Dr.B.Balakumar B.Tech., M.Tech., Ph.D
Assistant Professor,
Centre for Information Technology and Engineering,
Manonmaniam Sundaranar University,
Tirunelveli – 627 012.
Mobile No: (0)9600348877
Email primary: balakumarcite@msuniv.ac.in
Email secondary: balakumarmsu@gmail.com

CAREER OBJECTIVE:-

To work for an organization that promotes professional excellence so that I can learn and give my best for a mutually beneficial and satisfying career.

PERSONAL SKILLS:-

Comprehensive problem solving abilities, excellent verbal communications skill, Ability to deal with diplomatically, Willingness to learn.

ACADEMIC RECORDS:-

Course	Name of the School/ College	Name of the Board/ University	Year of Passing
M. Tech Computer & Information Technology	Manonmaniam Sundaranar University, Tirunelveli	Manonmaniam Sundaranar University, Tirunelveli	2006
B.Tech Electronics & Communications	National Institute of Technology(Formally called Regional Engineering College),Hamirpur ,Himachala Pradesh.	Himachala Pradesh University	2003
HSC Maths & Science First Group	T.N. P.M.M.N. Hr.Sec.School, Dhalavaipuram,	Tamil Nadu State Board	1995
SSLC As Per Tamil Nadu State Board Syllabus	T.N. P.M.M.N. Hr.Sec.School, Dhalavaipuram,	Tamil Nadu State Board	1993

EXPERIENCE:-
Appointments held prior to joining this institution:-

Designation	Name of the Institution	Date of Joining		Salary with Grade Pay	Reason of leaving
		Joining	Leaving		
Lecturer	Latha Madhavan Polytechnic College , Alagar Kovil Madurai	Feb 2004	July 2004	6000/-	For Higher Studies
Lecturer	Nehru Institute of Engineering & Technology, Coimbatore	June 2006	Feb 2008	12000/-	Appointed as Assistant Professor in Infant Jesus College of Engineering , Keelavallanadu, Tuticorin,
Assistant Professor	Infant Jesus College of Engineering, keelavallanadu, Tuticorin	Aug 2008	19.12.2009	16000/-	Appointed as Assistant Professor on regular basis in CITE, MSU
Assistant Professor	Manonmaniam Sundaranar University	21.12.2009	Till date	15600-39100 + AGP 6,000/-	--

Posts held after appointment at this institution:-

Designation	Department	Date of actual Joining		Salary with Grade Pay
		From	To	
Assistant Professor (Stage I)	Centre for Information Technology and Engineering	21.12.2009	20.12.2014	Pay Band 15600-39100+AGP 6000
Assistant Professor (Stage II)	Centre for Information Technology and Engineering	21.12.2014	20.12.2019	Pay Band 15600-39100+AGP 7000

Teaching Experience:-

P.G. Classes (in years) - 10 years
U.G. Classes (in years) - 13 years

Fields of specialization under the Subject / Discipline:-

a) Digital Signal & Image Processing
b) Computer Networks
c) Computer Communication
d) Big Data Security
e) Cloud Computing

Scientific and Professional Memberships

- Member, Institute of Electrical and Electronic Engineering (IEEE).
- Life Member, Computer Society of India (CSI).

Orientation Course/Refresher Course/Winter School/Summer School attended:-

Name of the Course / Summer School	Organized by	Duration		Sponsoring Agency
		From	To	
UGC Academic Staff College, Himachal Pradesh University, Summer Hill, Shimla – 171 005	Shimla Himachal Pradesh	25.08.2014	20.09.2014	Manonmaniam Sundaranar University, Tirunelveli

Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes (not less than one week duration) participated:-

S. No.	Programme	Duration		Organized by
		From	To	
1	Master in Software Engineering,May 2012 in Apollo Computer Education Ltd.,	December 2011	May 2012	Apollo Computer Education Ltd., Tirunelveli.
2	Master in System Engineering & Networking, Dec -2012 in Apollo Computer Education Ltd.,	August 2012	December 2012	Apollo Computer Education Ltd., Tirunelveli

Research Papers Published in Journals:-

S. No	Title, Vol., Page No. & Year	Journal	ISSN/ ISBN No	Whether peer reviewed, Impact Factor, if any	No.of co-authors	Whether you are the First/Principal/ Correspondence author/ Supervisor / Mentor
1	Abnormality Segmentation and Classification of Brain MR Images using Combined Edge, Texture Region Features and Radial basics Function & 6(21): 4040-4045, 2013	Research Journal of Applied Sciences, Engineering and Technology (Scopus Indexed Journal)	ISSN: 2040-7459; e-ISSN: 2040-7467	Yes Impact factor = 0.28	01	First Author
2	Kernel Analysis Mercer's Theorem on Matrix Model Ependymomas Tumour in MR Brain Image & Vol.9,N.6.June 2014	International Review on Computers and software(Scopus Indexed Journal)	ISSN:1828-6003	Yes Impact factor 0.486	02	Second Author
3	An Automatic Brain Tumor Detection and Segmentation Scheme for Clinical Brain Images &IJETCAS 14-313; March –May 2014	International Journal of Emerging Technologies in Computational and Applied Sciences	ISSN (Print):2279-0047, ISSN (Online) :2279-0055	Yes Impact factor=1.237	03	First Author
4	Integrating Spatial Fuzzy Clustering With Level Set Methods For Liver Segmentation From Computed Tomography Scans & Vol.1, No.1, August 2014	Computer Applications: An International Journal (CAIJ)	ISSN 2393 - 8455		01	First Author
5	Neuro brain MRI anatomical labeling structures segmentation using adaptive interactive algorithm, April 2015	International Journal of Computer Application	2250 - 1797	2.52	01	First Author
6	An Integerated method of MRI Brain Image Segmentation using Bios field Correction based Modified FCM algorithm, April 2015	International Journal of Emerging Trends in Engineering and Development	2249 - 6149	2.87	01	First Author
7	Automatic Morphology – based MRI Brain Segmentation Edge Detection With Neural-Network Optimization, April 2015	International Journal of Applied Engineering Research (Scopus Indexed Journal)	0973 - 4562	0.13	01	First Author
8	Automated Detection of Gray Matter in MRI Brain Tumor Segmentation and Deep Brain Structures Based Segmentation Methodology, April 2015	Middle East Journal of Scientific Research (ISI Thomson Reuters Indexing)	1990 - 9233	0.29	01	First Author

9	An Efficient Lung Image Tuberculosis Chest Radiographs segmentation and classification using graphcut AAM and Support Vector Machine, June-July 2015.	International Journal of Emerging Trends in Engineering and Development	2249 - 6149	2.87	01	First Author
10	Automatic Brain Tumour MR Image Segmentation performance analysis using threshold and genetic algorithm, June-July 2015.	International Journal of Emerging Trends in Engineering and Development	2249 - 6149	2.87	01	First Author
11	"An Enhanced Brain Tumour MRI Segmentation and Classification using Morphological and Support Vector Machine" Edition: (Issue 7, Volume 2) March-April 2017.	International Journal of Computer Application (IJCA)	2250-1797	3.12	01	First Author
12	"An Automatic Brain Tumour MR Image Segmentation And Classification based on LIPC and ANFIS " Edition: (Issue 7, Volume 2) March-April 2017.	International Journal of Computer Application (IJCA)	2250-1797	3.12	01	First Author
13.	"An Efficient Automatic Brain Tumour MR Image Segmentation and Classification using GLCM based adaptive Neuro-Fuzzy Inference System" Edition: (Issue 6, Volume 2) March-April 2016.	International Journal of Emerging Trends in Engineering and Development	2250-1797	3.12	01	First Author
14	"Brain tumour heterogeneous MR Image Detection and segmentation based on Gabor filter and LIPC" Edition: (Issue 7, Volume 2) March-April 2017	International Journal of Computer Application (IJCA)	2250-1797	3.12	01	First Author
15	"Novel Detection of Selective Forwarding Attacks Using CRS-A",Volume 3,Issue 5, May 2017.	International journal of Advanced Research in Management, Architecture,Technology and Engineering (IJARMATE)	ISSN (Print): 2454-9762. ISSN (Online) :2454-9762	1.12	02	First Author
16	"A Patch Based Approach For the Segmentation of Pathologies:Application to Glioma Labelling, Volume 4,Issue 2, April 2017.	Elysium Journal of Engineering Research & Management	P-ISSN:2347-4408. E-ISSN: 2347-4734	1.23	02	First Author
17	"Brain Tumour Classification Using Machine Learning Algorithms",Volume 4,Issue 2,	Elysium Journal of Engineering Research &	P-ISSN:2347-4408.	1.23	02	First Author

	April 2017.	Management	E-ISSN: 2347-4734			
18	Automatic MRI Gray Matter Brain Tumor Detection of Segmentation and Deep Brain Structures Based Segmentation Methodology, Volume 1,Issue 2, December 2017.	International Journal of Medical Histology and Embryology	P-ISSN:2552-4607. E-ISSN: 2474-4346	1.36	02	First Author
19	A Review on IDEA,AES and Blowfish for Image Encryption and Decryption,Volume-4,Issue-2,March-April 2018	International Journal of Advance Research, Ideas and innovations in Technology	ISSN:2454-132X	4.295	03	Second Author
20	A Study of Encryption Algorithms (DES,3DES and AES)for Information Security,Volume-5,Issue-4,April 2018	International Research Journal of Engineering and Technology(IRJET)	P-ISSN:2395-0072. E-ISSN: 2395-0056	6.171	03	Second Author
21	Predicting Housing Prices using Machine Learning Techniques	South Asian Journal of Research in Engineering Science and Technology Available online on: http://sajrest.com/volume-4-issue-4-april-2019/	Issue 4, Vol.4 (April-2019) ISSN: 2455-9261	3.52	03	First Author
22	Mobile Price Prediction using Machine Learning	South Asian Journal of Research in Engineering Science and Technology Available online on: http://sajrest.com/volume-4-issue-4-april-2019/	Issue 4, Vol.4 (April-2019) ISSN: 2455-9261	3.52	03	First Author

S. No.	Title with Page Nos. and Year	Details of conference publication	ISSN/ ISBN No	No. of co-authors	Whether you are the First/ Principal/ Correspondence author/ Supervisor / Mentor

| 23 | Prediction of Survivors in Titanic Dataset: A Comparative Study using Machine Learning Algorithms | South Asian Journal of Research in Engineering Science and Technology Available online on: http://sajrest.com/volume-4-issue-4-april-2019/ | Issue 4, Vol.4 (April-2019) ISSN: 2455-9261 | 3.52 | 03 | First Author |
| 24 | Advance Data Security Cloud Computing by AES and DES Hybrid Algorithm | South Asian Journal of Research in Engineering Science and Technology Available online on: http://sajrest.com/volume-4-issue-4-april-2019/ | Issue 4, Vol.4 (April-2019) ISSN: 2455-9261 | 3.52 | 03 | First Author |

Full Papers in Conference Proceedings:-

S. No.	Title with Page Nos. and Year	Details of conference publication	ISSN/ ISBN No	No. of co-authors	Whether you are the First/ Principal/ Correspondence author/ Supervisor / Mentor
1	Marking the Eye Boundary Region For Future Feature Analysis pp. 1115-1118,28 – 29 December 2010	2010 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) in Tamilnadu College of Engineering,Coimbatore,Tamilnadu,India	ISBN: 978-1-4244-5967-4/10/$26.00 ©2010 IEEE	01	First Author
2	Histogram Approach Based Face Identification pp.985-989 28 – 29 December 2010	2010 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) in Tamilnadu College of Engineering,Coimbatore,Tamilnadu,India	ISBN:978-1-4244-5967-4/10/$26.00 ©2010 IEEE	01	First Author
3	Effective Dislodging of the Brain Tumor Image in three dimensional MR Images pp.1215 – 1223	2011 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) during 15 – 18 December 2011 in Cape Institute of Technology,Kanyakumari,Tamilnadu,India	ISBN: 978-1-61284-766-5/11/$26.0© 2011, IEEE	01	First Author
4	White Matter Neoplasm of FLAIR MRI Confront in Vigorous Dissection pp. 855-864	2011 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) during 15 – 18 December 2011 in Cape Institute of Technology,Kanyakumari,Tamilnadu,India	ISBN: 978-1-61284-766-5/11/$26.0© 2011, IEEE	01	First Author

5	Face Recognition system using iterated contextual Dissimilarity search strategy pp.2	2nd "International Conference On Intelligent Information Systems and Management" held during 14-16, July2011 in RVS College of Engineering and Technology, Coimbatore, Tamilnadu, India.	ISBN:978-1-4507-8483-2©2011 Published by Coimbatore Institute of Information Technology	01	First Author
6	Automatic Morphology based MRI Brain Segmentation using Neural Network Optimization pp.768 – 773 during 20th –22nd december 2013	"International Conference On future computing", ICFC-2013 on 20th-22nd December 2013 organized by Department of master of computer Applications, RV college of Engineering,Bangalore-59.		01	First Author
7	A Novelty Approach on Matrix Model for Magnetic Resonance Image Segmentation for Assorted Datasets pp.206 – 211, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author
8	Assimilated Strong Fuzzy C-means in Medical Data Scrutiny for MR Images pp. 212 – 220, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author
9	Cellular Based Seeded Tumor Segmentation Method on Contrast Enhanced T1 Weighted MR Images pp. 221 – 225, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author
10	Effective Dislodging of the Brain Tumor Image in three dimensional MR Images pp. 226 – 235, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author
11	Permutation Analysis of Functional Magnetic Resonance Medical Image Classification pp. 236 – 242, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author
12	Systematized Brain Structure Dissection in Atlas Registration pp. 243 – 252, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author

13	White Matter Neoplasm of FLAIR MRI Confront in Vigorous Dissection pp. 253 – 263, 2014	Internatinal Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 at The Indian Engineering College Vadakkaankulam conducted by Deparment of CSE & IT		02	First Author
14	A Novel Tumor Segmentation Technique on Contrast Improved T1 Weighted Magnetic Resonance Images pp. 23, 2014	National Conference on Advances in Computing Technologies conducted by PG Department of CSE, Hindusthan Institute of Technology, Coimbatore On 11th & 12th March 2014		01	First Author
15	A Novel Automatic Kidney Parenchyma Volumetry on preceding form Level Set Segmentation technique pp. 24, 2014	National Conference on Advances in Computing Technologies conducted by PG Department of CSE, Hindusthan Institute of Technology, Coimbatore On 11th & 12th March 2014		01	First Author

Papers presented in Conferences, Seminars, Workshops, Symposia:

S. No.	Title of the Paper presented	Title of Conference / Seminar & Date	Organized by	Whether International / National / State /Regional/College or University level
1	Marking the Eye Boundary Region For Future Feature Analysis	2010 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) During December 28-29, 2010	Tamilnadu College of Engineering, Coimbatore, India	International
2	Histogram Approach Based Face Identification	2010 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) During December 28-29, 2010	Tamilnadu College of Engineering, Coimbatore, India	International
3	Effective Dislodging of the Brain Tumor Image in three dimensional MR Images	2011 IEEE International Conference on Computational Intelligence and Computing Research, during December 15-18 2011	Cape Institute of Technology, Levengipuram, Kanyakumari – 627 114	International
4	White Matter Neoplasm of FLAIR MRI Confront in Vigorous Dissection	2011 IEEE International Conference on Computational Intelligence and Computing Research, during	Cape Institute of Technology, Levengipuram, Kanyakumari – 627 114	International

		December 15-18 2011		
5	Face Recognition system using iterated contextual Dissimilarity search strategy	2nd "International Conference On Intelligent Information Systems and Management" held during 14-16, July2011	RVS College of Engineering and Technology, Coimbatore, Tamilnadu, India	International
6	Automatic Morphology based MRI Brain Segmentation using Neural Network Optimization	"International Conference On future computing", ICFC-2013 on 20th-22nd December 2013 organized by Department of master of computer Applications, RV college of Engineering,Bangalore-59.	RV college of Engineering,Bangalore-59.	International
7	Effective Dislodging of the Brain Tumor Image in three dimensional MR Images pp. 226 – 235, 2014	International Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014 conducted by Department of CSE & IT	The Indian Engineering College Vadakkaankulam conducted by Department of CSE & IT	International
8	Systematized Brain Structure Dissection in Atlas Registration pp. 243 – 252, 2014	International Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014	The Indian Engineering College Vadakkaankulam conducted by Department of CSE & IT	International
9	White Matter Neoplasm of FLAIR MRI Confront in Vigorous Dissection pp. 253 – 263, 2014	International Conference on Innovative Trends in Computing & Technology on March 7th & 8th, 2014	The Indian Engineering College Vadakkaankulam conducted by Department of CSE & IT	International
10	A Novel Tumor Segmentation Technique on Contrast Improved T1 Weighted Magnetic Resonance Images pp. 23, 2014	National Conference on Advances in Computing Technologies On 11th & 12th March 2014	conducted by PG Department of CSE, Hindusthan Institute of Technology, Coimbatore	National
11	A Novel Automatic Kidney Parenchyma Volumetry on preceding form Level Set Segmentation technique pp. 24, 2014	National Conference on Advances in Computing Technologies On 11th & 12th March 2014	conducted by PG Department of CSE, Hindusthan Institute of Technology, Coimbatore	National
12	Participated and Presented: A titled "Novelty Approach on Matrix Model for MR	6th & 7th March 2015 International Conference on Information,	Organized by Department of CSE,ECE,IT & MCA, Kalaignar Karunanidhi	International

	Segmentation for Assorted Datasets".	Computation and Communications (ICIC[2-]2015)	Institute of Technology, Coimbatore	
13	Participated and Presented: A titled "Quantitative analysis of Multi images based on Gaussian Distribution for intensity in homogeneity"	6th & 7th March 2015 International Conference on Information, Computation and Communication, (ICIC[2-]2015)	Organized by Department of CSE,ECE,IT & MCA, Kalaignar Karunanidhi Institute of Technology, Coimbatore	International
14	Participated and Presented: A titled "Separating Cortex from MRI Brain using Region and Legion Algorithm".	6th & 7th March 2015 International Conference on Information, Computation and Communications, (ICIC[2-]2015)	Organized by Department of CSE,ECE,IT & MCA, Kalaignar Karunanidhi Institute of Technology, Coimbatore	International
15	Participated and Presented: A titled "An Efficient Semi-Automated Method for Prostate Cancer Localization".	6th & 7th March 2015 International Conference on Information, Computation and Communications, (ICIC[2-]2015)	Organized by Department of CSE,ECE,IT & MCA, Kalaignar Karunanidhi Institute of Technology, Coimbatore	International
16	Participated One day workshop on "Network Simulator 2",held at Einstein College of Engineering ,Department of Computer Science and Engineering,Tirunel veli on 3rd October 2010.	"Network Simulator 2" on 3rd October 2010	Einstein College of Engineering,Departme nt of Computer Science and Engineering,Tirunelve li	National
17	Participated One Week Workshop on "European Union Funding Opportunities and Training on Research Project Writing", held at Manonmaniam Sundaranar University, Tirunelveli on November 22 to 27, 2010, Organized by the Centre for Study of Social Exclusion and Inclusive Policy under India-EU	"European Union Funding Opportunities and Training on Research Project Writing" on November 22 to 27, 2010	Manonmaniam Sundaranar University, Tirunelveli Organized by the Centre for Study of Social Exclusion and Inclusive Policy under India-EU Study Centre Program.	National

	Study Centre Program.			
18	Participated One day Workshop on "Challenges in Mobile Computing" on 31st March, 2012 organized by Department of Computer Science and Engineering, Einstein College of Engineering, Tirunelveli.	"Challenges in Mobile Computing" on 31st March, 2012	Organized by Department of Computer Science and Engineering, Einstein College of Engineering, Tirunelveli.	National
19	Participated in the Faculty Development Series III : UGC Plan Project : Recent Development organized by Curriculum Development Cell, Manonmaniam Sundaranar University, Tirunelveli, held on 09th April 2014.	Faculty Development Series III : UGC Plan Project : Recent Development, held on 09th April 2014.	Organized by Curriculum Development Cell, Manonmaniam Sundaranar University, Tirunelveli.	National
20	Participated two days Workshop on "Research perspectives in Biomedical Signal and Image Processing", Organized by Department of Electronics and Communication Engineering, Regional Centre, Anna University: Tirunelveli Region, Tirunelveli held on 6th & 7th March 2014.	"Research perspectives in Biomedical Signal and Image Processing", held on 6th & 7th March 2014.	Organized by Department of Electronics and Communication Engineering, Regional Centre, Anna University: Tirunelveli Region, Tirunelveli.	National
21	Participated One day International Workshop on "Improving Skills on publishing in Reviewed and	"Improving Skills on publishing in Reviewed and Indexed Journals (IWISPRIJ)", on 28th March 2014.	Organized by University Library, Manonmaniam Sundaranar University, Tirunelveli, Tamil nadu, India	International

	Indexed Journals (IWISPRIJ)", Organized by University Library, Manonmaniam Sundaranar University, Tirunelveli, Tamil nadu, India on 28th March 2014.			
22	Participated Two days National Seminar held on 30th & 31st July 2014 entitled "Role of ICT in Improving the quality of Institution" Organized by Department of Education, Directorate of Distance & Continuing Education, Manonmaniam Sundaranar University, Tirunelveli, Tamil nadu, India	"Role of ICT in Improving the quality of Institution", on 30th & 31st July 2014.	Organized by Department of Education, Directorate of Distance & Continuing Education, Manonmaniam Sundaranar University, Tirunelveli, Tamil nadu, India	National
23	Participated in the "Faculty Development Series" organized by Curriculum Development Cell and Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli, held on 26th September 2014.	"Faculty Development Series" held on 26th September 2014.	Organized by Curriculum Development Cell and Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli	National
24	Participated Two Days Seminar on Cloud Computing and Soft Skills Development	9th & 10th February 2015 in CITE, MSU.	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli in association with ICT Academy of	National

			Tamilnadu,India.(Organizing committee Member)	
25	Participated Two Days Seminar on "Advanced Image Processing Techniques"	30th & 31st March 2015	Organized by the Deparmtent of Computer Science & Engineering.	National
26	Participated Two Days National Conference on "Dalit Education : Challenges and Emerging Issues in India	28th & 29th April 2015	Conducted by Department of Education.	National
27	Participated One Day Seminar on "Reaching the Unreached: Higher Education in India Today"	25th August 2015	Organized by the Curriculum Development Cell Manonmaniam Sundaranar University,Tirunelveli, Tamilnadu, India.	National
28	Participated & Organizing Member of One Day Seminar on "Bio-Medical Engineering Trends"	27th August 2015	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India.	National
29	Participated & Organizing Member of One Day Seminar on "Big Data Analytics"	22nd January 2016	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
30	Participated One Day Workshop on "Art of writing Bibliography based on Mendeley Reference Manager"	30th March 2016	Organized by University Library, Manonmaniam Sundaranar University, Tirunelveli, Tamil nadu, India	National
31	Participated & Organizing Member of UGC XII Plan Seminar on "Skill Developments using Modern Programming Techniques"	17th Oct 2016	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National

32	Participated & Organizing Member of UGC XII Plan Three Days Workshop on "Android Mobile Applications Development"	19th -21st Oct 2016	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
33	Participated and Presented: A titled "Detection of Brain Tumour Stages Using Various Images Processing Techniques".	3th & 4th March 2017 ICMR Sponsored IEEE International Conference on Science,Technology, Engineering and management(ICSTEM '17)	Organized by Department of CSE,ECE,IT & MCA, Kalaignar Karunanidhi Institute of Technology, Coimbatore	International
34	Participated and Presented: A titled "A Hierarchy Method for Brain Tumour Segmentation Using Convolutional Neural Network on MR Images ".	3th & 4th March 2017 ICMR Sponsored IEEE International Conference on Science,Technology, Engineering and management(ICSTEM '17)	Organized by Department of CSE,ECE,IT & MCA, Kalaignar Karunanidhi Institute of Technology, Coimbatore	International
35	Participated & Organizing Member of One Day Technical Symposium SOFTCRAFT-17.	13th March 2017	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
36	Participated in Training Programme on "Effective Utilization of E-Resourses"	10th August 2017, "In House Training on E- Resourses"	Organized by University Library, Manonmaniam Sundaranar University, Tirunelveli, Tamil nadu, India	National
37	Participated & Organizing Member of Two Days Workshop on "Tools and Techniques for Data Analytics "	28th & 29th August 2017	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National

38.	Participated & Organizing Member of One Day Technical Symposium SOFTCRAFT-18	6th March 2018	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
39	Participated & Organizing Member of Two Days Workshop on "Cyber Space and its Career Path "	12th & 13th October 2018	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
40	Participated in One Day Workshop on "MOOCs through SWAYAM "	9th November 2018	Organized by Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
41	Participated One Day Seminar on "Quality Research and Publications"	7th December 2018	Organized by Centre for Research, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
42	Participated & Organizing Member of Two Days Workshop on "Hadoop Fundamentals for Data Analytics "	09th & 10th January 2019	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
43	Participated & Organizing Committee Member of Two Days Workshop on "17th Regional Workshop on science Writing/Journalism"	12th & 13th February 2019	Organized by M.T.S Academy of Mylai Thiruvalluvar Tamizh Sangam, Nehru Yuva Kendra, Ministry of Youth Affairs and Sports, Government of India,Tamilnadu State Council for Science and Technology and Manonmaniam Sundaranar	National

			University, Tirunelveli, Tamilnadu, India	
44	Participated & Organizing Member, Event Organizer for the Exibition of One Day Technical Symposium SOFTCRAFT-19	26th February 2019	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
45	Partic ipated and Prese nted: A titled "Predi cting Housi ng Prices using Machi ne Learni ng Techn iques".	29th & 30th March 2019 International Conference on Research and Development in Engineering,Technol ogy, Management, Science and its Application-2019	Organized by Department of CSE, E.G.S.Pillay Engineering College, Nagapattinam,Tamilna du,India	International
46	Participated and Presented: A titled "Mobile Price Prediction using Machine Learning".	29th & 30th March 2019 International Conference on Research and Development in Engineering,Technol ogy, Management, Science and its Application-2019	Organized by Department of CSE, E.G.S.Pillay Engineering College, Nagapattinam,Tamilna du,India	International
47	Participated and Presented: A titled "Prediction of Survivors in Titanic Dataset: A Comparative	29th & 30th March 2019 International Conference on Research and Development in Engineering,Technol ogy, Management,	Organized by Department of CSE, E.G.S.Pillay Engineering College, Nagapattinam,Tamilna du,India	International

	Study using Machine Learning Algorithms".	Science and its Application-2019		
48	Participated and Presented: A titled "Advance Data Security Cloud Computing by AES and DES Hybrid Algorithm".	29th & 30th March 2019 International Conference on Research and Development in Engineering,Technology, Management, Science and its Application-2019	Organized by Department of CSE, E.G.S.Pillay Engineering College, Nagapattinam,Tamilnadu,India	International
49	Participated & Organizing Member of Two Days Workshop on "Hive for Data Analytics"	30th & 31St August 2019	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
50	**Program Coordinator** of One Day Seminar on "Technical Aspects on Cloud Computing"	7th September 2019	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National
51	Participated & Organizing Member of One Day Seminar on "Foundation Skills for Prospective IT Technocrats"	13th September 2019	Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India	National

Research Guidance:

Research Programme	Number Enrolled	Thesis Submitted	Degrees awarded
2009-2010	**-**	**-**	**-**
2010-2011			
M.Phil., (IT)	--	--	--
M.Tech. (CIT / ICT)	20	20	20
Ph.D., or equivalent	--	--	--
2011-2012			
M.Phil., (IT)	4	4	4
M.Tech. (CIT / ICT)	16	16	16
Ph.D., or equivalent	--	--	--
2012-2013			
M.Phil., (IT)	6	6	6
M.Tech. (CIT / ICT)	9	9	9
Ph.D., or equivalent	--	--	--
2013-2014			
M.Phil., (IT)	4	4	4
M.Tech. (CIT / ICT)	28	28	28
Ph.D., or equivalent	--	--	--
2014-2015			
M.Phil., (IT)	3	3	3
M.Tech. (CIT / ICT)	07	07	07
Ph.D., or equivalent	--	--	--
2015-2016			
M.Phil., (IT)	1	1	1
M.Tech. (CIT / ICT)	2	2	2
Ph.D., or equivalent	-	-	-
2016-2017			
M.Phil., (IT)	2	2	2
M.Tech. (CIT / ICT)	2	2	2
Ph.D., or equivalent	-	-	-
2017-2018			
M.Sc (IT)	4	4	4
M.Tech. (CIT / ICT)	1	1	1
Ph.D., or equivalent	-	-	-
2018-2019			
M.Sc (IT)	4	4	4
M.Tech. (CIT / ICT)			
Ph.D., or equivalent	-	-	-
		Total	113

AWARDS, HONOURS:-

- Honours received for serving as Resource Person for the training programme on Computer Fundamentals and Office Automation to the Judicial Officers of Tirunelveli, Thoothukudi and Kanyakumari Districts conducted by the Centre for Information Technology and Engineering and Department of Computer Science and Engineering of Manonmaniam Sundaranar University from 28.06.2006 to 03.07.2006.

- Nominated as Deputy Co-ordinator for the scheme C-"Coaching for NET/SET"for SC/ST/OBC/Minorities students under UGC General Development Assistance to Merged Scheme with effect from 01.04.2011 conducted by Equal Opportunity Cell in M.S.University
  Upto April 2015.

- Incharge–Conducting Remedial Coaching classes for Centre for Information Technology and Engineering, Conducted by Equal Opportunity Cell in M.S.University From 01.04.2011 to Till Date.

- Served as a Resourse Person for UGC-NET/SET Coaching schemes for SC/ST/OBC/Minorities at Equal opportunity cell, Manonmaniam Sundaranar University from February 2011 to December 2013 Conducted by Equal Opportunity Cell in M.S.University.

- Appointed as Member in Adhoc Board of Studies for Community Colleges & ELP Centres-Diploma Courses duration of 2016-2017 & 2017-2018, Manonmaniam Sundaranar University

- Appointed as Member of an Inspection Commision to visit on 21.03.2018 Sri Saratha College for Women, Saratha Nagar, Ariyakulam, for verifying the infrastructure facilities, qualifications of the staff etc, for granting Permanent/temporary affiliation to the existing courses and the following new course for the academic year 2017-2018

- Appointed as Member of an Inspection Commision to visit on 27.03.2017 Pop's College, Swayerpuram, for verifying the infrastructure facilities, qualifications of the staff etc, for granting Permanent/temporary affiliation to the existing courses and the following new course for the academic year 2017-2018

- Appointed as Member of an Inspection Commision to visit on 04.04.2018 Infant Jesus College of Arts & Science for Women,Mulagumoodu,Kanyakumari District for verifying the infrastructure facilities, qualifications of the staff etc, for granting Permanent/temporary affiliation to the existing courses and the following new course for the academic year 2018-2019

- Appointed as Member of an Inspection Commision to visit on 24.01.2019 Government Arts & Science College,Nagercoil , Kanyakumari District for verifying the infrastructure facilities, qualifications of the staff etc, for granting Permanent/temporary affiliation to the existing courses and the following new course for the academic year 2019-2020

- Appointed as a Departmental (CITE) **Liaison** officer to the Internal Quality Assurance Cell ,Manonmaniam Sundaranar University from 22.4.2019

PERSONAL DETAILS:-

Name	:	Dr.B.Balakumar B.Tech.,M.Tech.,Ph.D
Age & D.O.B	:	39 Years, 05.05.1979.
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Religion	:	Hindu
Language Known	:	English, Tamil (To speak, read and write). Telugu, Hindi (To speak)
Technical Qualification	:	Typewriting, International Certification: CCNA (CISCO Certified Network Associate), H/W & N/W

DECLARATION

I hereby declare that the above particulars are true to the best of my knowledge and belief.

Place : Tirunelveli.

Date :   (Dr.B.Balakumar)