

Name : **Dr. Anand T.R.**  
 Designation : Assistant Professor (SG)  
 Department : Computer Technology  
 Qualification : MCA, M.Phil., SET, Ph.D.  
 Experience : Teaching - 14 years 9 months | Research - 8 years  
 Area of Specialization: Software Testing, Database Systems  
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#### Academic Qualifications

Degree	Branch	College / University	Year of Graduation
Ph.D.	Computer Science	Dr. N.G.P. Arts and Science College	2023
M.Phil.	Computer Science	Sankara College of Science and Commerce	2013
MCA	Computer Applications	KGiSL Institute of Information Management	2008
BCA	Computer Applications	Cardamom Planters' Association College	2004

#### Additional Qualification

Dip. / Cert.	Area of Specialization	Institute / University / Agency Name	Year
SET	Computer Science	Bharathiar University	2012

#### Research Publications (Indexed)

1. T.R. Anand and Dr. B. Rosiline Jeetha, **Software Reliability Modelling with Infinite Testing Effort Function using Machine Learning Techniques**, Design Engineering, Issue 9, pp. 17796-17806, 2021, ISSN: 0011-9342.
2. T.R. Anand and Dr. B. Rosiline Jeetha, **PSO Model for Multi-objective Regression Test Suit Optimization Scenario Based on Test Case Prioritization for Efficiency Enhancement**, Journal of Fundamental & Comparative Research, Vol. VII No. 12(III) pp. 116-129, 2021, ISSN: 2277-7067.
3. T.R. Anand and Dr. B. Rosiline Jeetha, **Initializing the Software Regression Test Pool based on the Functional Dependency and Test Case Dependency**, International Journal of Pure and Applied Mathematics, Vol. 118 No. 9 Special Issue, pp. 123-136, Feb-18, ISSN: 1314-3395.

## Other Publications

1. T.R. Anand and Dr. B. Rosiline Jeetha, **A Survey on Techniques, Frameworks and Metrics in Regression Testing**, International Journal of Computer Science & Engineering Technology, Vol. 7, Issue. 12, pp. 491- 496, -Dec-16, ISSN: 2229-334.
2. T.R. Anand and Dr. B. Rosiline Jeetha, **Bio-Inspired Algorithms and Fuzzy Expert System in Regression Test Case Optimization: A Survey**, Proceedings of the National Conference on Computer Communication and Information Technology, pp. 110 – 112, Sep-16, ISBN 978-1-941505-56-4.
3. Dr. T.R. Anand, Sharmila N, Sandeep Kumar A, Dharini J, **A Study on Empowering Women and Children Safety through IoT Techniques**, Proceedings of the ICSSR Sponsored National Seminar on IOT Cyber Security: Challenges and Solutions for Social and Real-life Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 5-Jan-24.
4. Dr. T.R. Anand and Dr. M. Rathi, **A Study on Voice-assisted Mobile Application for Campus Navigation**, Proceedings of International Conference on Computational Intelligence and Communication Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jan-24.
5. T.R. Anand, **Business Intelligence**, Proc. of the National Conference on Exploring the Technological Advancements in Business – The Future Perspective, Sri Ramakrishna College of Arts and Science, Coimbatore, 13-Sep-23.
6. T.R. Anand, **The Robotic Technology: In Future**, Proceedings of National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.

## Presentation in Conference

1. **A Study on Voice-assisted Mobile Application for Campus Navigation**, International Conference on Computational Intelligence and Communication Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jan-24.

2. **The Robotic Technology: In Future**, National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.
3. **Bio Inspired Algorithms & Fuzzy System in Regression Test case Optimization: A Survey**, National Conference on Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.

#### **Participation in Conference / Seminar**

1. Int. Conference on Computational Intelligence and Communication Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jan-24.
2. Int. Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20.
3. Int. Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.
4. Int. Seminar on Research Methodology, Asan College of Arts and Science, Karur, 5-Oct-16.
5. Conference on Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.
6. Conference on Emerging Education Models for 21st Century Learner, Association of Principals of Colleges of Bharathiar University, Dr. N.G.P. Arts and Science College, Coimbatore, 1-Aug-15.
7. Nat. Seminar on Cybersecurity Awareness and Defense Techniques, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Aug-14.
8. Nat. Conference on Research Issues in Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Feb-14.
9. DST Sponsored Inspire Internship Science Camp, Dr. N.G.P. Arts and Science College, Coimbatore, 21 to 25-Jul-14 and 18 to 22-Nov-13.
10. Seminar on School Education – Some Reflections, Sankara College of Science and Commerce, Coimbatore, 3-Sep-13.

### **Participation in Orientation / Training Programme & Short-Term Course**

1. **Innovation Ambassador Training** (Foundation Level), MoEs Innovation Cell & AICTE, 30-Jun-21 to 30-Jul-21.
2. UGC Sponsored Short Term Course on **Research Methodology**, UGC Human Resource Department Centre, Bharathiar University, Coimbatore, 18 to 24-Jan-18.
3. One day **Sensitization Programme for NSS Programme Officers and Unit Leaders on Disability Management**, Bharathiar University, Coimbatore & UDIS Forum, 20-Jan-12.
4. Training Programme on **Teaching Software Testing Techniques**, Department of Extension and Career Guidance, Bharathiar University, Coimbatore jointly with Prakat Solutions, Bengaluru, 4 to 7-Jan-11.

### **Participation in Faculty Development Programme**

1. **Teaching Strategies - A Pedagogy**, SRM Institute of Science and Technology, Ramapuram, 16th to 22nd February 2024.
2. **Empowering education for innovation - A NEP perspective**, Dr. N.G.P. Arts and Science College, Coimbatore, 30-Jun-23 to 4-Jul-23.
3. **Data Science Specialization using Python** (Online), Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, 19 to 23-Jun-23.
4. **Effective Teaching & Learning Processes**, Yavarum Kelir Skill Development Association jointly with Marudhar Kesari Jain College for Women, Vaniyambadi, 12 to 18-Sep-21.
5. **Research Methodology and Pedagogy for Tertiary Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 15 to 21-Jun-21.
6. **Teaching Learning Enhancement**, Dr. N.G.P. Arts and Science College, Nov-19.
7. **NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, 27-May-19 to 2-Jun-19.
8. **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3 to 9-Dec-18.

9. **Introduction to R Programming**, ICT Academy and Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Aug-18.
10. **Cloud Infrastructure and Services**, ICT Academy - Tamil Nadu and Bharathiar University, Coimbatore collaboratively with EMC2, 23 to 27-Feb-15.

### Participation in Workshop

1. National workshop on **DEVOPS** (online), SRM Institute of Science & Technology, Chennai, 16 to 24-Jun-23.
2. National workshop on **Big Data Analytics in Clinical Research**, Dr. N.G.P. Arts and Science College, Coimbatore, 18 & 19-Mar-21.
3. DBT Sponsored National Workshop on Data Analytics and its applications in Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 14 & 15-Feb-19.
4. Workshop on **MATLAB for Solving Research Problems**, Dr. N.G.P. Arts and Science College, Coimbatore, 31-Jul-17.
5. IEEE Authorship Workshop on **How to Publish a Technical Paper with IEEE**, Coimbatore Institute of Technology, Coimbatore, 25-Oct-16.
6. Workshop on **The Art of Writing Research Paper**, Kongu Engineering College, Perundurai, 19-Dec-15.
7. Two days National level Workshop on **Android Programming**, Bharathiar University, Coimbatore, 20 & 21-Mar-15.
8. **Science Academies' Three Days Lecture Workshop on Current Trends and Directions in Computer Science Research**, Dr. N.G.P. Arts and Science College, 3 to 5-Oct-13.
9. **Science Academies' Two Days Lecture Workshop on Research Issues in Digital Image Processing**, Dr. N.G.P. Arts and Science College, Coimbatore, 25 to 26-Sep-12.
10. **Enhancing Teaching Skills**, MISSION 10X - WIPRO Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 6 to 8-Aug-12.

### Organizing role in Conference / Seminar / Workshop

1. Organizer, **Guest Lecture on Innovation and Startup**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 22-Aug-23.
2. Organizer, **Workshop on Entrepreneurship: A Bharathian Perspective**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 20-Feb-23.
3. Organizer, **Workshop on Entrepreneurial Skills for Youth**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 16-Feb-23.
4. Organizer, **Value Added Session on Financial Literacy**, organized by **BFSI Sector Skill Council** in collaboration with National Centre for Financial Education (NCFE), and Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 17-Nov-21.
5. Organizer, **Online Lecture on Mental Agility and Entrepreneurship**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 7-Jun-21.
6. Organizer, **Online Lecture on Consumer Responsibilities**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 7-Jun-21.
7. Organizer, **Online Lecture on Automation in Software Testing**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jun-21.
8. Organizer, **Online Lecture on IPR and Patenting Strategies**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jun-21.
9. Organizer, **Workshop on Vedic Mathematics for Competitive Examinations**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Mar-21.
10. Organizer, **Workshop on Efficacy of Speaking**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 19-Feb-20.
11. Organizer, **Workshop on Blouse Making**, Center for Skill Development and Department Costume Design & Fashion, Dr. N.G.P. Arts and Science College, Coimbatore, 29&30-Jan-20.
12. Organizer, **Workshop on ABC of Speaking**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jan-20.

13. Organizer, **Workshop on Future Skills** – a **NASSCOM** (IT & ITeS Sector Skill Council) **initiative**, Center for Skill Development, Dr. N.G.P. Arts and Science College, Coimbatore, 29-Jun-18.
14. Organizing Committee member, International Conference on Computational Intelligence and Communication Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jan-24.
15. Organizing Committee member, National Conference on Advanced Computing Sciences, Dr. N.G.P. Arts and Science College, Coimbatore, 16-Mar-23.
16. Organizing Committee member, National Workshop on Big Data Analytics in Clinical Research, Dr. N.G.P. Arts and Science College, Coimbatore, 18 & 19-Mar-21.
17. Organizing Committee member, Second International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20.
18. Organizing Committee member, DBT Sponsored National Workshop on Data Analytics and its Applications in Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 14 & 15-Feb-19.

#### **Invited Speaker / Session Chair / Reviewer**

1. Reviewer, **Second International Conference on Recent Trends in Computer Science and Data Analytics – 2024** (ICrTCSDA'24), KPR College of Arts Science and Research, Coimbatore, 2nd February 2024.
2. Session Chair, **ICSSR Sponsored National Seminar on IOT Cyber Security: Challenges and Solutions for Social and Real-life Applications**, Dr. N.G.P. Arts and Science College, Coimbatore, 5-Jan-24.
3. Invited Speaker, **Guest Lecture on Artificial Intelligence**, AVP College of Arts and Science, Thiruppur, 26-Aug-22.
4. Invited Speaker, **Guest Lecture on Software Testing**, PARKS College, Thiruppur, 6-Mar-19.
5. Invited Speaker, **Session on Placement Readiness**, Dept. of Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 29-Jan-19.

6. Invited Speaker, **Guest Lecture on Data Structures**, Sri Krishna Adithya College of Arts and Science, Coimbatore, 14-Sep-17.
7. Invited Speaker, **Guest Lecture on Placement Readiness**, TERFs Academy College of Arts and Science, Thiruppur, 4-Jan-17.
8. Invited Speaker, **Guest Lecture on Software Testing**, Subramanya Arts and Science College, Palani, 10-Aug-12.