

**Name** : Dr.N.RANJITH  
**Designation** : Assistant Professor and Head  
**Department** : Computer Applications (BCA)  
**Qualification** : D.C.Tech., M.Sc (IT), MCA, Ph.D  
**Experience** : **Teaching:** 11 Years **Industry:** 10 Years **Research:** 3 Years  
**Area of Specialization(s):** Software Engineering  
**Email (Official ID)** : ranjith@ksgcollege.com



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Karpagam University, Coimbatore	2018
M. C.A	Computer Applications	Periyar University, Salem	2011
M.Sc.IT	Information Technology	Sikkim Manipal University, Sikkim	2009
B.Com	Commerce	Annamalai University, Chithambaram	2005
D.C.Tech	Computer Technology	Ramakrishna Nallammai Polytechnic, Dharapuram	1996

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Diploma Course	Honors Diploma in Computer Software (H.D.C.S)	I-TECH Computer Centre, Udumalpet	1997
Diploma Course	Advanced Post Graduate Diploma in Computer Application (APGDCA)	I-TECH Computer Centre, Udumalpet	1999
Diploma Course	Diploma in Computer Hardware Technology (DCHT)	I-TECH Computer Centre, Udumalpet	2004
Certificate Course	Certificate course "Oracle 9i: SQL"	KGISL	2007
Certificate Course	Oracle 9i: Programming with PL/SQL	KGISL	2007
Certificate Course	ISO Internal Auditor	KSG CAS	2018
NPTEL	Programming in JAVA (ELITE WITH SILVER MEDAL)	IIT Kanpur	2017
NPTEL	PYTHON FOR DATA SCIENCE	IIT Kanpur	2020
NPTEL	Problem solving through Programming in C	IIT Kanpur	2020

### Industry/Technical Expertise/Consultant

Position	Company	Year
Computer Instructor	InfoTech Computer, Udumalpet	2000-2004
System Manager	NEG-Micon, Udumalpet	2004-2005
Software Programmer	Silverline commodities, Coimbatore	2005-2007
Jr. Software Developer	KGISL , Coimbatore	2007-2009

1. More than 10 years' experience in Software Training of C,C++,Java, Advanced Java, PHP, JavaScript, HTML, CSS, Oracle, VB .NET,JSP, Python, ReactJS, Ecma script, Dart, flutter
2. Developed many application software's in PHP (E-Campus for College, Travel Companies booking Software, KSG Law College website, KSG Online Internal Examinations)
3. **Software Consultant** in SM Travels and Transport Company, Udumalpet
4. **Software Consultant** in Hindustan Automobiles, Udumalpet

### Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	<b>4</b>
M. Phil.	-	<b>1</b>

### Research Publications (Indexed)

1. **N.Ranjith and Dr. A. Marimuthu**, "A Multi Objective Teacher-Learning - Artificial Bee Colony (MOTLABC) Optimization for software requirements selection", Indian Journal of Science and Technology (INDJST), Vol.9(34), 2016 , ISSN(Print):0974-6846 (Online) : 0974-5645.(**Scopus Journal**)
2. **N.Ranjith and Dr. A. Marimuthu**, "Software requirement tracing and removing inconsistent requirements and prioritization of software requirements", Indian Journal of Innovations and Developments (IJID), Vol.5 (6), 2016, ISSN(Print):2277-5382 (Online): 2277-5390.
3. **Dr. N.Ranjith and Dr. A. Marimuthu**, "Software Requirements Selection using Spider Monkey Optimization Algorithm for Effective Software Product" International Journal of Research and Analytical Reviews (IJRAR) Volume 6 Issue 1 February-2019, E-ISSN 2348-1269, P- ISSN 2349-5138

4. **Dr. N.Ranjith** “AN OPTIMIZATION APPROACH TO ANALYSIS OF REQUIREMENT PRE-PROCESSING IN SOFTWARE ENGINEERING”, International Journal of Computer Engineering and Applied Science, Volume 2, Issue 1, Jan 2019, ISSN (Online): 2395-2539

#### **Presentations in Conference**

1. Presented a paper “**Network Security**” conducted by KSG CAS , 12, Aug,2012
2. **N.Ranjith and Dr. A. Marimuthu**, “**A Pre requirement and well design phase model in software Engineering**” National Conference on “RECENT ADVANTAGES IN COMMUNICATION,POWER AND COMPUTING INTELLIGENCE-RACPIC 13” Jay Shriram Group of Institutions, Tirupur ,22<sup>nd</sup> and 23<sup>rd</sup> March,2013.
3. **N.Ranjith and Dr. A. Marimuthu**, “**An effective teacher learning based optimization with multiple objectives and multiple constraints for software requirement selection**” National Conference on ‘NEXT GEN-X APPLICATIONS OF COMPUTER AND TECHNOLOGY (NCGACT 14)’-AJK College of Arts and Science, Coimbatore held on 17<sup>th</sup> and 18<sup>th</sup> October,2014.
4. Presented a paper entitled “**A pre requirement and well design phase in software engineering**” in the 6<sup>th</sup> Annual Research Congress (KUARC-2014) held at Karpagam University, Coimbatore during 5<sup>th</sup> and 6<sup>th</sup> December 2014.
5. Presented a paper entitled “**Certain Investigation on Improving software quality by efficient requirement selection, Resolving Inconsistence defect detection and estimation techniques** ” in the 8<sup>th</sup> Annual Research Congress (KUARC-2018) held at Karpagam University, Coimbatore during 5<sup>th</sup> and 3<sup>th</sup> December 2016.
6. Present a paper entitled “**Cloud computing with security**” in the National Conference on Developing Advanced Research & Technology held at KSG CAS, Coimbatore, 24<sup>th</sup> February 2017.

#### **Participation in Seminars**

1. Attend One Day International seminar on” **Emerging Trends in IT Industry**” held on 6<sup>th</sup> August 2018. in BISHOP APPASAMY College of Arts and Science, Coimbatore

#### **Participation in Workshop**

1. Participated one day workshop & Exhibition titled“**SPECTACLE’14**” at RVS College of Arts and Science, Sular, , Coimbatore ,08th January 2014.
2. Participated one day workshop on “**For Better Academia**” conducted by KSG CAS, Coimbatore held on 01<sup>st</sup> August 2014.

3. Participated Two days Workshop on “**Network Security**” conducted by NNSC, IIT Kanpur with SNR Sons College, Coimbatore on 1<sup>st</sup> and 2<sup>nd</sup> March 2017.
4. Participated 2 days state level workshop (27/07/2018 & 28/07/2018) conducted by ASFASM held at Chamber tower, Coimbatore.
5. Participated 2 days workshop (26/10/2018 & 27/10/2018) about “**Revised NAAC NORMS AND PROCEDURES**” conducted by Bharathiar University & Association of Principal of Colleges of Bharathiar University held at Bharathiar University, Coimbatore.
6. Participated in the One Day Workshop on “**Revised Assessment and Accreditation of NAAC**” organized by Principals Welfare Cell conducted on 5th January ,2019 at Kathir College of Arts and Science, Coimbatore.
7. Participated in the webinar on “**Pandithar ayothidhasarin parvaiyil tamar vizhla**” 11.01.2021 organized by KSG College of Arts and Science, Coimbatore.
8. Participated in the QUIZ Series –March 2021 on the topic “**PROVERBS**” conducted by OSWALD Literary Club – PG Department of English, KSG College of Arts and Science,Coimbatore, 06.04.2021.
9. Participated 2 days virtual workshop on “**Research and Related Tools**” organized by center for Research and Development , CMS College of Science and Commerce, Coimbatore, 16<sup>th</sup> and 17<sup>th</sup> April 2021.

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

1. Participated 4 days (3.07.2012 to 6.07.2012) FDP program on “**Certificates in Java Programming**” conducted by ICTACT at Park College of Engineering and Technology, Coimbatore.
2. Participated 5 days (24.08.15 to 28.08.2015) FDP on “**Mobile App Development**” conducted by ICTACT at Akshaya College of Engineering and Technology, Coimbatore.
3. Participated one day FDP on “**NAD awareness/training programme**” on 25th July 2018 held at Bharathiar University, Coimbatore.
4. Participated 7 days FDP on “**PYTHON & LaTeX THROUGH MOOCs- SPOKEN TUTORIAL PROJECT- IIT, BOMBAY**” from 23rd April, 2020 to 29th April, 2020 at VELLALAR College for Women (Autonomous), Erode.

5. Participated and completed all the requirements of two week (equivalent to 3 credit 40 hours course) online FDP on “**Advanced Optimization Techniques and hands-on with MATLAB/SCILAB**” jointly organized by Electronics and ICT Academies held from 13th July 2020 to 24th July 2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” by the Ministry of Electronics and Information Technology (MeitY), Government of India. This programme is endorsed by AICTE / UGC / NBA.
6. Participated 10 days Skill Training Programme on “**Web Design Course for Entrepreneurship –Phase1**” conducted Digital Career and Entrepreneurship Hub project of MHRD BU RUSA Phase II BEICH, Department of Computer Applications, Bharathiar University, Coimbatore during 19.10.2020 to 31.10.2020.
7. Participated 5 days International webinar series on “**Effective Approach to the Essential of Research**” organized by Research cell of KSG College of Arts, Coimbatore and Science from 17th November to 21st November 2020.
8. Participated 6 days online Training Programme on “**MATLAB**” conducted Digital Career and Entrepreneurship Hub project of MHRD BU RUSA Phase II BEICH, Department of Computer Applications, Bharathiar University, Coimbatore, during 10.03.2021 to 17.03.2021.
9. Participated 5 days FDP on “**Revised NAAC Accreditation Guidelines 2020**” from 1st June 2021 to 5th June 2021 held conducted by JAIN School of Computer Science and IT, JAIN Deemed to be University, Bangalore.
10. Participated one day FDP on “**Opportunities and Challenges: Online Teaching with Google Tools**”, conducted by Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 04.06.2021.

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

1. **Convener**, International Conference On Developing Advanced Research & Computer Technology, KSG College of Arts and Science College, Coimbatore, 20th September 2019.

#### **Invited Speaker / Session Chair / Member Organizing Committee - Conference / Seminar**

1. Invited Chief Guest for **Computer Exhibition** at Pioneer College of Arts and Science, Coimbatore on 12<sup>th</sup> December 2018.

2. Invited Guest Lecture on “**Web development in PHP**” , Pioneer College of Arts and Science , Coimbatore , 15-Feb-2019
3. Invited Speaker on “**Web development using Xampp**”, Ayya Nadar Janaki ammal College, Sivakasi, 05-November-2020
4. Invited Speaker on “**Essentials for Effective Online Teaching:Technical Aspects**”, Kathir College of Education ,Coimbatore , 18-June-2021

**Member in BoS**

Nil

**Membership in Professional Bodies**

Name of the Professional Body	Nature of membership	Duration
Senate Member, Bharathiar University	3 years	Since 2019

**Text Books Published**

Name of the Book	Published by	Year
-	-	-