

NAME : DR. D. JEYA MALA
POSITION : DIRECTOR OF MCA
FACULTY OF : PG DEPT. OF COMPUTER APPLICATIONS
EMAIL ID : djeyamala@gmail.com
LANGUAGES PROFICIENCY
READ : ENGLISH & TAMIL
WRITE : ENGLISH & TAMIL
SPEAK : ENGLISH & TAMIL



1. QUALIFICATION

S. No.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	COMPUTER SCIENCE	FATIMA COLLEGE, MADURAI	1994
2.	PG	COMPUTER APPLICATIONS	MADURAI KAMARAJ UNIVERSITY, MADURAI	2000
3.	M.PHIL.	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY, MADURAI	2004
4.	PH.D.	SOFTWARE ENGINEERING-SOFTWARE TESTING, AI	ANNA UNIVERSITY, CHENNAI	2009
5.	DIPLOMA	VC++	BDPS SOFTWARE PVT. LTD	2001
6.	CERTIFICATE	IBM CERTIFIED ASSOCIATE DEVELOPER IN WEBSHERE STUDIO V5.0	IBM, USA	2005
7.	CERTIFICATE	JAVA 1.1 PROGRAMMER	BRAIN BENCH INTERNATIONAL	2000
8.	CERTIFICATE	CERTIFICATE OF MERIT IN "JAVA 2.0"	ULTRA-COMPUTER ACADEMY	2000
9.	TECHNICAL	SOFTWARE TESTING FUNDAMENTALS	testingsense.com	2008

10. TEACHING EXPERIENCE

S. No.	POSITION HELD	INSTITUTION	FROM	TO
1.	DIRECTOR OF MCA & ASSOCIATE PROFESSOR	FATIMA COLLEGE, MADURAI	01/07/2019	TILL DATE
2.	ASSOCIATE PROFESSOR	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	01/06/2013	15/06/2019
3.	ASSISTANT PROFESSOR	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	01/12/2009	31/05/2013
4.	SENIOR GRADE LECTURER	THIAGARAJAR COLLEGE OF ENGINEERING	21/07/2008	30/11/2009
5.	LECTURER	THIAGARAJAR COLLEGE OF ENGINEERING	21/07/2003	20/07/2008
6.	LECTURER	LADY DOAK COLLEGE, MADURAI	20/06/2001	18/07/2003

7. POSITION HELD IN FATIMA

S. No.	NAME OF THE POSITION	DURATION
1.	DIRECTOR OF MCA	01/07/2019 - TILL DATE
2.	COORDINATOR – ERP	01/07/2019 - TILL DATE

3.	IQAC MEMBER	01/07/2019 - TILL DATE
4.	MEMBER – NAAC VALIDATING COMMITTEE	16/08/2019 - TILL DATE
5.	MEMBER – WEB COMMITTEE	10/07/2019 - TILL DATE

6. POSITION HELD OUTSIDE

S. No.	NAME OF THE POSITION	NAME OF THE INSTITUTION	DURATION
1.	R&D COORDINATOR OF MCA	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	2010 - 2019
2.	NAAC – R&D CORE COMMITTEE MEMBER	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	2018 - 2019
3.	DEPARTMENT ADVISORY COMMITTEE MEMBER	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	2010 - 2019
4.	SINGLE NODAL PERSON OF CONTACT FOR MICROSOFT	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	2007 - 2010
5.	PROJECT COORDINATOR OF MCA	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	2013 - 2017
6.	SPECIAL INTEREST GROUP COORDINATOR	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	2013 - 2017
7.	BOS MEMBER	MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI	2013 - TILL DATE
8.	BOS MEMBER	KONGU COLLEGE OF ENGINEERING, ERODE	2013 - 2014

7. AREAS OF SPECIALIZATION

- ARTIFICIAL INTELLIGENCE
- SOFTWARE ENGINEERING
- SOFTWARE TESTING
- OPTIMIZATION

8. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

1. 1 WEEK ONLINE FDP ON "INTERNET OF THINGS (IoT) FOR EMERGING APPLICATIONS", ORGANIZED BY KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE AND CLOUD CHIP TECHNOLOGIES PVT.LTD, 10/05/2020 TO 14/05/2020.
2. 1 WEEK ONLINE FDP ON "NEW DIRECTIONS AND DIMENSIONS IN HIGHER EDUCATION", ORGANIZED BY APA COLLEGE, PALANI, 9TH JUN 2020 TO 15TH JUNE 2020.
3. 1 WEEK ONLINE FDP ON "INCLUSIVE PROCEDURES AND PROCESSES IN ASSESSMENT AND ACCREDITATION BY NAAC", ORGANIZED BY IQAC, ST.JOSEPH'S COLLEGE, TRICHY, 30TH JUNE 2020 TO 04TH JULY 2020.
4. 2 WEEKS WEBINAR - SKY CAMPUS –DIGITAL KNOWLEDGE SERIES - SEASON 1 OFFERED BY ICT ACADEMY (A GOVT INITIATIVE), ICT ACADEMY, TAMIL NADU, APRIL 9, 2020 - APRIL 11,2020 AND APRIL 13, 2020 - APRIL 18, 2020
5. 1 WEEK WEBINAR - SKY CAMPUS –DIGITAL KNOWLEDGE SERIES - SEASON 2 OFFERED BY ICT ACADEMY (A GOVT INITIATIVE), ICT ACADEMY, TAMIL NADU, APRIL 20, 2020 - APRIL 24, 2020
6. 1 WEEK WEBINAR - SKY CAMPUS –DIGITAL KNOWLEDGE SERIES - SEASON 3 OFFERED BY ICT ACADEMY (A GOVT INITIATIVE), ICT ACADEMY, TAMIL NADU, 27/05/2020 TO 01/05/2020
7. 1 WEEK WEBINAR - SKY CAMPUS –DIGITAL KNOWLEDGE SERIES - SEASON 4 OFFERED BY ICT ACADEMY (A GOVT INITIATIVE), ICT ACADEMY, TAMIL NADU, 18/05/2020 ,19/05/2020, 21/05/2020.

8. 1 DAY WEBINAR ON "FULL STACK JAVA DEVELOPMENT", ORGANIZED BY RVR&JC COLLEGE OF ENGINEERING, GUNTUR, 1ST JUNE 2020.
9. 1 DAY WEBINAR ON "RESETTING MINDS IN UPSETTING TIMES", ORGANIZED BY FATIMA COLLEGE, MADURAI, 22ND JUNE 2020.
10. 1 DAY WEBINAR ON "OVERVIEW FOR PROJECTS, R&D INNOVATIONS AND PATENTING", ORGANIZED BY NARAYANA ENGINEERING COLLEGE, GUDUR, 4TH JUNE 2020.
11. 1 DAY WEBINAR ON "COVID 19-REPORTAGE", ORGANIZED BY FATIMA COLLEGE, MADURAI, 29TH MAY 2020.
12. AICTE-QIP SPONSORED ONE WEEK STP ON "PEDAGOGICAL INNOVATIONS AND RESEARCH DIRECTIONS IN STEM EDUCATION", AT THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, 25/02/2019 TO 02/03/2019
13. AICTE-QIP SPONSORED ONE WEEK STP ON "CONTENT DELIVERY AND ASSESSMENT METHODS IN CS/IT CURRICULUM" AT THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, 11/02/2019 TO 17/02/2019
14. AICTE-QIP SPONSORED ONE WEEK STP ON "RESEARCH ISSUES AND CHALLENGES IN DATA SCIENCE AND BIG DATA ANALYTICS", 18/03/2019 TO 23/03/2019
15. IIT-BOMBAYX - FDP301X ON "MENTORING EDUCATORS IN EDUCATIONAL TECHNOLOGY", REMOTE CENTRE AT TCE, 17-05-2018 TO 05-07-2018
16. TEQIP SPONSORED WORKSHOP ON "RECENT TRENDS AND RESEARCH CHALLENGES IN DEEP LEARNING", THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, 30-08-2018 TO 31-08-2018
17. TEQIP SPONSORED WORKSHOP ON "BIG DATA ANALYTICS FOR CYBER SECURITY SOLUTIONS", THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, 18-19/09/2018
18. TEQIP SPONSORED WORKSHOP ON "MYTHS AND REALITIES OF R&D AND IPT AT EEIs : ISSUES, CHALLENGES AND OPPORTUNITIES", THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, 13/07/2018, 13-07-2018 TO 13-07-2018
19. ICTIIE WORKSHOP ON "OUTCOME BASED EDUCATION PLATFORM", THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, 08/01/2018
20. TEQIP III SPONSORED WORKSHOP ON "FESTIVAL OF LEARNING IoT AND CLOUD", THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI,, 15/11/2018 TO 16/11/2018
21. WINTER SCHOOL ON SOFTWARE ENGINEERING, ORGANIZED BY ACM AT TATA RESEARCH DESIGN AND DEVELOPMENT CENTER (TRDDC), PUNE., 11-12-2017 TO 16-12-2017
22. IIT-BOMBAYX - FDP201X ON "PEDAGOGY FOR ONLINE AND BLENDED TEACHING-LEARNING PROCESS", REMOTE CENTER AT TCE, 14-09-2017 TO 21-11-2017
23. IIT-BOMBAYX - FDP101X ON "FOUNDATION PROGRAM IN ICT FOR EDUCATION", REMOTE CENTER AT TCE, 03-08-2017 TO 12-09-2017
24. DST-SERB AND TEQIP SPONSORED STTP ON "BIG DATA AND IOT - THE STRATEGIES FOR SMART ENVIRONMENTS", 17-02-2017 TO 21-11-2017
25. TEQIP II SPONSORED ONE DAY WORKSHOP ON "PROJECT MANAGEMENT", AT TCE, 17/03/2017
26. TEQIP II SPONSORED ONE DAY WORKSHOP "STANDARD OPERATING PROCEDURE FOR TCE", ORGANIZED BY TCE, MADURAI, 22-11-2016 TO 22-11-2016
27. TEQIP II SPONSORED WORKSHOP ON "R SOFTWARE FOR STATISTICAL COMPUTING AND RESEARCH", ORGANIZED BY DEPT.OF MATHEMATICS, TCE, MADURAI , 11-11-2016 TO 11-11-2016
28. TEQIP II SPONSORED WORKSHOP ON "ICT TOOLS FOR ENGINEERING EDUCATION", ORGANIZED BY DEPT.OF IT, TCE, MADURAI, 09-11-2016 TO 09-11-2016
29. LDRA SUPPORTED FDP ON "SOFTWARE SAFETY AND SECURITY", ORGANIZED BY DEPT.OF CA, TCE, MADURAI, 09-09-2016 TO 09-09-2016
30. 103RD INDIAN NATIONAL CONGRESS, ORGANIZED BY INDIAN SCIENCE CONGRESS ASSOCIATION, (AN INITIATIVE OF DST) AT UNIVERSITY OF MYSORE, MYSURU, 05-01-2016 TO 07-01-2016

31. IEEE-WOMEN IN ENGINEERING ORGANIZED "INTERNATIONAL LEADERSHIP SUMMIT 2015", CHENNAI, TAMIL NADU, INDIA, 11-09-2015 TO 12-09-2015
32. TWO WEEK ISTE MAIN WORKSHOP ON "CYBER SECURITY" - ORGANIZED BY IIT BOMBAY, 20-07-2014 TO 30-07-2014
33. INDO-US COLLABORATED WORKSHOP ON "SOFTWARE ENGINEERING", THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI, JAN 2010
34. SDLC AND PROJECT MANAGEMENT-BEST PRACTICES, TCS, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. , 27/07/2008 TO 28/07/2007
35. INDO-US COLLABORATION WORKSHOP ON SOFTWARE ENGINEERING, INFOSYS- MYSORE, JULY 2007
36. APPLICATION OF EVOLUTIONARY COMPUTATION TO ENGINEERING OPTIMIZATION PROBLEMS, THIAGARAJAR COLLEGE OF ENGINEERING, 28/05/2007 TO 01/06/2007
37. INDUSTRY-ACADEMIA INTERACTION WORKSHOP ON OBJECT ORIENTED AND PROCESS FOCUSED IMPLEMENTATION USING C++, HONEYWELL, CII, MADURAI, 26/02/2007 TO 03/03/2007 & 07/05/2007 TO 11/05/2007
38. SOFTWARE QUALITY, ACCENTURE, ANNA UNIVERSITY, CHENNAI, 25/08/2006 TO 26/08/2006
39. OBJECT ORIENTED ANALYSIS AND DESIGN USING UML WITH FUNDAMENTALS OF RATIONAL ROSE, IBM @ COIMBATORE INSTITUTE OF TECHNOLOGY, 09/05/2006 TO 12/05/2006
40. IBM TIVOLI REACH PROGRAM 2006, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. , 22/04/2006 TO 23/04/2006
41. SOFTWARE QUALITY ASSURANCE AND TESTING, ANNA UNIVERSITY, CHENNAI, 20/02/2006 TO 04/03/2006
42. ROBOTICS AND TELEMATICS , THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. , 30/11/2005
43. MICROSOFT SPONSORED WORKSHOP ON MICROSOFT SQL SERVER, WINDOWS 2003 SERVER AND ISA SERVER, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. , 30/05/2005 TO 31/05/2005
44. VIRTUAL LAB, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. , 23/02/2005
45. DATA MINING AND DATA WAREHOUSING AICTE SPONSORED SHORT-TERM COURSE., THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. , 18/11/2004 TO 19/11/2004
46. PROFESSIONAL ETHICS, ANNA UNIVERSITY, CHENNAI, 28/06/2004 TO 03/07/2004
47. CLIENT SERVER COMPUTATION, PSGR KRISHNAMMAL COLLEGE FOR WOMEN, 21/02/2003
48. NEURAL NETWORKS AND FUZZY LOGIC, LADY DOAK COLLEGE, MADURAI, 01/02/2003
49. INTEL TEACH TO THE FUTURE, LADY DOAK COLLEGE, JULY 2002 - SEPT 2002
50. VLSI AND EMBEDDED SYSTEMS, MEPCO SCHLENK ENGINEERING COLLEGE, 28/02/2002 TO 02/03/2002

9. NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

S. No.	PUBLICATION TYPE	TITLE OF THE BOOK CHAPTER/BOOK/ CONFERENCE PROCEEDING, WITH YEAR OF PUBLICATION AND OTHER PUBLICATION DETAILS.	PROCEEDINGS/ ISBN/ ISSN No.	LEVEL INTERNATIONAL/ NATIONAL
1.	VIRTUAL CONFERENCE – FULL PAPER	"TOWARDS GREEN IT USING CLOUD COMPUTING FOR SUSTAINABLE ENVIRONMENT", PRESENTED IN MALAYSIAN CONFERENCE ON GCGSD – 2020	PROCEEDINGS OF GCGSD-2020	INTERNATIONAL
2.	CONFERENCE FULL PAPER	"INTELLIGENT VULNERABILITY ANALYZER —A NOVEL DYNAMIC VULNERABILITY ANALYSIS FRAMEWORK FOR MOBILE BASED ONLINE APPLICATIONS", PAPER ACCEPTED IN INTERNATIONAL CONFERENCE ON NEXT GENERATION COMPUTING TECHNOLOGIES (NGCT-2017), ORGANIZED BY UPES, DEHRADUN, 2017	PROCEEDINGS OF NGCT 2017 – ISBN: 978-981-10-8659-5	INTERNATIONAL
3.	CONFERENCE FULL PAPER	"A HYBRID TEST OPTIMIZATION FRAMEWORK USING MEMETIC ALGORITHM WITH CUCKOO FLOCKING BASED	SBST 2014: - A CO-LOCATED WORKSHOP OF ICSE 2014.	INTERNATIONAL

		SEARCH APPROACH". 37-38,		
4.	CONFERENCE FULL PAPER	"CRITICALITY ANALYZER AND TESTER – AN EFFECTIVE APPROACH FOR CRITICAL COMPONENT IDENTIFICATION & VERIFICATION USING ABC", PUBLISHED IN THE BOOK : "ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING", VOLUME 248, 2014, PP 663-670 LNCS SPRINGER, 2014, DOI 10.1007/978-3-319-03107-1_72,	LNCS - SPRINGER "ICT AND CRITICAL INFRASTRUCTURE": PROCEEDINGS OF THE 48TH ANNUAL CONVENTION OF COMPUTER SOCIETY OF INDIA-, PRINT ISBN 978-3-319-03106-4, ONLINE ISBN 978-3-319-03107-1, SPRINGER	INTERNATIONAL
5.	CONFERENCE FULL PAPER	"STRUCTURAL REFINEMENT: AN EFFECTIVE OCL-BASED TESTING APPROACH", LNCS – SPRINGER BOOK ON ARTIFICIAL INTELLIGENCE AND EVOLUTIONARY ALGORITHMS IN ENGINEERING SYSTEMS-ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING VOLUME 324, 2015, PP 765-774, SPRINGER	ISBN 978-81-322-2125-8,	INTERNATIONAL
6.	CONFERENCE FULL PAPER	"SOFTWARE COMPONENTS PRIORITIZATION USING OCL FORMAL SPECIFICATION FOR EFFECTIVE TESTING", IEEEEXPLORE, 3RD INTERNATIONAL CONFERENCE ON RECENT TRENDS IN INFORMATION TECHNOLOGY (ICRTIT 2013) CONDUCTED BY ANNA UNIVERSITY 2013,	IEEEEXPLORE DOI: 10.1109/ICRTIT.2013.6844288,	INTERNATIONAL
7.	CONFERENCE FULL PAPER	"MEMETIC TESTER – A MEMETIC ALGORITHM BASED SOFTWARE TEST OPTIMIZATION APPROACH", PROCEEDINGS OF ICETMCA-2010	PROCEEDINGS OF - ICETMCA-2010	INTERNATIONAL
8.	CONFERENCE FULL PAPER	"A NON-PHEROMONE BASED INTELLIGENT SWARM OPTIMIZATION TECHNIQUE IN SOFTWARE TEST SUITE OPTIMIZATION", INTERNATIONAL CONFERENCE ON INTELLIGENT AGENTS AND MULTI AGENTS PP. 15-20	IEEEEXPLORE VOL. No.-978-1-4244-4711-4/09,	INTERNATIONAL
9.	CONFERENCE FULL PAPER	INTELLIGENT TEST SEQUENCE OPTIMIZATION USING GRAPH BASED INTELLIGENT SEARCH AGENT, 22-25	IEEEEXPLORE, VOL. No. 0-7695-3050-8/07 DOI 10.1109 / ICCIMA 2007.109	INTERNATIONAL
10.	CONFERENCE FULL PAPER	CRITICAL COMPONENTS IDENTIFICATION AND VERIFICATION FOR EFFECTIVE SOFTWARE TEST PRIORITIZATION, ICoAC 2011	IEEEEXPLORE, ICoAC 2011	INTERNATIONAL
11.	CONFERENCE FULL PAPER	CRITICAL COMPONENT ANALYZER - A NOVEL TEST PRIORITIZATION FRAMEWORK FOR COMPONENT BASED REAL TIME SYSTEMS, MALYSIAN INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING, ORGANIZED BY IEEE-MALAYSIA AND INSTITUTE OF TECHNOLOGY, MALAYSIA, IEEEEXPLORE	IEEEEXPLORE, MYSEC 2011	INTERNATIONAL
12.	CONFERENCE FULL PAPER	INTELLIGENT TESTER – INTELLIGENT TEST SEQUENCE OPTIMIZATION FRAMEWORK TO ACHIEVE QUALITY IN HIGHLY RELIABLE SYSTEMS, ICRSQE 2008 / PAGE No.669 – 778	BOOK ON "ADVANCES IN PERFORMANCE AND SAFETY OF COMPLEX SYSTEMS", MACMILLAN PUBLICATIONS, 2008 / ISBN No. 0230-63441-9	INTERNATIONAL
13.	CONFERENCE FULL PAPER	INTELLIGENT TEST SEQUENCE OPTIMIZATION USING GRAPH BASED SEARCHING TECHNIQUE, ICISTM 2007, PP.10-19	BOOK ON "INFORMATION SYSTEMS, TECHNOLOGY AND MANAGEMENT", 2007 / ISBN 81-8424-182-8, ALLIED PUBLISHERS PVT.LTD,	INTERNATIONAL
14.	CONFERENCE FULL PAPER	SOFTWARE TESTING TECHNIQUES FOR EMBEDDED SYSTEMS: TIME STAMPED GRAY BOX TESTING, PROCEEDINGS OF PMGQ – 2005.	PROCEEDINGS OF PMGQ 2005,	INTERNATIONAL

15.	CONFERENCE FULL PAPER	A NOVEL ALGORITHM TO IMPROVE QoS FOR HETEROGENEOUS MOBILE DEVICES, INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING, 21-09-2014, PP.101-108, THAILAND	PROCEEDINGS OF INTCONGRESS 14 ISBN – 978-81-929742-3-1	INTERNATIONAL
16.	CONFERENCE FULL PAPER	CRITICAL COMPONENTS IDENTIFICATION FOR EFFECTIVE REGRESSION TESTING, INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING, 21-09-2014, PP.109-116, THAILAND	PROCEEDINGS OF INTCONGRESS 14, ISBN – 978-81-929742-3-1	INTERNATIONAL
17.	CONFERENCE FULL PAPER	CLIENT SIDE COUNTERMEASURES FOR THE PREVENTION OF SQLIA IN WEB APPLICATIONS, 2017 IEEE INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE AND COMPUTING RESEARCH (ICCIC)	IEEEEXPLORE DOI: 10.1109/ICCIC.2017.8524315	INTERNATIONAL
18.	CONFERENCE FULL PAPER	XML BASED WEB SERVICES FOR EMBEDDED APPLICATIONS IN SERVICE ORIENTED COMPUTING, PDLC-2005, ORGANIZED BY PSG COLLEGE OF TECHNOLOGY, COIMBATORE.	PUBLISHED IN THE PROCEEDINGS OF IT ENABLED PRODUCT DEVELOPMENT STRATEGIES IEPDS-2005, PP.87-93, 2005/PROCEEDINGS	NATIONAL
19.	CONFERENCE FULL PAPER	BLUETOOTH SYSTEMS, NATIONAL CONFERENCE ON WIRELESS NETWORKS 2004	PUBLISHED IN THE PROCEEDINGS OF NATIONAL CONFERENCE ON WIRELESS NETWORKS 2004	NATIONAL

10. RESEARCH GUIDES/GUIDANCE DETAILS

RESEARCH DETAILS

S. No.	NAME OF THE UNIVERSITY IN WHICH RECOGNIZED AS GUIDE	DATE OF REGISTRATION	REGISTRATION NUMBER	DATE OF GUIDESHIP RECEIVED	PH.D. GUIDESHIP DETAILS			
					ONGOING		COMPLETED	
					FULL TIME	PART TIME	FULL TIME	PART TIME
1.	ANNA UNIVERSITY, CHENNAI	10/10/2013	22.07.23	02/11/2013	-	2	-	3
2.	ANNA UNIVERSITY, MADURAI	10/10/2010	AUT/MCA/004	16/11/2010	-	-	-	-
3.	ANNA UNIVERSITY, TIRUNELVELI	01/04/2010	SH1008	03/05/2010	-	-	-	-

PH.D. GUIDANCE COMPLETED/ONGOING

S. No.	STUDENT NAME	TITLE OF THESIS	MODE OF PH.D. (FULL TIME / PART TIME)	REG. NUMBER	DATE OF REG.	NAME OF UNIVERSITY/ INSTITUTION UNDER WHICH REGISTERED	REGISTERED/ PURSUING/ SUBMITTED/ PRE-VIVA/ VIVA/ AWARDED	DATE (SUBMITTED/ PRE-VIVA/ VIVA/ AWARDED)
1.	HAJA ALLALUDEEN	A NOVEL FRAMEWORK TO ENHANCE QoS FOR LOCATION BASED SERVICES IN MOBILE COMPUTING	PART TIME	20105072015	JAN. 2010	ANNA UNIVERSITY, CHENNAI	AWARDED	23/03/2018
2.	G. PARKAVI	CHANGES DETECTION IN MINIMUM SPANNING TIME FOR VERSION	PART TIME	2011254003	JAN. 2011	ANNA UNIVERSITY, CHENNAI	AWARDED	21/10/2019

		CONTROL IN REGRESSION TESTING						
3.	B. SUBASHINI	A NOVEL FRAMEWORK FOR TEST SUITE ENHANCEMENT USING DATA MINING TECHNIQUES	PART TIME	2012154009	JAN. 2012	ANNA UNVIERSITY, CHENNAI	AWARDED	24/02/2020
4.	B. GEETHA	SOFTWARE TEST PRIORITIZATION FOR OBJECT ORIENTED SOFTWARE USING NATURE INSPIRED ALGORITHMS	PART TIME	2012154005	JAN. 2012	ANNA UNVIERSITY, CHENNAI	PURSUING	-

M.PHIL. GUIDANCE COMPLETED/ONGOING

S. No.	TITLE OF DISSERTATION	UNIVERSITY/INSTITUTION	STUDENT NAME	YEAR
1.	SOFTWARE TESTING USING MUTATION ANALYSIS	MADURAI KAMARAJ UNIVERSITY, MADURAI	BEE HUA	2010

PG PROJECTS : 112

11. FELLOWSHIP RECEIVED

- **TRAVEL FELLOWSHIP FROM ASDF, THAILAND CHAPTER TO BE THE CHAIR IN AN INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING, HELD AT THAILAND, 2014.**

12. ARTICLES PUBLISHED IN JOURNALS/PROCEEDINGS/MAGAZINES/BOOKS

1. **B.GEETHA, D.JEYA MALA (2020), A MULTI OBJECTIVE BINARY BAT APPROACH FOR TEST CASE SELECTION IN OBJECT ORIENTED TESTING, JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, [HTTPS://DOI.ORG/10.1007/S12652-020-02360-W](https://doi.org/10.1007/s12652-020-02360-w), PP, 1-10, 2020, IMPACT FACTOR – 4.594, INDEXED IN SCI-E, SCOPUS, UGC CARE, ETC.**
2. **D.JEYA MALA, M.RAMALAKSHMI PRABHA, (2020),“ON THE DESIGN AND OPTIMIZATION OF TEST CASES USING AN IMPROVED ARTIFICIAL BEE COLONY ALGORITHM BASED SWARM INTELLIGENCE APPROACH”, INTERNATIONAL JOURNAL OF SWARM INTELLIGENCE RESEARCH, ACCEPTED FOR PUBLICATION IN VOL.12, No.2, 2020 (IN THE TYPESET). (INDEXED IN SCI-E, WEB OF SCIENCE, SCOPUS ETC.)**
3. **A.JALILA, D.JEYA MALA (2020), AUTOMATED OPTIMAL TEST DATA GENERATION FOR OCL SPECIFICATION USING HARMONY SEARCH ALGORITHM, INTERNATIONAL JOURNAL OF BUSINESS INTELLIGENCE AND DATA MINING, VOL.18, No.2, PP.231-259, 2020. INDEXED IN SCOPUS, ETC.**
4. **D.JEYA MALA, M.ESWARAN, (2018), “AN AGENT BASED INTELLIGENT DYNAMIC VULNERABILITY ANALYSIS FRAMEWORK FOR CRITICAL SQLIA ATTACKS: INTELLIGENT SQLIA VULNERABILITY ANALYZER AGENT”, INTERNATIONAL JOURNAL OF INTELLIGENT INFORMATION TECHNOLOGIES (IJIIT), VOL. 14, No. 3, 2018. IMPACT FACTOR:0.64 (INDEXED IN:SCIE ,WEB OF SCIENCE, SCOPUS, ELSEVIER COMPENDEX,SCIMAGO, DBLP, ETC)**

5. R.UMA MAHESWARI, D.JEYA MALA (2018), "HEURISTIC BASED TIME AWARE MULTI-CRITERIA TEST CASE PRIORITIZATION TECHNIQUE", ACCEPTED FOR PUBLICATION IN THE INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS AND CHANGE MANAGEMENT, PAPER ACCEPTED, INDEXED IN ELSEVIER ENGINEERING INDEX(EI COMPENDEX), SCOPUS, ETC., IMPACT FACTOR: 0.53
6. D.JEYA MALA, (2017), "INVESTIGATING THE EFFECT OF SENSITIVITY AND SEVERITY ANALYSIS ON FAULT PRONENESS IN OPEN SOURCE SOFTWARE", INTERNATIONAL JOURNAL OF OPEN SOURCE SOFTWARE AND PROCESSES, IGI-GLOBAL, VOL.8 No.2, 2017. INDEXED IN ELSEVIER ENGINEERING INDEX(EI COMPENDEX), SCOPUS, DBLP, ETC., IMPACT FACTOR: 0.53
7. B.SUBASHINI, D.JEYA MALA (2017), "TEST SUITE REDUCTION BASED ON TRACEABILITY MATRIX WITH ASSOCIATION RULE MINING TECHNIQUE", INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS AND CHANGE MANAGEMENT, 2017, PAPER ACCEPTED, INDEXED IN ELSEVIER ENGINEERING INDEX(EI COMPENDEX), SCOPUS, ETC., IMPACT FACTOR: 0.53
8. HAJA ALAUDEEN, E. KIRUBAKARAN AND D. JEYA MALA (2017), "GENETIC BAT ALGORITHM (GBA) FOR NEIGHBORING EMERGENCY DEPARTMENTS IN LOCATION BASED SERVICES (LBSs), JOURNAL OF ADVANCED RESEARCH IN DYNAMICAL AND CONTROL SYSTEMS, VOL.9, No.4, PP.88-97, INDEXED IN ELSEVIER SCOPUS
9. N.GUNASEELI, D.JEYA MALA (2017), "SECURING WEB APPLICATIONS FROM SQLIA USING PROGRESSIVE DETECTOR", INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS AND CHANGE MANAGEMENT, 2017 VOL.9, NO.1, PP.44 – 69. INDEXED IN ELSEVIER ENGINEERING INDEX(EI COMPENDEX), SCOPUS, ETC., IMPACT FACTOR: 0.53
10. D.JEYA MALA, R.UMA MAHESWARI (2015), COMBINED GENETIC AND SIMULATED ANNEALING APPROACH FOR TEST CASE PRIORITIZATION, INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY, (ISI INDEXED) -H INDEX 18, VOL. 5, No. 35, PP.1-5. DEC 2015
11. D.JEYA MALA, A.JALILA (2015), EARLY IDENTIFICATION OF SOFTWARE DEFECTS USING OCL PREDICATES TO IMPROVE SOFTWARE QUALITY, JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY, TAYLORS UNIVERSITY, © SCHOOL OF ENGINEERING, VOL. 10, No. 3, PP. 307 – 321, 2015
12. HAJA ALAUDEEN, E. KIRUBAKARAN, D. JEYA MALA (2015), "APPROACHES FOR UTILITY-BASED QoE/QoS ARCHITECTURE FOR STREAMING SERVER IN A HETEROGENEOUS WIRELESS DEVICE BASED ON SVM", TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT, VOL.10, No.3, PP.319-325, 2015, INDEXED IN ISI, WEB OF SCIENCE, SCIMAGO, SCIENCE DIRECT ETC.
13. D JEYA MALA, A JALILA (2015), IMPACT OF FAULT-PRONE COMPONENTS ON EFFECTIVE SOFTWARE TESTING: AN INDUSTRIAL SURVEY, INTERNATIONAL JOURNAL OF SYSTEMS AND SERVICE-ORIENTED ENGINEERING (IJSSOE), VOL.5, No.3, PP.38-51, (INDEXED IN GOOGLE SCHOLAR, INFOSCI INDEXED, ACM DIGITAL LIBRARY, DBLP, INSPEC, ETC)
14. R.UMA MAHESWARI, D.JEYA MALA (2015), "WOV BASED MULTI OBJECTIVE TEST CASE PRIORITIZATION", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, VOL. 10 No.55 (2015) PP 1165-1169 IN JUNE 2015, (INDEXED IN SCOPUS, SCIMAGO, INDEX COPERNICUS)
15. D.JEYA MALA, R.ISWARYA (2014), "A MULTI AGENT BASED APPROACH FOR CRITICAL COMPONENTS IDENTIFICATION AND TESTING", INTERNATIONAL JOURNAL OF SYSTEMS AND SERVICE-ORIENTED ENGINEERING (IJSSOE). IGI GLOBAL, 4(1), PP. 21-38, JANUARY-MARCH 2014

16. D.JEYA MALA A.JALILA (2014) , “FUNCTIONAL TESTING USING OCL- PREDICATES TO IMPROVE SOFTWARE QUALITY”, INTERNATIONAL JOURNAL OF SYSTEMS AND SERVICE-ORIENTED ENGINEERING (IJSSOE). IGI GLOBAL, VOLUME 5, ISSUE 2,PP.1-17
17. D.JEYA MALA, A.JALILA (2014), OBJECT-ORIENTED MODEL-BASED SPECIFICATION LANGUAGES: A COMPARISON, ACM SIGSOFT SOFTWARE ENGINEERING NOTES 39(5): 1-4 (2014)
18. D.JEYA MALA, A.JALILA (2013), EMPIRICAL EVIDENCE ON OCL FORMAL SPECIFICATION-BASED METRICS AS A PREDICTOR OF FAULT-PRONENESS. ACM SIGSOFT SOFTWARE ENGINEERING NOTES 38(5): 1-10 (2013)
19. D. JEYA MALA, S. BALAMURUGAN, K. SABARI NATHAN, (2013), CRITICALITY ANALYZER AND TESTER: AN EFFECTIVE APPROACH FOR CRITICAL COMPONENT IDENTIFICATION & VERIFICATION USING ABC, ACM SIGSOFT SOFTWARE ENGINEERING NOTES, VOLUME 38 ISSUE 6, NOVEMBER 2013, PAGES 1-12
20. D. JEYA MALA, K. SABARI NATHAN, S. BALAMURUGAN AND A. JALILA,“OCL FORMAL SPECIFICATION BASED METRICS AS A MEASURE OF COMPLEXITY AND FAULT- PRONENESS”, NATIONAL CONFERENCE ON RECENT TRENDS IN SOFTWARE TESTING (RTST 2013), PUBLISHED IN THE INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND INFORMATICS (IJCSI), VOLUME. 3, ISSUE. 2, 2013, PP. 24-33 69-79.
21. D. JEYA MALA, K. SABARI NATHAN, S. BALAMURUGAN AND A. JALILA,“ CRITICAL COMPONENTS IDENTIFICATION USING MUTATION BASED COMPONENTS IMPACT ANALYSIS”, NATIONAL CONFERENCE ON RECENT TRENDS IN SOFTWARE TESTING (RTST 2013), ORGANIZED BY NIT-ROORKHELA, PUBLISHED IN THE INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND INFORMATICS (IJCSI), VOLUME. 3, ISSUE. 2, 2013, PP. 24-33
22. D. JEYA MALA, K. SABARI NATHAN, S. BALAMURUGAN AND A. JALILA, “FAULT-PRONE COMPONENTS IDENTIFICATION FOR REAL TIME COMPLEX SYSTEMS BASED ON CRITICALITY ANALYSIS”, NATIONAL CONFERENCE ON RECENT TRENDS IN SOFTWARE TESTING (RTST 2013), ORGANIZED BY NIT-ROORKHELA, PUBLISHED IN THE INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND INFORMATICS (IJCSI), VOLUME. 3, ISSUE. 2, 2013, PP. 17-23.
23. D. JEYA MALA, K. SABARI NATHAN, S. BALAMURUGAN, (2013), CRITICAL COMPONENTS TESTING USING HYBRID GENETIC ALGORITHM. ACM SIGSOFT SOFTWARE ENGINEERING NOTES 38(5): 1-13
24. D. JEYA MALA, K. SABARI NATHAN, S. BALAMURUGAN AND A. JALILA (2013), COMPONENTS IMPACT ANALYZER WITH GENETIC ALGORITHM, ICTACT JOURNAL ON SOFT COMPUTING 3(4), 576-586
25. D.JEYAMALA,V.MOHAN (2010), AUTOMATED SOFTWARE TEST OPTIMIZATION FRAMEWORK - AN ARTIFICIAL BEE COLONY OPTIMIZATION BASED APPROACHINTERNATIONAL JOURNAL - IET - SOFTWARE VOL.4, No.5, PP.334-348, INDEXED IN SCI-E, SCOPUS, EI COMPENDEX ETC.
26. D.JEYAMALA,V.MOHAN (2009), ON THE USE OF INTELLIGENT AGENTS IN TEST SEQUENCE SELECTION AND OPTIMIZATION, IJCIA - INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE AND APPLICATIONS, VOL.8, No.2, PP. 155-179, INDEXED IN SCOPUS, COMPENDEX ETC.
27. D.JEYAMALA,V.MOHAN (2010), A HYBRID TEST OPTIMIZATION FRAMEWORK COUPLING GENETIC ALGORITHM WITH LOCAL SEARCH TECHNIQUE INTERNATIONAL JOURNAL - COMPUTING AND INFORMATICSVOL.29, No.1, PP. 133-164, 2010, INDEXED IN ISI, SCI, SCOPUS, ETC.
28. D.JEYAMALA, V.MOHAN (2010), QUALITY IMPROVEMENT AND OPTIMIZATION OF TEST CASES - A HYBRID GENETIC ALGORITHM BASED APPROACH, INTERNATIONAL JOURNAL - ACM SIGSOFT SOFTWARE ENGINEERING NOTES, VOL.35 No.3, PP.1-14, 2010

29. D.JEYAMALA, V.MOHAN (2009), ABC TESTER ARTIFICIAL BEE COLONY OPTIMIZATION FOR SOFTWARE TEST SUITE OPTIMIZATION, IJSE INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING, ISSUED BY SOFTWARE ENGINEERING CONSORTIUM, GOVT.OF EGYPT , VOL.2, No.2, pp.15-48, 2009
30. D.JEYAMALA, V.MOHAN (2008), HYBRID TESTER: AN AUTOMATED HYBRID GENETIC ALGORITHM BASED TEST CASE OPTIMIZATION FRAMEWORK FOR EFFECTIVE SOFTWARE TESTING, INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE : THEORY AND PRACTICE (IJCITP), VOL.3, No. 2, pp. 81-94, 2008
31. D.JEYAMALA, V.MOHAN (2008), INTELLIGENT TEST CASE OPTIMIZER: TEST CASE OPTIMIZATION USING HYBRID GENETIC ALGORITHM, INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS, , VOL.1, No. 1, pp. 51-55, 2008
32. D.JEYAMALA, V.MOHAN (2008), INTELLIGENTESTER :TEST SEQUENCE OPTIMIZATION FRAMEWORK USING MULTI AGENTS, JOURNAL OF COMPUTERSVOL.3, No.6, pp. 39-46, 2008

13. CHAPTERS PUBLISHED IN BOOKS

S. No.	BOOK NAME	TITLE OF THE CHAPTER	YEAR	PAGE NO.	ISBN	PUBLISHER
1.	SOFTWARE ENGINEERING IN THE ERA OF CLOUD COMPUTING	TOWARDS GREEN SOFTWARE TESTING IN AGILE AND DEVOPS USING CLOUD VIRTUALIZATION FOR ENVIRONMENTAL PROTECTION, SPRINGER BOOK TITLED "SOFTWARE ENGINEERING IN THE ERA OF CLOUD COMPUTING", JAN 2020, SPRINGER NATURE	2020	657-678	978-3-030-33623-3	SPRINGER NATURE
2.	SMART AND INNOVATIVE TRENDS IN NEXT GENERATION COMPUTING TECHNOLOGIES	INTELLIGENT VULNERABILITY ANALYZER —A NOVEL DYNAMIC VULNERABILITY ANALYSIS FRAMEWORK FOR MOBILE BASED ONLINE APPLICATIONS", LNCS SPRINGER CCIS - SERIES ISSN No: 1865-0929. INDEXED IN DBLP, GOOGLE SCHOLAR, EI-COMPENDEX, MATHEMATICAL REVIEWS, SCIMAGO, SCOPUS	2017	805-823	1865-0929	LNCS SPRINGER
3.	MODERN SOFTWARE ENGINEERING METHODOLOGIES FOR MOBILE AND CLOUD ENVIRONMENTS	A STUDY ON SOFTWARE DEVELOPMENT ARCHITECTURES FOR MOBILE CLOUD COMPUTING (MCC) FOR GREEN IT: A CONCEPTUAL MOBILE CLOUD ARCHITECTURE USING ARTIFICIAL BEE COLONY-BASED APPROACH", PUBLISHED IN THE BOOK ON " MODERN SOFTWARE ENGINEERING METHODOLOGIES FOR MOBILE AND CLOUD ENVIRONMENTS", IGI-GLOBAL PUBLISHERS, 2016, ISBN13: 9781466699168	2016	21-33	9781466699168	IGI-GLOBAL PUBLISHERS
4.	INTEGRATING THE INTERNET OF THINGS INTO SOFTWARE ENGINEERING BEST PRACTICES	IoT FUNCTIONAL TESTING USING UML USE CASE DIAGRAMS: IoT IN TESTING", IN THE BOOK INTEGRATING THE INTERNET OF THINGS INTO SOFTWARE ENGINEERING BEST PRACTICES	2019	125-145	9781522577904	IGI-GLOBAL PUBLISHERS
5.	COMPUTER SYSTEMS AND SOFTWARE ENGINEERING: CONCEPTS, TOOLS AND APPLICATION	A MULTI AGENT BASED APPROACH FOR CRITICAL COMPONENTS IDENTIFICATION AND TESTING" IN THE BOOK "COMPUTER SYSTEMS AND SOFTWARE ENGINEERING: CONCEPTS, TOOLS AND APPLICATIONS	2018	657-678	9781522539230	IGI-GLOBAL PUBLISHERS
6.	HANDBOOK OF RESEARCH ON E-ASSESSMENT IN HIGHER EDUCATION	E-ASSESSMENT OF COGNITIVE SKILLS IN OUTCOME-BASED EDUCATION FOR OBJECT-ORIENTED PROGRAMMING: A GRADUATE-LEVEL	2018	432-453	9781522559368	IGI-GLOBAL PUBLISHERS

		EXPERIMENTAL REPORT", PUBLISHED IN THE BOOK "HANDBOOK OF RESEARCH ON E-ASSESSMENT IN HIGHER EDUCATION" PP.432-453, IGI GLOBAL, (IDEA GROUP, USA), ISBN13: 9781522559368, 2018				
7.	KNOWLEDGE ENGINEERING FOR SOFTWARE DEVELOPMENT LIFE CYCLES: SUPPORT TECHNOLOGIES AND APPLICATIONS,	KNOWLEDGE ENGINEERING SUPPORT FOR INTELLIGENT SOFTWARE TEST OPTIMIZATION, 211-244, BOOK :KNOWLEDGE ENGINEERING FOR SOFTWARE DEVELOPMENT LIFE CYCLES: SUPPORT TECHNOLOGIES AND APPLICATIONS,	2011	211-243	9781609605094L	IGI-GLOBAL PUBLISHERS
8.	INFORMATION SYSTEMS, TECHNOLOGY AND MANAGEMENT	"INTELLIGENT TEST SEQUENCE OPTIMIZATION USING GRAPH BASED SEARCHING TECHNIQUE", PP. 10-19, INFORMATION SYSTEMS, TECHNOLOGY AND MANAGEMENT, ALLIED PUBLISHERS PVT.LTD,	2007	18-23	81-8424-182-8	ALLIED PUBLISHERS
9.	SOFTWARE SAFETY AND SECURITY	"INTELLIGENT TEST CASE OPTIMIZATION USING HYBRID GENETIC ALGORITHM", PP.669 – 778, MCMILLAN PUBLISHERS	2008	212-227	0230-63441-9	MCMILLAN PUBLISHERS

14. BOOKS PUBLISHED

S. No.	BOOK NAME	YEAR	PUBLISHER	ISBN
1.	OBJECT ORIENTED ANALYSIS AND DESIGN USING UML, 2013, TATA MCGRAW HILL PUBLICATIONS, 1ST EDITION	2013	TATA MCGRAW HILL PUBLISHERS, INDIA	978-1-75900624-6

15. EDITED BOOKS

S. No.	BOOK NAME	YEAR	PUBLISHER	ISBN
1	INTEGRATING THE INTERNET OF THINGS INTO SOFTWARE ENGINEERING BEST PRACTICES, 2019	2019	IGI GLOBAL PUBLISHERS, USA	9781522577904

16. REVIEW ON BOOKS/JOURNALS

- IEEE TRANSACTIONS ON SOFTWARE ENGINEERING
- IET – SOFTWARE
- ELSEVIER INS JOURNAL
- SPRINGER JAAMAS JOURNAL
- SPRINGER – NEURAL COMPUTING JOURNAL
- SPRINGER - JZUS JOURNAL
- INTERNATIONAL JOURNAL OF METAHEURISTICS
- IGI GLOBAL PUBLISHERS JOURNALS, ETC.

17. MEMBER IN EDITORIAL BOARD OF NATIONAL/INTERNATIONAL JOURNALS

- EDITORIAL REVIEW BOARD MEMBER – IJHIOT
- EDITORIAL REVIEW BOARD MEMBER – INTERNATIONAL CONFERENCE ON AI, ROBORICA

- **PROGRAM COMMITTEE MEMBER – MOSARKA RESEARCH FOUNDATION ORGANIZED CONFERENCE MI-INTELLIGENT 2020**
- **NATIONAL TECHNICAL ADVISORY BOARD MEMBER – ICD CET CONFERENCE**

18. ENDOWMENT LECTURES DELIVERED

S. No.	INSTITUTION	NAME OF THE ENDOWMENT	THEME/TITLE	DATE
1.	FATIMA COLLEGE, MADURAI	SILVER JUBILEE ENDOWMENT LECTURE OF CSC DEPT.	AGILE SOFTWARE ENGINEERING BEST PRACTICES	2017

19. MAJOR ASSIGNMENTS

S. No.	MAJOR ASSIGNMENT	INSTITUTION	THEME/TITLE	DATE
1.	NAAC –R&D COORDINATOR	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	NAAC –R&D COORDINATOR	2017-2019
2.	SINGLE NODAL PERSON OF CONTACT	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	MICROSOFT – SINGLE NODAL PERSON OF CONTACT	2007-2010

20. ACHIEVEMENTS

S. No.	NAME OF THE AWARD	AWARD RECEIVED FOR	SPONSORS / SOURCE	DATE
1.	BEST ORAL PRESENTER AWARD	BEST ORAL PRESENTATION AT – MALAYSIAN INTERNATIONAL VIRTUAL CONFERENCE GCSGD 2020	NILAI UNIVERSITY, MALAYSIA AND EINSTEIN RESEARCH FOUNDATION	2020
2.	PASS CERTIFICATE WITH 100% SCORE IN NPTEL-SWAYAM COURSE ON “CLOUD COMPUTING AND DISTRIBUTED SYSTEMS”	100% SCORE IN NPTEL-SWAYAM COURSE	NPTEL-SWAYAM, ORGANIZED BY IIT-KANPUR	2020
3.	SUBJECT EXPERT IN OBJECT ORIENTATION BY UDEMY	PROVIDER OF COURSE ON “LEARN OOAD WITH UML IN INDUSTRIAL PERSPECTIVE”	UDEMY	2020
4.	TOP PERFORMER AWARD	HIGHEST SCORE IN METIRING THE MENTORS IN EDUCATION TECHNOLOGY	IIT-BOMBAY	2018
5.	CERTIFICATE OF EXCELLENCE	HIGHEST SCORE IN TWO COURSES IN EDUCATION TECHNOLOGY	IIT-BOMBAY	2017
6.	WHO’S WHO IN SEBASE (SEARCH BASED SOFTWARE ENGINEERING REPOSITORY)	PUBLICATIONS MADE IN SEARCH BASED SOFTWARE ENGINEERING RESEARCH	UNIVERSITY COLLEGE OF LONDON, UK	2015 TO TILL DATE
7.	BEST TECHNO FACULTY AWARD	TECHNICAL EXPERTISE IN ICT BASED TEACHING AND LEARNING	ICT ACADEMY OF TAMILNADU (ICTACT) (A GOVT. INITIATIVE)	2016
8.	BEST POSTER AWARDEE FOR THE YEAR 2016	BEST POSTER SELECTED FOR THE YEAR 2016	INDIAN SCIENCE CONGRESS ASSOCIATION (ISCA), AN INITIATIVE OF DST, GOVT. OF INDIA.	2016
9.	MENTOR OF FINALISTS IN CSI-INAPP AWARD	MENTORING THE TEAM WHO WERE WENT FOR THE NATIONAL LEVEL COMPETITION FINAL LEVEL	COMPUTER SOCIETY OF INDIA, IN-APP	2018
10.	OUTSTANDING WOMEN IN	CONTRIBUTION IN RESEARCH IN	VENUS INTERNATIONAL FOUNDATION	2018

	SCIENCE	SCIENCE		
11.	TRAVEL AWARD TO CHAIR THE INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING, THAILAND	CHAIR THE INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING AT THAILAND	ASDF, UK	2014
12.	MARQUIS WHO'S WHO IN THE WORLD	CONTRIBUTION IN SOFTWARE ENGINEERING RESEARCH	MARQUIS' WHO'S WHO	2019
13.	MARQUIS WHO'S WHO IN SCIENCE AND ENGINEERING	CONTRIBUTION IN SOFTWARE ENGINEERING RESEARCH	MARQUIS' WHO'S WHO	2018
14.	BEST PRACTICE AMONG TOP 27 PRACTICES IN SOFTWARE TESTING TOOL DEVELOPMENT	SELECTION OF DEVELOPED TOOL AMONG INDUSTRIAL COUNTERPARTS	QAI, USA	2017
15.	CERTIFICATE OF APPRECIATION FROM IBM FOR MENTOR OF TOP 20 PROJECTS AWARD	MENTORING THE STUDENTS NATIONAL LEVEL PROJECT CONTEST – THE GREAT MIND CHALLENGE 2007	IBM, INDIA	2007
16.	BEST PARTICIPANT RAISED TO INDUSTRIAL STANDARDS	HAVING DEVELOPED CERTIFICATION COURSE CONTENT FOR HONEYWELL	BONEYWELL, MADURAI	2007
17.	CERTIFICATE OF MERIT IN MTC GOLD MEDAL EXAMINATION	SECURED FIRST CLASS IN MATHS GOLD MEDAL EXAM	MTC, MADURAI	1991
18.	CERTIFICATE OF APPRECIATION IN TAMIL	SECURED FIRST CLASS IN TAMIL EXAM	MADURAI TAMIL SANGAM	1991

21. PROJECT UNDERTAKEN

S. No.	TITLE OF PROJECT	POSITION	SPONSORED BY	DATE & YEAR	SANCTIONED AMOUNT
1.	CRITICAL COMPONENTS IDENTIFICATION AND VERIFICATION FOR REAL TIME COMPLEX SYSTEMS USING ARTIFICIAL BEE COLONY BASED APPROACH	PRINCIPAL INVESTIGATOR	UGC, NEW DELHI	JUNE 2011-2014	10,09,600/-

22. MEMBERSHIP IN PROFESSIONAL BODIES

S. No.	NAME OF THE POSITION	NAME OF THE BODY	DURATION
1.	ACM – ASSOCIATION OF COMPUTING MACHINERY, MEMBER	ACM	LIFETIME
2.	ACM-W - MEMBER	ACM	LIFETIME
3.	CSI - COMPUTER SOCIETY OF INDIA – LIFE MEMBER	CSI	LIFETIME
4.	ISCA - INDIAN SCIENCE CONGRESS ASSOCIATION – LIFE MEMBER	ISCA	LIFETIME
5.	I-SOFT – INDIAN CHAPTER OF ACM-SIG ON SOFTWARE ENGINEERING (SIGSOFT) – MEMBER	I-SOFT	LIFETIME
6.	ACEEE – ASSOCIATION OF COMPUTER ELECTRONICS AND ELECTRICAL ENGINEERS – MEMBER	ACEEE	LIFETIME
7.	WASET – WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY – INVITED MEMBER	WASET	LIFETIME

23. CONSULTANCY / RADIO TALK / TV SHOWS

S. No.	CONSULTANT / RADIO TALK /	CONSULTANCY (ON/FOR) / THEMES	INSTITUTION / ORGANISATION	DATE	HONOURARY CONSULTANCY / AMOUNT RECEIVED	AMOUNT (RS.)
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	TV SHOWS				THROUGH CONSULTANCY	
1.	CONSULTANCY	COURSE BOOK ON "INNOVATION ON TECHNOLOGY MANAGEMENT"	D.Y.PATIL UNIVERSITY, PUNE	01/07/2020	CONSULTANCY	RS. 20000
2.	CONSULTANCY	VIDEO LECTURER	IGI GLOBAL	2017	CONSULTANCY	US \$ 200

24. FOREIGN COUNTRIES VISITED ON ACADEMIC ASSIGNMENTS/TRAINING/INVITED PROGRAMME

- THAILAND TO CHAIR THE INTERNATIONAL CONGRESS ON "SOFTWARE ENGINEERING" IN 2016.

25. ANY OTHER

DETAILS OF INDUSTRIAL EXPERIENCE			
S No.	WORK CARRIED OUT	DEVELOPMENT ENVIRONMENT	NATURE OF WORK
1.	A.PR.AGENCIES, MADURAI (AGENTS FIRM OF MADURA COATS LTD.)		COMPUTER PROGRAMMER
2.	CLIENT OFFICE AUTOMATION FOR MADURA COATS' AGENT'S FIRM TO AUTOMATE THE TEXTILES E-COMMERCE APPLICATION	UNIX WITH COBOL	PROGRAMMING, REPORT GENERATION, AUTOMATION OF WORKS AND ESTABLISHMENT OF BRANCH OFFICE
3.	BRANCH OFFICE – AUTOMATION	UNIX WITH COBOL AND FOXPRO	ENTIRE WORKFLOW AUTOMATION FROM FLOOR LEVEL TO PRODUCT DELIVERY LEVEL
PEDAGOGICAL EXPERIENCE			
S. No.	BRIEF DESCRIPTION	ORGANIZATION FOR WHICH IT WAS DEVELOPED	LEVEL: (PG/UG)
1.	THINK PAIR SHARE	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
2.	FLIPPED CLASSROOM	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
3.	PEER INSTRUCTION	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
4.	VIDEO PRESENTATION	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
5.	DISCUSSION FORUM	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG

(B) DESIGN OF NEW CURRICULA AND COURSES

S. No.	BRIEF DESCRIPTION	ORGANIZATION FOR WHICH IT WAS DEVELOPED	LEVEL: (PG/UG)
	2017-2018		
1.	SOFTWARE QUALITY AND TESTING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
2.	OBJECT ORIENTED MODELING AND DESIGN PATTERNS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
3.	JAVA TECHNOLOGIES	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
4.	INTERNET OF THINGS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
5.	AGILE SOFTWARE DEVELOPMENT	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG

6.	OBJECT ORIENTED PROGRAMMING USING C++	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
7.	OBJECT TECHNOLOGY & UML	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
8.	SOFTWARE ENGINEERING LABORATORY	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
9.	ENTERPRISE APPLICATIONS DEVELOPMENT LABORATORY	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
10.	INTERNET OF THINGS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
	2016-2017		
11.	OBJECT ORIENTED PROGRAMMING USING C++	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
12.	OBJECT ORIENTED ANALYSIS AND DESIGN	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
13.	INTERNET AND JAVA PROGRAMMING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
14.	SOFTWARE ENGINEERING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
15.	SOFTWARE ENGINEERING LAB	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
	2014-2015		
16.	DATA STRUCTURES	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
17.	OBJECT ORIENTED PROGRAMMING USING C++	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
18.	INTERNET AND JAVA PROGRAMMING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
19.	SOFTWARE ENGINEERING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
20.	INTERNET AND JAVA PROGRAMMING LABORATORY	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
21.	OBJECT ORIENTED ANALYSIS AND DESIGN	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
22.	SOFTWARE PROJECT MANAGEMENT	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
23.	SOFTWARE ENGINEERING LABORATORY	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
	2012-2013		
24.	OBJECT ORIENTED ANALYSIS AND DESIGN	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
25.	SOFTWARE ENGINEERING LABORATORY	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
26.	SOFTWARE PROJECT MANAGEMENT	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
27.	SOFTWARE ARCHITECTURE	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
	2011-2012		
28.	INTERNET AND JAVA PROGRAMMING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
29.	SOFTWARE ENGINEERING	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
30.	INTERNET AND JAVA PROGRAMMING LAB	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
31.	OBJECT ORIENTED ANALYSIS AND DESIGN	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
32.	SOFTWARE PROJECT MANAGEMENT	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
33.	SOFTWARE ARCHITECTURE	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG

34.	SOFTWARE ENGINEERING LABORATORY	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
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(C) MOOCS

S. No.	BRIEF DESCRIPTION	ORGANIZATION FOR WHICH IT WAS DEVELOPED	LEVEL: (PG/UG)
1.	MOOC COURSE "LEARN OBJECT ORIENTED ANALYSIS AND DESIGN WITH UML IN INDUSTRIAL PERSPECTIVE" DEVELOPED IN UDEMY	UDEMY	FOR ALL LEVEL OF STUDENTS
2.	CONTENT WRITER/SUBJECT MATTER EXPERT FOR EACH MODULE OF THE COURSE HANDLED – EDMODO	FATIMA COLLEGE, MADURAI	PG
3.	CONTENT PREPARED AND PROVIDED AS YOUTUBE VIDEOS AND ONLINE LECTURE NOTES IN EDMODO	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG

(D) E-CONTENT

S No.	BRIEF DESCRIPTION	ORGANIZATION FOR WHICH IT WAS DEVELOPED	LEVEL: (PG/UG)
1.	E-CONTENT IN THE FORM OF PPTS, DOCUMENTS, VIDEO LECTURES FOR 3 COURSES FROM 2014 ONWARDS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
2.	E-CONTENT IN THE FORM OF PPTS, DOCUMENTS, VIDEO LECTURES FOR 5 MODULES IN 3 COURSES FROM 2014 ONWARDS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
3.	CONTENT CREATOR OF ALL THE THREE COURSES IN EACH YEAR FROM 2014 ONWARDS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG
4.	EDITOR OF ALL THE THREE COURSES IN EACH YEAR FROM 2014 ONWARDS	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	PG

(E) WORKSHOPS/SEMINARS ORGANIZED:

1 DAY WEBINAR ON "CLOUD SECURITY TOOLS" AT FATIMA COLLEGE, MADURAI, 28/05/2020

2 DAY ONLINE FDP ON "NEW NORMAL – PEDAGOGICAL TOOLS FOR ONLINE TEACHING", AT FATIMA COLLEGE, MADURAI, 11/05/2020 TO 12/05/2020

AICTE-QIP SPONSORED ONE WEEK SHORT TERM PROGRAMME ON "DATA SCIENCE FOR IOT" AT THIAGARAJAR COLLEGE OF ENGINEERING, 2019

LDRA SUPPORTED FACULTY DEVELOPMENT PROGRAM ON "SOFTWARE SAFETY AND SECURITY", 2017

COMPUTER SOCIETY OF INDIA (CSI) SUPPORTED INDIAN CONFERENCE ON 'RESEARCH IDEAS IN SOFTWARE ENGINEERING AND SECURITY' (A RUN-UP EVENT OF ICSE'14) DURING AUG 19TH AND 20TH 2013

IARCS SUPPORTED "INSTRUCTIONAL COURSE ON RIGOROUS SOFTWARE ENGINEERING", 2013

"J2EE 1.4 API TECHNOLOGY IN SERVICE ORIENTED COMPUTING", 2004

(F) INVITED TALKS IN ADVANCED RESEARCH

S. No.	TITLE OF THE INVITED LECTURE/PAPER PRESENTED	TITLE OF CONFERENCE/ SEMINAR ETC.	ORGANISED BY	DATE OF PRESENTATION	LEVEL
1.	"EDMODO – AN LMS FOR EFFECTIVE ONLINE TEACHING"	NEW DIRECTIONS AND DIMENSIONS IN HIGHER EDUCATION",	APA COLLEGE, PALANI	12/06/2020	NATIONAL
2.	INVITED LECTURE AT MLIS	INTERNATIONAL	NATIONAL DONG HWA		INTERNATIONAL

	CONFERENCE, TAIWAN	CONFERENCE ON MACHINE LEARNING AND INTELLIGENT SYSTEMS (MLIS 2009)	UNIVERSITY, TAIWAN	19/11/2019 - 23/11/2019	(ABROAD)
3.	INVITED TALK ON "SEARCH BASED SOFTWARE TESTING" AT SERI 2019	ACM - INDIAN SIG ON SOFTWARE ENGINEERING (SIGSOFT)	IISC BANGALORE	14/07/2019	NATIONAL
4.	KEY NOTE ADDRESS ON "SOFTWARE ENGINEERING RESEARCH"	INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING	ASDF, THAILAND	19-11-2014	INTERNATIONAL (ABROAD)
5.	CONFERENCE CHAIR ADDRESS	INTERNATIONAL CONGRESS ON SOFTWARE ENGINEERING	ASDF, THAILAND	19/11/2014 - 21/11/2014	INTERNATIONAL (ABROAD)
6.	SILVER JUBILEE ENDOWMENT LECTURE	GOLDEN JUBILEE ENDOWMENT LECTURE SERIES	FATIMA COLLEGE, MADURAI	10/02/2017	UNIVERSITY LEVEL
7.	VALEDICTORY ADDRESS	TECHMEET 2018	FATIMA COLLEGE, MADURAI	31/08/2018	STATE
8.	INVITED LECTURE ON "OOAD USING UML"	LECTURE SERIES	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL	28/03/2018	UNIVERSITY LEVEL
9.	GUEST LECTURE ON "OBJECT ORIENTED ANALYSIS AND DESIGN - MAPPING UML AND CODE IMPLEMENTATION"	LECTURE SERIES	KLN INSTITUTE OF TECHNOLOGY, SIVAGANGAI	27/08/2018	UNIVERSITY LEVEL
10.	BUSINESS ANALYTICS - ASSOCIATION VALEDICTORY ADDRESS	ASSOCIATION VALEDICTORY ADDRESS	LADY DOAK COLLEGE, MADURAI	27/11/2017	STATE LEVEL
11.	ANDROID BASED MOBILE APPLICATION DEVELOPMENT	LECTURE SERIES	GOVT.COLLEGE OF ENGINEERING (GCE), TIRUNELVELI	19/02/2016	UNIVERSITY LEVEL
12.	SPECIAL LECTURE ON "WEB ANALYTICS"	SPECIAL LECTURE	MADURAI SIVAKASI NADARS PIONEER MEENAKSHI WOMEN'S COLLEGE, POOVANTHI	26/07/2016	UNIVERSITY LEVEL
13.	INDUSTRIAL PERSPECTIVE OF SOFTWARE ENGINEERING	STATE LEVEL SEMINAR ON "INDUSTRIAL PERSPECTIVE OF SOFTWARE DEVELOPMENT LIFECYCLE"	MANGAYARKARASI COLLEGE OF ARTS AND SCIENCE FOR WOMEN	31/01/2015	STATE LEVEL
14.	GREEN IT THROUGH MOBILE COMPUTING	ASSOCIATION VALEDICTORY ADDRESS	THE AMERICAN COLLEGE, MADURAI	12/08/2014	STATE LEVEL
15.	GREEN SOFTWARE TESTING ON THE CLOUD	SESSION CHAIR ADDRESS	PES INSTITUTE OF TECHNOLOGY, BANGALORE - NATIONAL CONFERENCE ON SOFTWARE TESTING	18/10/2013	NATIONAL LEVEL
16.	.NET ARCHITECTURE	NATIONAL LEVEL SEMINAR	K.L.N. COLLEGE OF INFORMATION TECHNOLOGY	03/04/2012	NATIONAL LEVEL
17.	SOFTWARE TESTING AND QUALITY ASSURANCE	LECTURE SERIES	KAMARAJ COLLEGE OF ENGINEERING, VIRUDHUNAGAR	21/01/2011	UNIVERSITY LEVEL

18.	WEB APPLICATION TESTING	UGC SPONSORED STATE LEVEL WORKSHOP ON "WEB ENGINEERING"	MEENAKSHI ARTS AND SCIENCE COLLEGE	10/03/2010	STATE LEVEL
19.	SOFTWARE DEVELOPMENT – MYTHS AND REALITY	STATE LEVEL TECHNICAL MEET	PANDIAN SARASWATHU YADHAV ENGINEERING COLLEGE, SIVAGANAGAI	04/03/2010	STATE LEVEL
20.	GENETIC ALGORITHMS AND THEIR APPLICATIONS	NATIONAL LEVEL WORKSHOP ON SOFT COMPUTING	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL	14/03/2008 - 15/03/2008	NATIONAL LEVEL
21.	WML AND WAP	STATE LEVEL SEMINAR ON "MOBILE COMPUTING"	LADY DOAK COLLEGE, MADURAI	09/08/2007	STATE LEVEL
22.	SOFTWARE ENGINEERING	NATIONAL LEVEL IUCEE LECTURE	THIAGARAJAR COLLEGE OF ENGINEERING	31/01/2009	NATIONAL LEVEL
23.	SOFTWARE ENGINEERING	RESOURCE PERSON FOR TCS RECRUITED STUDENTS AT TCE	THIAGARAJAR COLLEGE OF ENGINEERING	05/12/2005	UNIVERSITY LEVEL

(G) OTHER RECOGNITIONS (AUTHORED BOOK IN SYLLABUS OF REPUTED INSTITUTIONS):

- THE BOOK AUTHORED HAS BEEN PRESENT IN THE SYLLABUS OF THE FOLLOWING UNIVERSITIES / INSTITUTIONS:
- UNIVERSITY OF KENT, UK
- UNIVERSITI MALAYSIA, PAHANG
- BHARATHIDASAN UNIVERSITY, TRICHY, (MCA SYLLABUS)
- BMS COLLEGE OF ENGINEERING, BANGALORE (AFFILIATED TO VTU),
- JECRC UNIVERSITY, SCHOOL OF ENGINEERING, 2016

(H) COLLEGE / DEPARTMENT LEVEL ROLES AND RESPONSIBILITIES:

ADMINISTRATIVE POSITIONS

INSTITUTION LEVEL

- ERP INCHARGE FOR CAMPUS AUTOMATION
- NAAC – R&D COORDINATOR
- COORDINATOR FOR ISOFT PROGRAMMES
- SINGLE NODAL PERSON OF CONTACT FOR MICROSOFT (FROM 2007 TO 2009)
- CERTIFICATION EXAMS CONDUCTED ON .NET FROM MICROSOFT AND SOFTWARE TESTING FROM HP

DEPARTMENT LEVEL

- LAB-IN-CHARGE (BUSINESS ANALYTICS LAB)
- R&D COORDINATOR
- NAAC R&D COORDINATOR
- PROJECT IN-CHARGE
- INTERNAL TEST IN-CHARGE
- EXAM ANALYSIS IN-CHARGE
- SIG IN-CHARGE
- ASSOCIATION CONTESTS QUIZ, SDLC IN-CHARGE
- PURCHASE COMMITTEE MEMBER
- MENTORSHIP
- MENTOR OF PG FINAL YEARS
- GUIDE FOR STUDENTS PROJECTS IN NATIONAL LEVEL PROJECT CONTESTS
- EPICS PROJECT MENTOR
- CSI-INAPP PROJECT MENTOR (SELECTED AS FINALISTS)

- IIT-BOMBAY “IOT CHALLENGE CONTEST” MENTOR (SELECTED FOR FINAL ROUND AMONG 5 TEAMS)
- MENTOR OF L7 HACKATHON (AWARD RECEIVED)
- MENTOR OF SMART INDIA HACKATHON TEAMS (THREE TEAMS HAVE PARTICIPATED)

(I) EXTRA CURRICULAR ACTIVITIES

NSS ACTIVITIES - PARTICIPATED IN EDUCATION OUTREACH PROGRAMMES AS PART OF NSS ACTIVITIES AT UG LEVEL

SPORTS – CHESS

(J) TOOLS DEVELOPED:

JIMPACT ARBITOR – A TOOL FOR CRITICAL COMPONENTS IDENTIFICATION AND TESTING USING HYBRID GENETIC ALGORITHM IS DEVELOPED USING JAVA

THIS TOOL AUTOMATICALLY EXTRACTS THE CONNECTED COMPONENTS IN A PACKED SOFTWARE PRODUCT, GENERATES A DEPENDENCY GRAPH, GENERATES TEST CASES, USING HYBRID GENETIC ALGORITHM (HGA), GENERATES MUTANTS AND FINALLY AUTOMATICALLY EXECUTES THE TEST CASES AND GENERATES A TEST REPORT.

IC TESTER – A TOOL FOR CRITICAL COMPONENTS IDENTIFICATION AND TESTING USING ARTIFICIAL BEE COLONY ALGORITHM (ABC) IS DEVELOPED USING JAVA

THIS TOOL FINDS THE COMPLEXITY AND SEVERITY LEVEL OF ALL THE COMPONENTS IN THE SOFTWARE AND THEN GENERATES A PRIORITIZED LIST OF CRITICAL COMPONENTS. THEN IT APPLIES ABC TO GENERATE THE TEST CASES AND EXECUTE THEM ON THE SOFTWARE TO ENSURE BRANCH COVERAGE BASED TEST ADEQUACY. THIS TOOL ALSO FINALLY GENERATES A TEST REPORT TO THE TESTERS AUTOMATICALLY,

(K) TEACHING PHILOSOPHY

- **MY OBJECTIVE IN TEACHING IS TO LEARN, TEACH, INSPIRE AND MOTIVATE THE YOUNG MINDS TO PREPARE THEM AS FUTURE LEADERS IN THEIR DOMAIN.**
- **I STRONGLY BELIEVE THAT, TEACHING IS THE ONLY PROFESSION THAT CAN BRING REWARDING EXPERIENCES TO THE STUDENTS TO MEET THE REAL WORLD CHALLENGES. ALSO, THE KNOWLEDGE THAT I GATHERED THROUGH MY EDUCATION AND RESEARCH IS ONLY VALUABLE IF IT IS SHARED WITH OTHERS.**
- **AS SUCH, DURING MY TEACHING AND LEARNING PROCESS, I HAD THE OPPORTUNITY TO TEACH AND MOTIVATE BOTH UNDERGRADUATE AND POSTGRADUATE STUDENTS. MY TEACHING FOLLOWS OUTCOME BASED EDUCATION (OBE) AND ABET (ACCREDITATION BOARD OF ENGINEERING AND TECHNOLOGY).**
- **AS A SUMMARY, BY ADOPTING MY TEACHING PHILOSOPHY THAT COMBINES THEORETICAL AND PRACTICAL EXPERTISE, MY GOAL IS TO INCULCATE INDUSTRIAL BEST PRACTICES IN STUDENTS BY TRANSMITTING THE KNOWLEDGE THAT I GATHERED DURING YEARS OF TEACHING AND LEARNING AND RESEARCH.**