

Bio-Data

1. **Name** : Dr. UMA B
 Designation and Department : **Professor, CS and Engg.**
 Date of Birth : **20-07- 1967**



2. Education Qualification including Diplomas and Highest Degree

Degree/ Diploma	Institution	University	Year
B.E. Computer Science and Engineering	Malnad College of Engineering, Hassan	University of Mysore	1989
M.Tech in Computer Science and Engineering	IIT, Delhi	IIT, Delhi	January, 2000
Ph.D. Computer Science	SJCE, Mysore	VTU, Belagavi	June, 2016

3. Teaching Experience

Position Held	Nature of Appointment (Permanent/ Temporary)	Duration {Level- UG & PG}		No. of Years	University/ Institution
		From	To		
Lecturer	<i>Permanent</i>	April 1993	April 2003	10	Malnad College of Engineering Hassan, Karnataka State (Presently affiliated to VTU, Belagavi)
Assistant Professor	<i>Permanent</i>	April 2003	April 2011	08	
Associate Professor	<i>Permanent</i>	April 2011	July 2017	06	
Professor	<i>Permanent</i>	July 2017	till date		

4. Details of Training /Faculty Improvement/Professional Training undergone

Nature of Program	Period		Institution	Title
	From	To		
Summit	9-7-2021	11-7-2021	IUCEE	IUCEE Annual Leadership Summit
1-week online FDP	3-11-2020	7-11-2020	MCE, Hassan	ATAL FDP-Blockchain
3-days Online FDP	6-10-2020	16-10-2020	Harappa Learning Pvt. Ltd.	Future-Proof Your Teaching Skills Learning Series

1-week Online FDP	7-9-2020	12-9-2020	Manipal Institute of Technology, Manipal	Design of Knowledge based Systems using Artificial Intelligence and Machine Learning models: In the context of Agricultural and Food products
FDP	17-2-2020	19-2-2020	KLE Tech University, Hubballi, India	Train the Trainer on Examination Reforms
Symposium	21-11-2019	23-11-2019	KLE Tech University, Hubballi, India	Problem Based Learning
Workshop	23-9-2019	23-9-2019	ICT Academy, Bangalore	ICT Academy Bridge 2019 - Augmenting Skills, Accelerating Growth
2-day FDP	24-5-2019	25-5-2019	VVCE, Mysuru	Curriculum Design for Industry Needs
1-day FDP	23-3-2019	23-3-2019	MCE Hassan	Training the Proctors for Effective counseling
Workshop	22/2/2019	22/2/2019	NITK Suratkal	Virtual lab
3-days Workshop	14/2/2019	16/2/2019	MCE Hassan	Product Prototyping in IoT & Machine Learning
1-day FDP	8/2/2019	8/2/2019	MCE Hassan	Writing Effective CO & Computing Attainment
1-day FDP	5/1/2019	5/1/2019	Malla Reddy Engineering, Hyderabad College	Grand Challenges Scholar Program
One week FDP	3-12-2018	7-12-2018	IIM Kozhikode	Multivariate Data Analysis
Workshop	26-9-2018	26-9-2018	ICT Academy	BRIDGE 2018- Fostering India for Industry 4.0
One week FDP	28th June, 2018	2nd July, 2018	MCE Hassan	Machine Learning
1-day FDP	23rd April 2018	23rd April 2018	MCE Hassan	Professional & Academic Quality in Engineering Courses
One week FDP	12th March, 2018	17th March, 2018	NIT, Warangal	Machine Learning
Two weeks FDP	19th June, 2017	30th June, 2017	NITTTR, Kolkata	Exposure on Scilab
1-day FDP	16th Feb, 2017	16th Feb, 2017	MCE Hassan	Virtual Based Laboratory

2-day FDP	2nd Dec 2016	2nd Dec 2016	MCE Hassan	Linear Algebra and its Applications
Five days FDP	16th Nov, 2015	21st Nov, 2015	MCE Hassan	Administrative Training Programme
Two days workshop	2nd Aug 2015	3rd Aug 2015	BMSCE, Bangalore	Outcomes - Based Education
1-day FDP	20th July, 2015	20th July, 2015	BMSCE, Bangalore	Integrating Projects and Design into Core Engineering Courses
Two weeks FDP	25th May 2015	6th June 2015	MCE Hassan	Formulation, Modeling & Practical Applications of Operations Research
Five days FDP	11th April 2015	15th April 2015	MCE Hassan	Effective teaching of a Technical Course
1-day FDP	30th Jan 2015	30th Jan 2015	MCE Hassan	Intellectual Property Rights: Significance for Academia in Business and Research
1-day FDP	28th May 2014	28th May 2014	MCE Hassan	SAR Preparation for e-NBA Process
1-day Conference	1st Mar 2014	1st Mar, 2014	Institution of Engineers Mysore	College to Corporate
1-day FDP	31st Aug 2013	31st Aug 2013	MCE Hassan	Patents and Innovations
One week FDP	2nd Aug 2013	7th Aug 2013	BMSCE, Bangalore	Latex and excel for Research-Hands on Sessions
Three days workshop	11th July 2013	13 July 2013	MCE Hassan	Deriving Program Educational Objectives/Program Outcomes/Course Outcomes/Assessments for NBA Self Assessment Report
Five days workshop	4th Mar 2013	08 March 2013	MCE Hassan	Yogasanna - Pranayama Camp
Three days training programme	27th Jan 2010	29th Jan 2010	Intel Center of Excellence Bangalore	Multi-core Programming
One day workshop	21st Mar 2009	21st Mar 2009	PESIT Bangalore	Multi-core Programming
Two days workshop	27 September 2008	28th Sep 2008	BVB Hubli	Network Simulator
Six days FDP	June 30 2008.	5th July 2008	IIT Kanpur	Program Optimization for Multi-core Architectures

Two days workshop	17 th May 2008	18 th May 2008	Ramakrishna Institute of Moral and Spiritual Education, Mysore	Role of Teacher in Character Building and Personality Development
Two days workshop	30 th Apr 2007	1 st May, 2007	MCE Hassan	Value Inculcation in Engineering Education
Short term course	7 th Aug 2006	11 th August 2006	SDMCET, Dharwar	Intermediate System Administration for Solaris 10 OS
One day workshop	22 nd Apr, 2006	22 nd April, 2006	MCE Hassan	Trend in Pattern Recognition
5-days Workshop	7 th Mar 2006	11 th March 2006	IISc, bangalore	A Training Program on Learning Management Systems
3-Days workshop	8 th Feb 2006	10 th Feb 2006	IISc, Bangalore	Industry Oriented Software Engineering & Technology Trends
One day workshop	29 th Oct 2005	29 th Oct 2005	NIE, Mysore	Recent Trends in Computer Networking
Two days workshop	3 rd Dec 2005	4 th Dec 2005	UBDTCE, Davanagere	Soft Computing and Its Applications
One day workshop	8 th Oct 2005	8 th Oct 2005	MCE Hassan	G.I.S. Applications
Five days workshop	27 th Aug 2005	31 st Aug 2005	MCE Hassan	FEEL Teacher
One day workshop	19 th May	19 th May	MCE Hassan	Network Simulator and Programming
ISTE short term course	21 st April 1997	3 rd May 1997	PESCE, Mandya	Computers in Bio-Medical Engineering
ISTE Winter School	17 th Feb 1997	14 th March 1997	PSG, Coimbatore	Relational Database Management Systems

5. Doctoral Research (Details of Your Doctoral Work)

Thesis Title : *Efficient Scheduling Techniques on Multi-core and Many-core Architecture*

6. Journal Publications Authored

1.	Uma Boregowda and Venugopal R. Chakravarthy, <i>A Novel Framework And Policies For On-Line Block Of Cores Allotment For Multiple DAGs On NoC</i> , International Journal on Computational Sciences & Applications (IJCSA) vol.3, no.6, December 2013. ISSN – 2200-0011
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2.	Uma Boregowda and Venugopal R. Chakravarthy, A New Level based Parallel Task Graph(PTG) Scheduling Method, ISTE-ACEEE International Journal in Computer Science(IJCS) , vol. 1, no. 1, March 2014 ISSN - 2348-6600
3.	Uma Boregowda and Venugopal R. Chakravarthy, <i>Multiple DAGs Applications Scheduling on a Cluster of Processors</i> , Journal of Computer Science & Information Technology, Pages 63-74, vol-2, 2014 ISSN - 2572-2921
4.	Uma Boregowda and Venugopal R. Chakravarthy, Sharing of Cluster Resources among Multiple Workflow Applications, International Journal of Computer Science and Information Technologies (IJCSIT), vol. 6, no. 4, August 2014 ISSN – 0975-9646
5.	Sunitha. P, Uma.B, A. Geetha Kiran, R.E.Margaret, A.M.Vinod, “Effective Teaching Through Programming Assignments”, Journal of Engineering Education Transformations, Volume, No, March 2015, ISSN 2349-2473, eISSN 2394-1707
6.	Uma Boergowda, Sunitha.P, A. Geetha Kiran , A Practical Approach to Make Computer Laboratory Courses more Effective and Interesting through Student Mentoring, Journal of Engineering Education Transformations , Volume 31 , No. 1, July 2017, ISSN 2349-2473, eISSN 2394-1707
7.	Uma Boregowda, Sunitha.P, A. Geetha Kiran , H S Chandrashekar, Tutoring Junior Undergraduate Students by Seniors in Engineering Courses, Journal of Engineering Education Transformations ,Volume 31 , No. 1, July 2017, ISSN 2349-2473, eISSN 2394-1707
8.	Uma Boregowda , Shruthi D.V. , Vinutha M.R. , Sudharshan G.K. , Chandrashekar H S, Tejonidhi MR, Alumni Mentoring Programme, Journal of Engineering Education Transformations,Volume 31, No. 3, January 2018, ISSN 2349-2473, eISSN 2394-1707
9.	Arun Nagaraja, B. Uma, Gunupudi Rajesh kumar. 2019. UTTAMA: An Intrusion Detection System Based on Feature Clustering and Feature Transformation. In Foundations of Science, Springer, ISS 1572-8471. DOI: https://doi.org/10.1007/s10699-019-09589-5 (Paper Published in Springer Series, Foundations of Science Journal, during March 2019, SCI Indexed, Scopus Indexed) [citation -7]
10.	H N, Shylaja and H N, Latha and H N, Poornima and Uma, B, Detection and Localization of Mask Occluded Faces by transfer learning using Faster RCNN (April 27, 2021). January 2021, SSRN Electronic Journal, DOI: 10.2139/ssrn.3835214

7. Details of Papers Presented in Seminars/Symposium/Conference

1.	Uma Boregowda and Venugopal R. Chakravarthy, <i>A Static method to Schedule both Computation and Communication of a Directed Acyclic Graph on Many-core with Improved Time Efficiency and Core Utilization</i> , International Conference on Advanced Computing, Networking and Security (ADCONS-2011), NITK, India, December 2011.
2.	Uma Boregowda and Venugopal R. Chakravarthy, <i>A Framework and Methods for Dynamic Scheduling of a Directed Acyclic Graph on Multi-core</i> , International Joint Colloquium on Emerging Technologies in Computer Electrical and Mechanical (CEM 2011), Shimogga, India, December 2011
3.	Uma Boregowda and Venugopal R. Chakravarthy, <i>A Novel Binary Search based Method to find Minimal Number of Cores Required to Obtain Minimal Makespan, Given Makespan and Given Utilization of Cores for a DAG Application</i> , 4th International Conference on Computer and Automation Engineering (ICCAE 2012), Mumbai, India, January 14–15, 2012
4.	Uma Boregowda and Venugopal R. Chakravarthy, <i>A Hybrid Task Scheduler for DAG Applications on a Cluster of Processors</i> , IEEE International Conference on Advances in Computing and Communications (ICACC-2014), Kochi, India, August 27-29, 2014
5.	Uma Boregowda and Venugopal R. Chakravarthy, <i>A Framework for Multiple Parallel Task Graphs (PTG) Scheduler</i> , 13 th IEEE International Conference on Information Technology (ICIT - 2014), Bhubaneswar, India, December 22-25, 2014
6.	A Geetha Kiran, Uma. B, Sunitha. P, “Enhancing Programming Skills: An Activity based Approach”, ICTIEE January 2016, COEP, Pune
7.	Krishnaswamy S, Mahendra G., Jayantha K.S., H.J. Amarendra, Uma Boregowda Make-in-MCE: A Differentiating Alumni Initiative in an Engineering College, 3rd ICTIEE January 2016, Pune
8.	Uma Boregowda, Sunita P, Online Courses as an Effective Self study Component, <i>Fourth International Conference on Transformations in Engineering Education, Vardhaman College of Engineering, Hyderabad, Jan 6-8 2017</i>
9.	Tejonidhi M. R., Uma.B, Swathi.H.Y., Margaret R.E., Vinod A. M , Exemplary Faculty Mentoring Programme, 5th ICTIEE, Jan. 2018, Bennett University, Greater Noida
10.	Margaret R.E. , Uma B , Tejonidhi 1 2 M. R., B.B.Neelakantappa, A Recipe for the

	use of ICT tools in an Educational Institute, 5th ICTIEE, Jan. 2018, Bennett University, Greater Noida
11.	Neelakantappa B.B, C.S.Suresh Babu, Uma Boregowda A.M.Vinod, Recent Trends and Challenges in Campus placements of Engineering Institutions, 5th ICTIEE, Jan. 2018, Bennett University, Greater Noida
12.	H.S. Chandrashekar, A Geetha Kiran, B.Uma , Sunita P, Introducing Programming using “Scratch” and “Greenfoot”, 5th ICTIEE, Jan. 2018, Bennett University, Greater Noida
13.	Hannabel Hyacinth Alva , Uma B. , Shruthi D.V. , Saroja C. , Enhancing Learning Outcomes in Software Engineering course through Problem Based Learning and Peer Assisted Learning, 5th ICTIEE, Jan. 2018, Bennett University, Greater Noida
14.	Arun Nagaraja, B. Uma., Intrusion detection using dimensionality reduced soft matrix. In Proceedings of the 5th International Conference on Engineering and MIS (ICEMIS '19). ACM, New York, NY, USA, Article 33, 7 pages. DOI: https://doi.org/10.1145/3330431.3330465
15.	Arun Nagaraja, B. Uma , A generalized research study on distance measures, learning algorithms and datasets. In Proceedings of the 5th International Conference on Engineering and MIS (ICEMIS '19). ACM, New York, NY, USA, Article 34, 7 pages. DOI: https://doi.org/10.1145/3330431.3330466

8. Certificate Courses completed

Name of the course	Resource Persons	Organizer	Date
Effective Engineering Teaching in Practice	4-weeks course	NPTEL	Jan-Feb, 2021
Accreditation and Outcome Based learning	8-weeks course	NPTEL	Aug-Oct, 2019
OBE	K L E Technological University Staff	IUCEE	August to December, 2016
Publishing and Reviewing Papers in Engineering Education.	Dr. Sohum Sohoni and Dr. Scotty Craig, Arizona State University, USA	IUCEE	August, 2016
Design Projects Course	Prof. William Oaks, Director, EPICS - Purdue University	IUCEE	January, 2016

9. Memberships in Academic Societies/Bodies

Name of Society	Affiliation	Position	Remarks
Computer Society of India	CSI, Mysore Chapter	Life Member	-
Indian Society for Technical Education (ISTE)	MCE, Hassan Chapter	Life Member	Membership No.: LM26224

10. Resource Person in Workshops/Training Programmes

Month and Year	Institution	Name of workshop/conference	Title of the session held	Target Group
20/7/2021	BGSIT, BN Nagara	Webinar	Important Algorithm concepts through Real life examples.	Second year BE in CSE students
6/7/2021	SJCIT, Chikkaballapura	Webinar	Important Algorithm concepts through Real life examples.	Second year BE in CSE students
23/2/2021	Govt Polytechnic, HN Pura	Workshop	AI in Everyday Life	Final year diploma students
12/7/2019	MCE, Hassan	AICTE STTP on Smart-2019	Govt. Initiatives in Building Smart cities in India	Faculty from Engineering & Polytechnic
9/5/2019	VVCE Mysuru	Technical talk	Design of Algorithms	3rd year students of CSE & ISE from VVCE
30/8/2018	Govt Polytechnic, Holenarsipura	Technical talk	Big Data & Hadoop	2nd & 3rd year students
6th to 8th August, 2018	Jorhat Engineering College, Jorhat	Twinning Programme	Python Programming	Third Year CSE students of JEC, Jorhat
10th to 17th July 2018	MCE, Hassan	Internship for NDRKIT Students	Python Programming	Final year CSE students from NDRKIT, Hassan
11th May, 2018	VVCE Mysuru	Technical talk	Algorithms	3rd year students of CSE & ISE from VVCE

25th October, 2017	Smt L V Polytechnic, Hassan	Technical talk	Big Data and Hadoop	Students from computer science department
5th October, 2017	Navodaya Vidyalaya, Maavinakere, Hassan	Training for Maths Teachers	Use of ICT Tools in teaching Mathematics	Teachers from Navodaya Vidyalaya
11th August, 2017	Maharaja Institute of Technology, Thandavapura, Mysor	Special Lecture	Problems Solving and Design of Algorithms	Students from computer science department
3 to 4 March 2017	Haranahalli Institute of Higher Learning, Hassan	Excel made Easy	Several sessions	MBA and M Com students
Jan 16-17 2017	Malnad College of Engineering, Hassan	Python programming	Several sessions	Students of MCE, Hassan
11 July 2016	Women Polytechnic, Hassan	Computer Hardware and Advanced Protocols	A Brief look into Parallel Architecture	Participants of FDP
29 Feb 2016	NDRK Institute of Technology	Latex Internals	Several sessions	Students of EC and CS , NDRKIT, Hassan
21 Nov 2015	NDRK Institute of Technology	Special Lecture	A Look into Parallel Architectures – Multi-core, Many-core, GPGPU	Students of EC and CS , NDRKIT, Hassan
3 Nov 2015	Malnad College of Engineering, Hassan	Technical Report Writing using LATEX	Several sessions	Students of MCE, Hassan
22 June 2015	Malnad College of Engineering, Hassan	Programming Foundation with C	Several sessions	Students of MCE, Hassan
7 April 2015	Malnad College of Engineering, Hassan	Technical Report Writing using LATEX	Several sessions	Students of MCE, Hassan
19 March 2015	Malnad College of Engineering, Hassan	Technical Document Typesetting with Latex	Several sessions	Faculty & Students of Dept. of E & I Engg. MCE, Hassan
14 April 2008	MSRIT Bangalore	Multicore Programming	Parallel Algorithms	Engineering college faculty

11. Chairmanship/Membership in University Academic Bodies, PG Level (BOE/BOS)

Name of the Academic Body	Position	University	Period	
			From	To
BOE (C S and Engg)	Member	MCE, Hassan	2016	Till date
BOE (C S and Engg)	Member	SJCE, Mysore	2013	2016
BOE (C S and Engg)	Member	PESCE, Mandya	2014	2016
BoS (ISE)	Member	PESCE, Mandya	2017	2020
BoE (CSE)	Member	SIT, Tumkur	2017	2019
BoE (ISE)	Member	Nitte Meenakshi Institute of Technology	2018	2019
BoS UG course	Member	PESCE, Mandya	2018	2020
BoS UG course	Member	NIE, Mysor	2020	2022

12. Reviewer

Name of the conference	Date	Place
IEEE 9 th International conference INDIACom	11 - 13 March, 2015	Bharati Vidyapeeth, New Delhi (INDIA)
IUCEE 4 th International Conference on Transformations in Engineering Education, Hyderabad, International	Jan 6-8, 2017	Vardhaman College of Engineering, Hyderabad
IUCEE 5 th International Conference on Transformations in Engineering Education,	Jan 4-6, 2018	Bennett University, Greater Noida
Fifth International Conference on “Emerging Research in Computing, Information, Communication and Applications” (ERCICA 2018)	July 27-28, 2018	Nitte Meenakshi Institute of Technology (NMIT)

13. Details of Administrative Experience

University/Department	Position Held	Period	
		From	To
Malnad College of Engineering, Hassan	Head, ISE Dept.	Jan, 2012	Feb 2015
Malnad College of Engineering, Hassan	Dean - SA	Nov 2015	Nov 2017
Malnad College of Engineering, Hassan	Head, ISE Dept.	Dec, 2016	Till date
Malnad College of Engineering, Hassan	Dean - AA	Aug, 2019	Till date

14. Membership in Employees Association

Name of the Association	Position held	Period	
		From	To
MCE Staff Club	Member	1992	Till Date
MCE Staff Welfare Association (R)	Member	2013	Till Date

15. Honors and Awards

Type of Honor	Occasion and Venue	Date	Place
Guest of honour	Women's Day	8 March 2010	BGSIT B.G. Nagar, Mandya.
Best Paper award	International conference CEM 2011	21 Dec 2011	JNNCE, Shimogga
Chief Guest	Inter-Collegiate Festival	8 Feb 2012	AIT, Chikmagalur
Best Women Engineer	Engineers Day, VVC Auditorium, Mysor by Negilayogi Trust	24-9-2017	Mysor

16. Ph. D. Guidance

SI No	Name	USN	Title	Status
1.	Shrisha H S	4MC18PIS03	Content Storage Management in Names data networks	In Progress
2.	Arun N	4MC17PEA09	A Novel Security Approach for Adhoc Network	In Progress
3.	Sunitha P	4MC19PCS01	Crop yield enhancement by detecting Micro-nutrient deficiency in plants/crops- A Machine learning approach	In Progress