BHARATHIDASAN INSTITUTE OF TECHNOLOGY (BIT) CAMPUS TIRUCHIRAPPALLI

ANNA UNIVERSITY

DEPARTMENT OF CSE/IT

I. Name of the Faculty : C.P.INDUMATHI

II. Designation : Assistant Professor

III. E-mail :inducp@gmail.com

9994271114

Complete Profile:

IV. Date of Birth : 1st June 1981

V. Educational Qualifications

- Ph.D   -Software Testing (pursuing)

Degree	Area of Specialization	University	Year of Passing	Class	Institution studied
M.E	CSE	ANNAMALAI UNIVESITY	2004	FIRST CLASS WITH DISTINCTION	ANNAMALAI UNIVESITY
B.E	CSE	ANNAMALAI UNIVESITY	2002	FIRST CLASS WITH DISTINCTION	ANNAMALAI UNIVESITY

VI. Specialization –Software Engineering ,Software Testing, Object Oriented Design, Data Structures

VII. Professional Experience:

- Assistant professor (2008 – Present): Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli .

- Lecturer (2004-2007): Krishnasamy College of Engineering and Technology, Cuddalore.

VIII. Awards and Honours

Life Member, Indian Society for Technical Education (ISTE)

Member, The Institution of Engineers (MIE)

Member ,International Association of Engineers(IAENG)

Sl.No	Awards/Medals	Year
1	Government Endowment Award for Securing First mark in UG degree– Cash Prize	2001-2002
2	Government Endowment Award for PG course –Cash Prize (Securing 1st rank)	2003-2004

IX. Publications:

(i) International Journals:

1. B.Galeebathuallah and C.P.Indumathi, "A Novel Approach for controlling a size of test suite with simple technique", International Journal of Computer Science &Engg (IJCSE), Vol. 2, no. 3, pp. 614-618, 2010.

2. R.Renugadevi and C.P.Indumathi, "Video Surveillance System Based on Motion Detection for Mobile Clients", International Journal of Advenced Research (IJART), Vol. 2, no. 1,pp. 32-36, 2012. [**ISSN : 6602 3127**].

3. C.P.Indumathi, Arun Pandian, "Fuzzy Logic-based traffic Adaptation in wireless mesh network", International Journal of Scientific Research in Computer Science Application and Management Studies(IJSRCSAMS), ISSN:2319-1953, Volume 3, Issue 6 November,2014.

X. National Conferences:

1. C.P.Indumathi and S.Saranya, "A Novel Technique for verifying correctness of Extract Method Refactoring in Object Oriented System ", National Conference on Image

,computing object and Mining (ICOM'2010), Vol. 1, pp. 459-470,2010. [**ISBN:** 978-93-80408-29-3].

2. B.Galeebathuallah, C.P.Indumathi," An automated tool for mapping between test cases and requirements for Test Suite Reduction", National Conference on Emerging Trends in Computer Science &Tech (ETCET'10),SVCET, Virudhunagar, 2010.[Proceedings P.NO:91-93].

3. B.Galeebathuallah, C.P.Indumathi, "Analysis of Maximum Test Coverage using Association Rule Mining", National Conference on Recent Trends in Comm, Computation &Signal Processing (RTSCP'10) ,Coimbatore, 2010.

4. K.Ramya & C.P.Indumathi, "Refactoring using Extract method in OOS", National Conference on Issues & Trends in Advanced Computing, Banari Amman Institute of Technology, Coimbatore, 2010.

5. R.Karthick & C.P.Indumathi, "Queuing model based Adaptive control of Web Application", 3rd National Conference on Recent Trends in Comm, &Tech (RACT'10),Francis Xavier Engg College ,Tirunelveli, 2010.[Proceedings P.NO:53-56].

6. K.Ambika & C.P.Indumathi, "Secured client controlled direction finding Infrastructure", National Conference on Emerging Trends in Advanced Computing (NCETAC'10),Jayaram College of Engg &Tech ,TRICHY, 2010.

7. C.P.Indumathi & S.Saranya, "Domain driven Classification for credit card holder behavior using Fuzzy Linear Programming", DRDO Sponsored National Conference on Innovations in Information Technoogy (NCIIT'2011), Bannari Amman Institute of TECH,Coimbatore,2011.

8. C.P.Darani ,V.Srinivasan and C.P.Indumathi, "Analysis of Pathological voices using GMM& SVM", UGC Sponsored National Conference on Multimedia Signal Processing (NCMSP'11),Annamalai University, 2011.

9. J.Manochitra,R.Charumathi and C.P.Indumathi, "Test case Reduction –An experimental analysis through coverage technique", National Conference on Emerging Trends in Engineering ,Management &Computer Applications (EMCA'11) AUTT ,TIRUCHIRAPPALLI ,2011.

10. C.P.Indumathi & S.Kaladevi, "Multicriteria Optimization of Regression Test cases", National Conference on Imaging ,computing object &Mining (ICOM'2013), AUTT TIRUCHIRAPPALLI,April 26-27(2013)pp:39-42,ISBN:978-81-9102-12-6-4.

11. C.P.Indumathi & S.Ranimuthu," Comparative Analysis of Distinct Anti-Collision algorithms for RFID Re-entering Tag", TEQIP II National Conference on Intelligent systems ,Computing and Information Technology(NCICIT2014),Paper no:28 ,pp 194-201 April 4th-5th 2014.

12. C.P.Indumathi, Chandralekha, "Guide-Event Tracking System-HEALTHCARE", National Conference on Recent Trends in Engineering and Technology(NCRTET'14),March 24th 2014.

13. C.P.Indumathi, S.Arul, "Oxygen Level Monitoring and Secured Transmission of Data using DES ", 2nd National Conference on Innovative and Emerging Trends in Engineering and Technology(NCIETET'15),14th May, 2015.

14. C.P.Indumathi, S.Mathivadani, "Survey on automated test case generation methodologies-A milestone in the path of testing", National conference on Advancement in Embedded systems and sensor networks,No.86, 2015,ISSN:2348-8387.

15. C.P.Indumathi, M.Arunvel, "Survey on regression testing techniques: A mandatory testing methodology", National conference on Advancement in Embedded systems and sensor networks,No.60, 2015,ISSN:2348-8387

16. C.P.Indumathi, E.Sowmiya,L.Sowmiya, "Find the Feasible Path Based on UML State Chart Using Genetic Algorithm", National Conference on Research Challenges in SMAC(NCSMAC'16), Thyagaraja College of Engineering, Madurai.,29th January,2016.

17. C.P.Indumathi, R.Lavanya Bai , "Generate and finding the feasible test path through APFD Metric using path disparity", National Conference on Intelligent Systems And Communication(NCISC-2016),June 2016,ISBN – 9789380757131, p.no:8-15 -78

18. C.P.Indumathi and K.Selvamani," Test case Optimization using fuzzy Decision making",National Conference on Communication and Computing Technologies (NCCCT'16) ,Aug 2016, ISBN:978-93-80622-19-4 , p.no:72 -78.

XI. International Conferences:

1. C.P.Indumathi B.Galeebathuallah, &O.Pandithurai , "Analysis of test case coverage using data mining technique", IEEE International Conference on Communication, Control and Computing Technologies (ICCCCT 2010) Syed Ammal Engineering College, Ramanathapuram ,17 Dec2010**Page(s):** 806 -809, **ISBN:** 978-1-4244-7769-2, DOI:10.1109/ICCCCT.2010.5670732

2. S.Durai &C.P.Indumathi, "Enhancing the design quality by move method Refactoring", International Conference on Information Comm& Embedded systems ,SA Engg College ,Chennai,Feb 2011.

3. C.P.Indumathi & S.Ranimuthu, "Empirical Perusal on Anti-Collision algorithms for RFID Tags", IEEE International Conference on Advanced Communication, Control and Computing Technologies (ICACCCT 2014) Syed Ammal Engineering College, Ramanathapuram, vol,no.1.no.1,Paper no 1078 pp 764-768,,ISBN:978-1-4799-3914-5/14

4. P.Vadivukarasi, C.P.Indumathi, "Query based Image Retrieval using SVM Algorithm", International Conference On Innovative Trends In Computing & Technology,March 07th and 8th, 2014.

5. C.P.Indumathi, R.Karthika, "Adaptive Random Testing Using Multiple coverage criteria", International conference on Architecture, Software systems and Green computing,2014-ICASG14,Vol.1,no.1, paper no.140, pp.640-6643,ISBN:978-93-81208-31-1

6. C.P.Indumathi, K.Selvamani, "Test Cases Prioritization using Open Dependency Structure Algorithm", International Conference on Intelligent Computing, Communication Amd Convergence(ICCC-2014),Bhubaneswar, Odisha.,27th and 28th December,2014.

7. C.P.Indumathi, K.Selvamani, R.Lavanya ER Diagram Based Web Application Testing Bai, "Comparative Study of Test suite Filtering Technique ", IEEE International Conference on Computational Intelligence and Computing Research(ICCIC)-2015,Dec 10-12,2015,ISBN :978-1-4799-7848-9,p.no 1-6,DOI:10.11.09/ICCIC.2015.7435787,p.no 627-632.

8. C.P.Indumathi, Sabeena Begum, "Comparative Study of Test suite Filtering Technique", IEEE International Conference on Computational Intelligence and Computing Researc(ICCIC)-2015, Vickram College of Engineering,Enathi, Madurai.,Dec 10-12, 2015,Presented,ISBN :978-1-4799-7848-9, Proceedings, (p.no 627-632)

9. R.Lavanya Bai ,C.P.Indumathi, "Test data generation using Bi-Objective function", IEEE International Conference on Advanced Communication Control and computing technologies(ICACCCT'16),Syed Ammal Engineering College, ,May2016(25-27),Presented,Proceedings, (p.no 758-762)

11,C.P.Indumathi, Sabeena Begum, "Web Database using ER diagram and State Transition model", ,IEEE International Conference on Communication and Signal Processing, Adhi Prasakthi Engineering College ,Melmaruvuthur,APRIL 6-8 2016,Presented,ISBN :978-1-5090-0395-2/16/ Proceedings (p.no 1615-1620).

XII. Seminar/Conference/Workshop Conducted

Sl.No	Host Institution	Topic	Date & Duration (Days)
1	Anna University,BIT Campus-Tiruchirapalli.	TEQIP -II SPONSORED Two Days National Conference On Intelligent systems, Computing and Information Technology	4.4.2014 to 5.4.2014(2 days)
2	Anna University,BIT Campus-Tiruchirapalli.	TEQIP II sponsored two days National level seminar on web application design and development	11.8.2016 &12.8.2016(2 days)

XIII. Seminar/Conference/Workshop attended

S. No	Host Institution	Topic	Date
1	KCET,Cuddalore	FDP on Total quality Management	2004 - 1day
2	PEC,PUDUCHEERY	ISTE short term training pgm on "Advanced s/w Engg Methodologies	NOV'2006 -5days
3	Annamalai University ,Annamalai Nagar	Training pgm on MICROSOFT.NET	NOV'2006-5days
4	ICT Academy of TamilNadu	Training pgm on J2EEE& BEST PRACTICES in APP.Development	DEC'2009-2days
5	NIT ,Tiruchirappalli	MHRD –AICTE SDP on "Recent Researches on Fuzzy logic & Neural Neworks"	JUN-JUL'2010-13days
6	AUTT,TIRUCHIRAPPALLI	Workshop on Sofware Testing Methodologies	OCT'2010-2days

7	AUTT,TIRUCHIRAPPALLI	Seminar on Computational Optimization and Simulation	APR'2011- 1day
8	AUTT,TIRUCHIRAPPALLI	Workshop on Software Project Formulation	Aug'2011-1day
9	AUTT,TIRUCHIRAPPALLI	Seminar on Research Methodology	Aug'2011-1day
10	UCE, Bit Campus, Tiruchirappalli	Workshop on Soft Computing Techniques :Data Mining Perspective	OCT'2012 -1day
11	Anna University ,BIT Campus, Tiruchirappalli	National Seminar on Intellectual Property Rights and Bio Technology(NSIPRB-2013)	Feb '13-1 day
12	UCE ,Bit Campus, Tiruchirappalli	National Seminar on "SOFTWARE TESTING -AN INDUSTRIAL PERSPECTIVE " (SIAP'13)	Nov 21-22(2013)-2days
13	UCE ,Bit Campus, Tiruchirappalli	TEQIP Sponsored Faculty Development Programme (FDP) on "Pedagogical Training" Organized by NITTTR ,Chennai	Dec 9th to 22th 2013
14	MS Ramaiah Institute of Technology, Bangalore-54,	TEQIP-II sponsored Regional workshop on "Web based Student, Faculty and Staff Satisfaction Survey"	22nd sep 2014
15	NIT,Tiruchirappalli	FDP ON Data Mining and Data Analytics	November 24th – 28th 2014
16	Bharathidasan Institute of Technology, Tiruchirappalli.	Training in IBM SEED Program	29 Dec, 2014 –2 Jan, 2015
17	Anna University,Chennai -25	Workshop on Research Methodology	23.01.2015
18	Anna University,Chennai -25	Workshop on Recent Techniques in "Web services and Internet"	18.02.2015 and 19.02.2015
19	Anna University ,Bit Campus ,Trucirappalli	TEQIP-II Sponsored FDP on "Network Technologies & Security"	MAY 4th to 19th 2015
20	Anna University,Chennai -25	Faculty Development Training programme On "Cryptography & Network Security"	25.05.2015 and 31.05.2015
21	SASTRA University, Thanjavur.	Two days Workshop on "LATEX"	12th &13 th February,2016.
22	Anna University,BIT Campus- Tiruchirappalli.	Two Days International Workshop on "Big Data Visualization and Graph Databases(BDVGD)"	24th& 25th February, 2016.
23	IIT Madras	Faculty Development Programme on learning improvement techniques	10th to 12th March 2016
24	Anna University,BIT Campus- Tiruchirapalli.	TEQIP II sponsored two days National level seminar on cloud computing:A Hands on approach	15th &16th September,2016

XIV. Special Lectures Delivered:

S. No	Arranged by	Topic	Date	Number & Level of Participants
1	Oxford Engineering college,Trichy	"SOFTWARE TESTING- THE PERCEPTUAL EVALUATION "	28th Feb 2014	63 (UG ,PG and Faculty)

XV. Additional Responsiblities Held

Sl.No	Roles and Responsibility(Ex: Class Coordinator, INNOAUTT Coord, Antiragging, Examcell Member/Coord, Time Table Coord, Placement,Alumini, Part time, Warden, MBCBS, NSS,NCC, etc…)	Year
1	Class Coordinator for B.Tech (I.T)	2008-2012
2	Project Coordinator B.Tech (I.T) -Final yr	2011-2012
3	Antiragging commitee member	2010& 2012
4	Faculty Coordinator for Student Innovation Club	2010-2011
5	Internal Unit Test Coordinator	2009-2010
6	Exam Cell Dept Coordinator	Even sem '2012
7	NBA Dept Coordinator	2012-2013
8	Stage Decoration Committee member during the First convocation of Anna University ,Tiruchirappalli	2011
9	Department coordinator for Social Activity Scheme	2010-2011
10	TEQIP Dept Coordinator	2013-2016
11	Class Coordinator for B.Tech (I.T)	2013-2017
12	PG Project Reviewer(ME-SE)	2014-2015
13	IT Programme Coordinator	Feb 2015 onwards
14	College Bus Committee Member	2015-2016