

Name : **T. R. Anand**  
 Designation : Assistant Professor  
 Department : Computer Technology  
 Qualification : MCA, M. Phil., UGC – SET, (Ph. D.)  
 Experience : Teaching - 14 Years Industry – 1 Year  
 Area of Specialization(s) : Software Testing, Database Systems  
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### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Dr. N.G.P. Arts and Science College	Pursuing
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 Qualifications

Certification	Area of Specialization	Institution / University / Agency Name	Year
SET	Computer Science	UGC	2012

### Research Publications (Indexed)

#### International

- 1) T. R. Anand, 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, February 2018, ISSN: 1314-3395.
- 2) T. R. Anand, 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.
- 3) T. R. Anand, 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.

### **Other Publications: International / National Journals**

- 1) T. R. Anand, 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, December 2016, ISSN: 2229-334.
- 2) T. R. Anand, 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- 2016, ISBN 978-1-941505-56-4.

### **Presentations in Conference**

- 1) **Bio-Inspired Algorithms and Fuzzy Expert 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**

- 1) **Conference on Emerging Education Models for 21st Century Learner (NCEEM – 2015)**, Association of Principals of Colleges of Bharathiar University, Dr.N.G.P Arts and Science College, 1-Aug-15.
- 2) **Conference on Computer Communication and Information Technology**, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.
- 3) **International Conference on Research Trends in Computing Technologies**, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-2018.
- 4) **International Conference on Research Trends in Computing Technologies**, Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-2020.

### **Participation in Seminars**

- 1) **Research Methodology**, Asan College of Arts and Science, Karur, 5-Oct-16.

### **Participation in Workshop**

- 1) **Enhancing Teaching Skills**, WIPRO Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 5 to 7-Jun-13.

- 2) **Cloud Infrastructure and Services**, Bharathiar University, Coimbatore collaboratively with EMC<sup>2</sup>, 23 to 27-Feb-15.
- 3) **Android Programming**, Bharathiar University, Coimbatore, 20 & 21-Mar-15.
- 4) **The Art of Writing Research Paper**, Kongu Engineering College, Perundurai, 19-Dec-15.
- 5) **IEEE Authorship Workshop on How to Publish a Technical Paper with IEEE**, Coimbatore Institute of Technology, Coimbatore, 25-Oct-16.
- 6) **MATLAB for Solving Research Problems**, Dr. N.G.P. Arts and Science College, Coimbatore, 31-Jul-17.
- 7) **National workshop on Big Data Analytics in Clinical Research**, Dr. NGP Arts and Science College, Coimbatore, 18 & 19-Mar-2021.
- 8) **MATLAB for solving research problems**, Dr. N.G.P. arts and Science College, Coimbatore, 31-Jul-2017.

#### **Participation in Orientation/ Training Programme / Short Term Courses**

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

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

- 1) **Introduction to R Programming**, ICT Academy, Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Aug-18.
- 2) **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3 to 9-Dec-18.

- 3) **NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr.N.G.P. Arts and Science College, 27-May-20 to 02-Jun-19.
- 4) **Research Methodology and Pedagogy for Tertiary Education**, Dr.N.G.P. Arts and Science College, Coimbatore, 15-Jun-21 to 21-Jun-21.
- 5) **Innovation Ambassador Training (Foundation Level)**, MoE's Innovation Cell & AICTE, 30-Jun-2021 to 30-Jul-21
- 6) **Teaching Learning Enhancement**, Dr.N.G.P. Arts and Science College, Coimbatore, Nov-2019
- 7) **Effective Teaching & Learning Processes**, Yavarum Kelir Skill Development Association jointly with Marudhar Kesari Jain College for Women, Vaniyambadi, 12 to 18-Sep-21.

#### **Conference / Seminar / Workshop Organized**

- 1) Organizing Committee member, National Workshop on Data Analytics and its Applications in Biotechnology (Sponsored by DBT, New Delhi), Department of Computer Technology & Department of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 14 & 15-Feb-19.
- 2) Organizing Committee member, Second National Conference on Research Trends in Computing Technologies (ICRTCT – 2020), Faculty of Computer Science, Dr.N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20.

#### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

- 1) Invited Speaker, Guest Lecture on **Software Testing**, Subramanya Arts and Science College, Palani, 10-Aug-12.
- 2) Invited Speaker, **Digital Literacy Programme**, KMCH College of Pharmacy, Coimbatore, Dec-15.
- 3) Invited Speaker, Guest Lecture on **Data Structures**, Sri Krishna Adithya College of Arts and Science, Coimbatore, 14-Sep-17.
- 4) Invited Speaker, Guest Lecture on **Software Testing**, PARKS College, Thiruppur, 6-Mar-19.
- 5) Invited Speaker, Guest Lecture on **Artificial Intelligence**, AVP College of Arts and Science, Thiruppur, 26-Aug-2022.