



BMS COLLEGE OF ENGINEERING, BENGALURU-19
 Autonomous Institute, Affiliated to VTU
FACULTY PROFILE



01	Name of the Faculty		Dr. Kayarvizhy N						
02	Date of Birth		DD	MM	YYYY	03	Sex	Male	Female
			30	10	1979				Female
04	Designation		Associate Professor						
05	Department		Computer Science and Engineering						
06	Date of Joining		9-2-17						
07	Contact Details		Office		Mobile		Email-id		
					9900502934		kayarvizhyn.cse@bmsce.ac.in		
08	Educational Qualifications								
	a) At the time of joining BMSCE								
Sl. No.	Degree	Subjects/Specialization	Class/Grade obtained		Year of Passing		University		
1	B.Tech	CSE	First		2001		Pondicherry University		
2	M.Tech	CSE	8.25 CGPA		2004		Pondicherry University		
3	Ph.D	CSE			2014		Anna University		
	b) Additional Qualifications acquired during service in BMSCE								
1									
09	Positions held after joining BMSCE (Academic / Administrative / Others)								
Sl. No.	Name of the Position	No. of Years	From		To		Institution / University		
1									
10	Subjects handled								
	Data Structures, Advanced Data Structures, Internet of Things, Embedded Systems, Machine Learning, Analysis of algorithm, Operating Systems, Data Communication, Computer Networks, Unix, Software Testing, Object technology								
11	Number of candidates Awarded M.Sc., (By Research) & Ph.D. Degrees under your Guidance								

Sl. No.	Name of the Candidate	Title of the Thesis	Degree Awarded	Date of Award	University	
1						
12	Number of Candidates Presently Working for M.Sc., (By Research) & Ph.D. Degree under your Guidance					
Sl. No.	Name of the Candidate	Degree for which Registered	Title of the Thesis	Commencement Year	Probable Date of Submission	
1	Mr. Selva Kumar	Ph.D	Information Propagation	2013	2018	
2	Ms. Nandita	Ph.D	Progressive Analytics	2015	2020	
3.	Ms. Srividhya	Ph.D	Internet of Things	2015	2020	
4.	Ms. Soumya	Ph.D	Information Retrieval	2017	2021	
13	Research Publications					
a) National Journals						
Sl. No.	Title of the Paper	Name of the Journal	Volume No.	Issue No.	Page Nos.	Year
1	Automated Employee Performance Appraisal System	Journal of Emerging Technologies and Innovative Research	3	4	160-164	2016
b) International Journals						
Sl. No.	Title of the Paper	Name of the Journal	Volume No.	Issue No.	Page Nos.	Year
1	Evaluation of suitability of Object Oriented Metrics for C++, Java and C#	CiiT - International Journal of Software Engineering and Technology	1	4	151-155	2009
2	High Precision Cohesion Metric	WSEAS – Transactions on Information Science and Applications	10	3	79-89	2013
3	Analyzing and Identifying potential areas of improvement in Object Oriented Metrics	International Review on Computers and Software	8	9	2213-2220	2013

4	Improving Fault Prediction using ANN-PSO in Object Oriented Systems	Journal of Computer Application	73	3	18-25	2013
5	Hypotheses verification for High Precision Cohesion Metric	International Journal of Computer Sciences and Engineering	2	4	238-243	2014
6	ANN Models Optimized using Swarm Intelligence Algorithms	WSEAS – Transactions on Computers	13	45	501-519	2014
7	Review of Object Oriented Metric Tools	International Journal of Computer Applications	135	2	8-13	2016
8	Enhancing the Fault Prediction of CK Metrics using High Precision Cohesion Metric'	InderScience – International Journal of Computer Applications in Technology	54	4	290-296	2016
14	Books Published					
Sl. No.	Title of the Chapter/Book		Name of the Publisher		Year of Publication	
1						
15	Details of Research Activities [Funds received for Research projects]					
a) Funded Research Projects completed						
Sl. No.	Title of the Research Project	Funding Agency	Amount	Duration	Year (From – To)	
1						
b) On-going Funded Research Projects						
Sl. No.	Title of the Research Project	Funding Agency	Amount	Duration	Commencement Year	
1						
16	Conference/Seminars/Workshops Attended					
a) National Conferences/Seminars/Workshops						
Sl. No.	Details of Conferences/Seminars/Workshops		Dates (From – To)		Sponsoring Agency	
1	Intellectual Property Rights, VTU, Bangalore		July 10-11 th 2015			

2	Machine intelligence and image processing, SJBIT, Bangalore	July 20-24 th 2015		
3	Self-Study Component, BMSCE	July 29 th 2015		
4	IoTNext Global Summit on Innovating Digital Economy with IoT Solutions & Services, IESA	9-10 th Dec 2015		
5	CXC Hands-on IoT Workshop on Intel Edison, IISC	17-18 th Dec 2015		
6	International Conference on Advanced Computing Techniques , AMCEC	May 2016		
b) International Conferences/Seminars/Workshops				
1				
Sl. No.	Details of Conferences/Seminars/Workshops	Dates (From – To)	Sponsoring Agency	
17	Conference/Seminars/Workshops Papers Presented			
a) National Conferences/Seminars/Workshops				
Sl. No.	Details of Conferences/Seminars/Workshops	Presented Papers (Title of the Paper Presented)	Dates (From – To)	Sponsoring Agency
1	International Conference on Advances in Computing and Communications	An Automated Tool for Computing Object Oriented Metrics using XML	July 22-24 th 2011	
2	International Conference on Advances in Communication, Network and Computing	Comparative Analysis of CK Metrics across Object Oriented Languages	March 2011	
3	International Conference on Innovative Research in Engineering and Technology	An Empirical Analysis of CK Metrics using Java Systems	August 12-14 th 2010	
4	International Conference on Electronic Computer Technology	Analysis of Quality of Object Oriented Systems using Object Oriented Metrics	April 2011	
5	International Conference on Computational Techniques and Artificial Intelligence'	Metrics to Capture the Improvement of Security Due to the Usage of Generics in Java	October 7-8 th 2011	
6	International Conference on Advances in Computer and Communication	Refactoring at Class Level using Cohesion concept	April 2014	

	Engineering			
7	International Conference on Recent Trends in Information Technology	Analysis of Information Propagation in Academic Social Networks	April 8-9th 2016	
b) International Conferences/Seminars/Workshops				
Sl. No.	Details of Conferences/Seminars/Workshops	Presented Papers (Title of the Paper Presented)	Dates (From – To)	Sponsoring Agency
1	International Conference on Advances in Computing and Communications	An Automated Tool for Computing Object Oriented Metrics using XML	July 22-24th 2011	
2	International Conference on Advances in Communication, Network and Computing	Comparative Analysis of CK Metrics across Object Oriented Languages	March 2011	
3	International Conference on Innovative Research in Engineering and Technology	An Empirical Analysis of CK Metrics using Java Systems	August 12-14th 2010	
4	International Conference on Electronic Computer Technology	Analysis of Quality of Object Oriented Systems using Object Oriented Metrics	April 2011	
5	International Conference on Computational Techniques and Artificial Intelligence'	Metrics to Capture the Improvement of Security Due to the Usage of Generics in Java	October 7-8th 2011	
6	International Conference on Advances in Computer and Communication Engineering	Refactoring at Class Level using Cohesion concept	April 2014	
7	International Conference on Recent Trends in Information Technology	Analysis of Information Propagation in Academic Social Networks	April 8-9th 2016	
8	Computer Science On-line Conference	SADI: Stochastic Approach to Compute Degree of Importance in Web-Based Information	April 26-29, 2016	

		Propagation'		
18	Conference/Seminars/Workshops Organized			
a) National Conferences/Seminars/Workshops				
Sl. No.	Details of Conferences/Seminars/Workshops	No of Participants	Dates (From – To)	Sponsoring Agency
1	Arduino	20	March 9-11 th 2015	BMSCE
2	PG workshop on Advanced Computing and Applications	20	12-13 th June 2015	BMSCE
3	Arduino	25	16-17 th Sep	BMSCE
4	Internet of Things and Application	30	July 18-22 nd 2016	TEQIP
b) International Conferences/Seminars/Workshops				
Sl. No.	Details of Conferences/Seminars/Workshops	No of Participants	Dates (From – To)	Sponsoring Agency
19	Refresher Courses/Orientation Programs/Training Programs Attended			
Sl. No.	Details of Refresher Courses/Orientation Programs/Training Programs	Attended as Resource Person/Participant	Duration (From – To)	Sponsoring Agency
1	Introduction to Design of Algorithms, IIT Kharagpur	Participant	25-27 th May, 2015	
2	7th IEEE International Advance Computing Conference (IACC-2017), BMSCE, Bangalore	Session Chair	12-13 th June 2015	
3	TCS, Bangalore	Participant	10 th Feb 2017	
20	Refresher Courses/Orientation Programs/Training Programs Organized			
Sl. No.	Details of Refresher Courses/Orientation Programs/Training Programs	No of Participants	Duration (From – To)	Sponsoring Agency
1	Expert Lecture on Introduction to Internet of Things	50	3 rd June 2016	JDA
21	Assignments/Deputations to Outside Institutions/Universities			
Sl. No.	Nature of Assignment	Institution/University where Assignment taken	Duration (From – To)	Sponsoring Agency

22	Honors/Awards/Distinction Received				
Sl. No.	Details of Honors/Awards/Distinction Received	Conferring Agency		Date of Award	
23	Membership in Professional Bodies/University Bodies/Organizations				
Sl. No.	Type of Membership	Professional Bodies/Organizations/University Bodies/Others		Period of Membership	
1	LM	ISTE		Life Time	
24	Patents Registered				
Sl. No.	Name of the Invention	Date of Application	Application Number	Date of Patent Awarded	Patent Number

Date: 5-6-17

**Name & Signature of the Faculty
Kayarvizhy N**