prediction For Scalability Reports”, International Journal Of Engineering And Techniques – IJET, Volume 4, ISSN : 2395 – 1303, 179-184, JULY – AUGUST – 2018
- S.ROJA, “An Importance Of Machine Learning Techniques In The Prediction Of Rainfall – A Literature Review”, International Research Journal Of Management, Science & Technology, Volume – 13. ISSN – 2250 – 959 (O) 2348 – 9367 (P), APR, 2022
- S.ROJA, “An Information Gain With Optimization Based Feature Selection Method”, GIS Science Journal, Page No: 145-160, DOI:20.18001.GSJ.2022.V9I10.22.40155
- S.ROJA, Paper ID : IJET-V912P39 “Sentimental Analysis for Assessing Depression of Post Covid Patients on Social Media in Indian Scenario”, International Journal of Engineering and Techniques, Volume9 Issue2, August 2023
- S.ROJA, ID 7725 – “Emotion-Driven Sentiment Analysis for Post-COVID Patients” has been published in the Volume 5, Issue 5 (September-October 2023) International Journal For Multidisciplinary Research, E-ISSN: 2582-2160 , Impact Factor: 9.24 A Widely Indexed Open Access Peer Reviewed Multidisciplinary Bi-monthly Scholarly International Journal

7. S.ROJA, Dr.M.DURAIRAJ, “Performance of Machine Learning Models in Predicting Sentiments of Post-Covid Patients” International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 10 November 2023 **SCOPUS**
8. S.ROJA, Dr.M.DURAIRAJ, “Sentiment Analysis of Post-Covid Patients on Social Media by Predictive Modeling” International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 10 November 2023 **SCOPUS**

International Conference

- Presented a paper entitled “Speech Recognition Technologies of mobile device and wireless communication technologies using computer remote control system” in “6th International Conference on Transition from Inertia to implementation I⁴ Individual Industry India International in a global perspective” on 13.09.2014 at Adaikalamatha Institute of Management, Adaikalamatha College, Vallam, Thanjavur.

Books

- Bridge Course Material entitled Programming in C and C++

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

Number of Seminars : 15; Number of Workshops: 13; Number of Events: 7

1.	<p>JUNE 2009 – JUNE 2010</p> <ul style="list-style-type: none"> • A technical seminar on “Tally Package” was conducted from 23/09/2009 to 24/09/2009. Prof. V.Periyasamy, Department of Commerce, Urumu Dhanalakshmi College, Trichy delivered a lecture on Tally. • Organized one day technical seminar on “Emerging software technologies” held on 10/3/2010 with Mr.Asokan Ganapathy, Chairman (ACSTRA), Chennai was the resource person in BDUC (W), Orathanadu
2.	<p>JUNE 2010 – JUNE 2011</p> <ul style="list-style-type: none"> • A workshop on “Tally-Accounting Package” was conducted on 01/03/2011.Ms.A.Charumathy,CIBI Consultant was the resource person. • A workshop on “Multimedia Technologies” was conducted on 03/03/2011.Mr.V.Thanigairajan,CREX Technology was the resource person
3.	<p>JUNE 2011 – JUNE 2012</p> <ul style="list-style-type: none"> • A workshop on “PHP and .NET” was conducted on 18/08/2011.Mrs.A.Rathi Jayanthi was the resource person
4.	<p>JUNE 2012 – JUNE 2013</p> <ul style="list-style-type: none"> • Mr.E.Silambarasan, Assistant Professor, Department of Computer Science, MARCET, Trichy delivered a technical lecture on “Pervasive Computing” on 29th April 2013.
5.	<p>JUNE 2013 – JUNE 2014</p> <ul style="list-style-type: none"> • Organized a workshop entitled on “Android Application Development” on 27th Sep 2013 by Prof.T.Muthamilselvan as resource Person. • Organized One day Technical Seminar on “Genetic Algorithm in Web Mining” on 7.10.2013 by Mr.E.Silambarasan, Asst.Professor, CSE, Saranathan College of Engineering, Trichy. • Organized a technical seminar on “Natural Language Processing” on 11/04/2014 by Prof.R.Poonguzhali, Department of Computer Science,

	Periyar Maniammai University, Vallam as resource person
6.	<p>JUNE 2014 – JUNE 2015</p> <ul style="list-style-type: none"> Organised a technical lecture entitled on “Parallel Processing” on 25.02.2015 by Dr.S.Kumaravel, M.Sc.,M.Phil.,Ph.D, Associate Professor, Department of Computer Science, A.V.V.M.Sri Pushpam College (Autonomous), Poondi as resource person. Organizer for the Annual Day function of our College held on 27.02.2015 with Dr.V.M.Muthukumar, Vice-Chancellor & Honble.R.Vaithilingam, Minister of as Chief Guest. Organised a technical lecture entitled on “Mobile Ad-hoc Networks” on 19.03.2015 by Dr.N.Vetrivelan,Ph.D.,Director & Associate Professor, Department of Computer Science & Applications, Periyar Maniammai University, Vallam as resource Person.
7.	<p>JUNE 2015 – JUNE 2016</p> <ul style="list-style-type: none"> Organised a Technical Seminar entitled on “Cloud Computing” on 05.10.2015 by Mr.E.Silambarasan, Asst.Professor, CSE, Saranathan College of Engineering, Trichy as resource Person. Organised the “National level Technical Seminar on Network and Mobile Security (NSONMS’16) on 01.03.2016 Organised the “National level Technical Seminar on Computing Technologies (NSOCT’16)” on 31.03.2016 with Dr.Velmurugan, HOD, CSE, Anjalai Ammal Mahalingam Engineering College, kovilvanni and Dr.M.Durairaj, Assistant Professor, School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy as resource person.
8.	<p>JUNE 2016 – JUNE 2017</p> <ul style="list-style-type: none"> Organised the “Two Days National Level Workshop on Emerging Tools”(NWOET’16) during 29.08.2016 & 30.08.2016. Organised the International Seminar entitled on “Future Programming Languages” (ISOFP’17) on 23.01.2017 with Mr.G.R.Kamal Raj, Senior Project Manager, HCL Technologies, Singapore as resource person Organised the One Day Technical Seminar entitled on “Clustering, Regression and Decision trees in Data Mining” with Dr.M.Deepamalar, Assistant Professor, PG & Research Department of Computer Science, Parvathy’s Arts & Science College, Dindigul on 16.03.2017. Organised the One Day Technical Seminar entitled on “Emerging Trends in Information Technology” on 24.03.2017 with Dr.E.George Dharma Prakash Raj, Assistant Professor, School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy as resource person. 15 different types of competitions were conducted and 80 (I, II, III) prizes & certificates distributed to the winners and class representatives.
9.	<p>JUNE 2017 – JUNE 2018</p> <ul style="list-style-type: none"> Organized Industrial visit to ISRO, Trivandrum From 29.08.2017 to 02.09.2017. Organized the “One Day Technical Seminar on Big data” with Prof.M.HEMAMALINI, M.C.A.,M.Phil.,SET.,(Ph.D), Assistant Professor, Department Of Computer Science, A.V.C College (Autonomous), Mannampandal, Mayiladuthurai as resource person on 04.01.2018. Conducted a “Technical Workshop on R Programming Tool” with Dr.G.KUMARAVELAN Assistant Professor, Department of Computer Science – Karaikal Campus, School of Engineering & Technology, Pondicherry University,

	<p>Pondicherry as Resource person 05.01.2018.</p> <ul style="list-style-type: none"> Organized the Technical Workshop on “Python Programming Tool” with Mr.G.PARTHASARATHY Assistant Professor(Sr.G), Department of Computer Science & Engineering, TRP Engineering College, Trichy as Resource person on 06.02.2018 Conducted various events such as Debugging, Dump Charades, Ad-Zap, Speech, Essay Writing, Poetry, Hair Dressing, Fashion Show, Painting, Fireless Cooking, Mehendi, Rangoli, Things Out of Waste, Singing, Flower Arrangement, Short Film, Solo Dance for the PG & UG Computer Science & Computer Applications students and Dr.N.SUMATHI Principal & Director, Adaikalamatha Institute of Management, Vallam, Thanjavur has acted as a resource person and delivered a lecture on “Women’s Managerial Skills” and distributed the prizes to our students on 26.02.18.
10.	<p>JUNE 2018 – JUNE 2019</p> <ul style="list-style-type: none"> Organised Technical Workshop on “ Human Computer Interacion” with Dr.R.SIVAKUMAR, Associate Professor & Head, Department Of Computer Science, A.V.VM.Sri Pushpam College, Poondi as Resource person on 28.02.2019, 20 types of competitions were conducted from 19.02.2019 to 27.02.2019 and prizes distributed on 28.02.2019 Organised Technical Workshop on “ MATLAB” by Dr.M.Vanitha, Assistant Professor, Department of Computer Applications, Alagappa University, karaikudi on 27.02.2019
11.	<p>JUNE 2019 – JUNE 2020</p> <ul style="list-style-type: none"> Conducted a One Day Technical Workshop on “IOT with Embedded Systems” with Mr.RAJESHWARAN B.E., Hardware Developer cum Programmer, Logiczen, Thanjavur as resource person on 10.10.2019.
12.	<p>JUNE 2023 – JUNE 2024</p> <ul style="list-style-type: none"> Successfully taken part as an Organizing Member in the Tamilnadu State Council for Higher Education (TANSCHÉ) sponsored One-Day National Seminar on “Artificial Intelligence and ChatGPT” Organized by the School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy held on 28.07.2023

Events Participated

Orientation Programme : 1; Refresher Course : 4; Faculty Development Programmes : 10

Quiz : 22; Webinar : 18; Seminars : 4; Conferences : 2; Workshops : 15; Events : 24

1.Participated in 68th **Orientation Programme** from 27.01.2011 to 23.02.2011 held at UGC - Academic Staff College, Bharathidasan University, Tiruchirappalli. (28 Days)

1.Participated in **Refresher Course** in Computer Science from 20.11 2012 to 10.12.2012 held at UGC - Academic Staff College, Bharathiar University, Coimbatore. (21 Days)

2.Participated in **Refresher Course** in Computer Science from 03.11.2017 to 23.11.2017 held at UGC – HRDC, Pondicherry University, Pondicherry. (21 Days)

3.Attended the UGC-Sponsored Online **Refresher Course** in Environmental Sciences (Multidisciplinary), organized by the UGC-Human Resource Development Centre, Bharathidasan University from 24.02.2021 to 09.03.2021 (14 Days) on Google Meet

4.Attended the UGC-Sponsored Online **Refresher Course** in Inclusive Education (Multidisciplinary), organized by the UGC-Human Resource Development Centre, Bharathidasan University from 07.02.2023 to 20.02.2023 (14 Days)

JUNE 2009 – JUNE 2010

- Participated in Regional conference on “E-waste management” held in Bharathidasan University Trichy on 04/03/2010
- Participated in the first annual workshop on “Research areas in Computer Science” held on 9/4/2010 at Bharathidasan University Technology Park, Trichy.

JUNE 2010 – JUNE 2011

- Participated in the workshop on “Web Technologies” on 16/3/2011 at BDUC, Perambalur

JUNE 2011 – JUNE 2012

- Participated in the National Seminar and Workshop on “Research challenges in Wireless Sensor Networks” during 12-13 August 2011 at Periyar Maniammai University.
- Participated in UGC sponsored SAM Residential Workshop on “Capacity Building of Women Manager in Higher Education” from 6/2/12 to 10/2/12 at Providence College for Women, Coonoor.
- Participated in the UGC sponsored short-term workshop on “Disaster Management” from 26/3/2012 to 28/3/2012 held at UGC Academic Staff College, Tiruchirappalli
- Attended the one day workshop on “Software Testing Tools (WSTT’14)” on 20/09/2014 at Anna University, Bharathidasan Institute of Technology, Trichy – 24.

JUNE 2014 – JUNE 2015

- Participated in the two days UGC Sponsored state level technical workshop on Knowledge Discovery with WEKA organized by PG Department of Computer Science during 30.01.2015 & 31.01.2015 at Kunthavai Naachiyar Govt. Arts College for Women (Autonomous), Thanjavur.

JUNE 2015 – JUNE 2016

- Participated in the National Level Workshop on “Web Development with Mobile Compatibility” on 30.09.2015 at Bharathidasan University Constituent College, Perambalur.
- Participated in the One day “World Class Curriculum in Computer Science – Consultative Workshop” jointly organized by Department of Computer Science & Engineering and CCCD, Bharathidasan University, Trichy on 16.02.2016.
- Participated in the Two Days International Workshop on “Big Data Visualization and Graph Databases” held during 24th -25th February 2016 at Anna University, BIT Campus, Trichy.
- Participated in the One Day workshop on “Android Application Development” conducted by the Bharathidasan University, Khajamalai Campus, Trichy on 22.03.2016

JUNE 2016 – JUNE 2017

- Participated in the Two Days International Workshop on “Impulse Noise Reduction in Image Processing Using MATLAB” organized by the Adaikalamatha Institute of Computer Applications from 19.08.2016 to 20.08.2016.
- Participated in the One Day Seminar on “Data Mining and Machine Learning Algorithms” on 18.02.2017 organized by the Department of Computer Science, Bharathidasan University Constituent Arts & Science College (Co-Ed), Srirangam (Tk).
- Participated in the One Day National Level Workshop on “Hadoop and NoSQL Database conducted in association with IIPC on 24th February 2017 at Kongu Engineering College, Perundurai, Erode.

JUNE 2017 – JUNE 2018

- Participated in the International Workshop on “World Class Curriculum Design for Computer Science” (WCC-2017) organized by the Department of Computer Science & Engineering, Bharathidasan University, Khajamalai Campus, Trichy on 28.07.2017.
- Attended the Refresher Course in Computer Science in Pondicherry University, Pondicherry from 03.11.2017 to 23.11.2017.
- Attended the “One Day National Conference on Recent Trends in Big-data” Organized by the PG & Research Department of Computer Science, Marudupandiyar College, Thanjavur on 21.03.2018.

JUNE 2018 – JUNE 2019

- Participated in International Seminar on Advanced Learning Technologies at Bon Secours

College for Women, Thanjavur on 12.2.2019.

JUNE 2019 – JUNE 2020

- Participated in the Two Days UGC – Auto Grant Sponsored National Seminar on “Emerging Trends in Computer Science” at Government College for Women (Autonomous), Kumbakonam between 13.07.2019 & 14.07.2019. (2 Days)
- Participated in the “One Day National Level Workshop on Python and Mat Lab” Organized by the PG & Research Department of Computer Science and Department of Computer Applications, Marudupandiyar College, Thanjavur on 22.08.2019. (1 Day)

JUNE 2023 – JUNE 2024

- Attended the National Level Online Faculty Development Programme on “Research Advances in Soft Computing Techniques and Machine Learning” organized by the Department of Computer Applications from 07.08.2023 to 11.08.2023

Administrative Experience:

College/University/Institution:

Bharathidasan University Constituent College for Women, Orathanadu

- Head of the Department from the year 2009 to 19.12.2022 for the PG Department of Computer Science and Applications (B.Sc (Computer Science), BCA, MCA, M.Sc (Computer Science))
- **College Nodal Officer**
- **Computer Literacy Programme Co-ordinator**
- **Youth Red Cross Programme Officer**
- **Cultural Co-Ordinator**
- **NSS Programme Officer**
- **Training & Placement Officer**
- **Convenor** for the POLICE CYBER CLUB
- **Plastic Free Zone Co-Ordinator**
- **Convenor** for the College Calendar Handbook 2019-2020
- Co-Ordinator for the Independence Day Celebrations
- Co-Ordinator for the Republic Day Celebrations
- Convenor for creating email id govtartscollegeond@gmail.com
- **Chief Superintendent** for the UG & PG Bharathidasan University Theory & Practical Examinations and Correspondence Course Examinations for the NOV-2019
- Appointed as **Chief Invigilator** for the TNPSC Examinations- Competitive Examinations for the post of **Combined Civil Services Examination -4 (GROUP-4)** held on 01.09.2019.
- **Chief Superintendent** for the Mother Teresa Women’s University, Kodaikanal M.Phil Entrance Examination (Part-Time) held on 03.11.2019
- **Admission Committee Member** for UG & PG from 2009-2022 of the College
- **Admission Committee Member** for UG & PG from 2009-2022 of the Department
- **Discipline Committee Member** for the College from 2009-2022
- **Question Paper Setter** for the Internal Theory & Practical Examinations of UG & PG (Computer Science & Computer Applications)
- **Examiner** for the Internal Theory & Practical Examinations of UG & PG (Computer Science & Computer Applications)
- **Examiner** for the Internal Theory & Practical Examinations(odd & Even Semester) Valuation of UG & PG (Computer Science & Computer Applications)
- **External Examiner** for Bharathidasan University Practical Examinations

- **Invigilator** for Internal Theory & Practical Examinations of UG & PG (Computer Science & Computer Applications)
- Appointed as **Additional Chief Superintendent**, Bharathidasan University Examination at our college during April 2011
- Conducted **SUITS-2011-12 Examination** during 5/3/12 to 9/3/12 appointed by IECD, Bharathidasan University, Trichy
- Appointed by IECD as **Chairman of the passing board** of SUITS 2011-12 examination
- Attended Confidential work at the Commission's Office, **TAMILNADU PUBLIC SERVICE COMMISSION** from 01.08.2016 to 03.08.2016.
- **External Examiner** for Bharathidasan University Paper Valuation
- **Organizer** for the Annual Day function of our College held on 27.02.2015 with Dr.V.M.Muthukumar, Vice-Chancellor & Honble.R.Vaithilingam, Minister of as Chief Guest.
- Organised **Industrial visit** to the students to ISRO, Trivandrum during the academic year 2017, 2018, 2019, 2022
- Handled Remedial Classes(**RC**)
- Career Counseling (**CC**)
(Counselling to B.Sc (CS),M.Sc (CS), BCA(A&B),MCA Final year Students)
- Handled Student Seminar

Co-curricular activities:

- Organised 5 Days Training Programme on “ Awareness Programme on Soft Skill Development, Yoga, Interview Techniques, Developing Self Confidence, Self defence to our college students from 10.9.18 to 14.9.18
- Organised “Workshop On Confidence Programme” with Mr.R.Karthi, Mrs.A.Sudha B.E.,M.S(U.K), Educational Trainer, Hindustan Unilever Ltd., from 5.2.19 to 6.2.19
- Organised “Vazhkai Vazhikatti” Programme with Employment Officers and Chief educational Officer on 26.2.19
- Organised “ Career Guidance Programme” on 28.2.19
- Organised Soft Skill Development Programme on 21.3.19
- SCOPE ON HIGHER EDUCATION on 27.3.19
- Member of Organizing Committee for the one day National Seminar on “Technology Enabled Learning in Distance and Online Education” organized by the Centre for Distance and Online Education of Bharathidasan University, Trichy held on 29.11.2023
- Successfully completed the **ORIENTATION COURSE** for NSS Programme Officers at Empanelled Training Institution (ETI) – Madras School of Social Work, Chennai from 12.09.2019 to 18.09.2019 (7DAYS).

Resource persons in various capacities

- Delivered a Presidential address in the technical lecture entitled on “Modern Cryptography Algorithms” on 13.02.2015 by Dr.K.Mani,M.C.A.,M.Phil.,M.Tech.,Ph.D, Associate Professor, Department of Computer Science, Nehru Memorial College, Puthnampatti, Trichy as resource person.
- Acted as Chief Guest for the State Level Technical Meet TECHIES'15 conducted by the Department of Computer Science, Tamilavel Umamaheswaranar karanthai Arts & Science College, Karanthai, Thanjavur on 17.03.2015
- Chief Guest for the One Day technical Symposium “i³ Technoz” on 09.01.2016 at PG and Research Department of Computer Science, M.R.Govt. Arts College, Mannargudi-1.
- Acted as Chief Guest and delivered a talk on “DIGITAL MONITORING SYSTEM” to the NSS Students on 01.02.2017.

- Acted as Chief Guest and delivered a lecture on “MOBILE COMMUNICATION” at the Association meeting of the Department of Computer Science, Annai Vailankanni Arts and Science College, Thanjavur on 06.02.2017.
- Delivered a talk to the NSS Students UNIT – III on 27.03.2017 at Paruthikkottai.
- Acted as Chief Guest and delivered a lecture on “CAREER GUIDANCE PROGRAMME FOR THE XII STUDENTS” to the Headmasters in the Thanjavur Division at St.Antonys Higher Secondary School, Thanjavur on 28.03.2017.
- Acted as Chief Guest and delivered a lecture on “CAREER GUIDANCE PROGRAMME FOR THE X STUDENTS” at Srinivasa Matriculation Higher Secondary School, Orathanadu on 07.04.2017.
- Acted as Chief Guest and delivered a lecture on “CAREER GUIDANCE PROGRAMME FOR THE XII STUDENTS” at London Krishnamurthy Matriculation Higher Secondary School, Orathanadu on 07.04.2017.
- Served as Chief Guest for the “INTER COLLEGIATE SYMPOSIUM – XPLODE’17” held at Auxilium College of Arts & Science for Women, Regunathapuram, Karambakudi Tk., Pudukkottai Dt., 622 302 on 26.08.2017.
- Chief Guest for the International Women’s Day organized by the Women’s Welfare Trust Committee (WMTC), Orathanadu & delivered a talk on “Women’s role in India” on 23.03.2018
- Acted as **Keynote Speaker** for the **International Conference On Advancement In Computing Technology (ICACT 2K20)** organized by the PG & Research Department of Computer Science in Marudupandiyar College, Thanjavur held on 04.03.2020
- **Resource Person** for the **Faculty Development Programme** & delivered a lecture entitled “**Introduction to Data Science (Data Analytics, Life Cycle, Overview and tools used in DS)**” on 11.09.2023 in the “Recent Trends in Data Science” from 11.09.2023 to 15.09.2023 organised by Department of Computer Science & Data Science, Bon Secours College for Women, Thanjavur

THANK YOU