


**JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING  
SHIMOGA**

**Faculty Bio-Data**

1	Name of the Teaching Faculty	Dr Ushadevi M B			
2	Designation  Contact Details: Mobile No: Email Id:	Professor & HEAD Dept.of TCE JNNCE,Shimoga 8277324422 premakn@jnnce.ac.in			
3	Department	Telecommunication Engineering			
4	Date of Joining the Institution	30-04-1998			
5	Qualification with % of Marks & Grade with year	UG BE, 72%, FCD, 1994	PG M.Tech, 74%, FCD, 1998	PhD 2010	
6	Total Teaching Experience at JNNCE and at other places	JNNCE:19yeras	Industry  Nil	Research  2years	
7	PhD Guide? Give field & University. Yes  Field: Electronics University: VTU				
8	Journals and Conference Papers Published details  1. Sclera Feature Extraction for Detection or Diabetic Disease, International journal of advanced research in computer and communication engineering, Volume 5, Issue 6, June 2016. 2. Sclera Feature Extraction for Personal Authentication, International journal of advanced research in computer and communication engineering,, Volume 5, Issue 3, June 2015. 3.				

**National : Conference:**

1. Paper entitled “Multiresolution EEG Signal Analysis using Wavelet and their application to Telemedicine.” in Proceedings of National Conference on Vision, Graphics & Image Processing- NVGIP-2005 Organized by CS&E Dept., JNNCE and sponsored by VTU, Belgaum & ISTE, New Delhi. On 02-03-05.
2. Paper entitled “El-Gamal cryptosystem using Elliptic curve cryptanalysis for wireless security” in Proceedings of National Conference on Advanced Communication Techniques and Research. ACTR-2005 organized by CIT, Gubbi, Tumkur District. On 15-04-05.
3. Paper entitled “Design of DSP based hardware Elliptic curve Crypto processor for Wireless Security” in Proceedings of National Conference on Cryptography 2005 organized by JNNCE, Shimoga on 13-08-2005.
4. Paper entitled “Impact of Data communication Networks on Customers” in Proceedings of National Conference NC-IIC 2006 organized by Dept of MBA, JNNCE, Shimoga from 24-25 Nov, 2006. Page No 33
5. Paper entitled “The performance of circuit switching in the Internet” Presented at National Conference NACIPAN-2007, organized by Dept. of Computer Science, National College of Engineering, Koilpatti, Tamilnadu from 2-3 March, 2007. Page No 530-537

**International :Conference:**

1. Paper entitled “A Real Time Health Monitoring System” in proceedings of International Conference on Human Machine Interfaces, ICHMI-2004 organized by JNNCE, Shimoga, Kuvempu University and MIT Touch Lab, USA held at J.N. TATA Auditorium, IISc, Bangalore. On 21-12-2004.
2. Paper entitled “Comparative Study of Switching Technique in High-Speed Networks and Their Performance” Presented at International Conference ADELCO-2007 organized by Dept of E&C, National College of Engineering, Kovilpatti, Tamilnadu from 1-3 Feb 2007.
3. Paper entitled “Efficient Fair Queuing using Adaptive RED Algorithm for High Speed Networks” Presented and Published in the Proceeding of International Conference ICICA 2007, Organized by University Technologies PETRONAS, Malaysia from 25-28 Nov 2007. The ICIA 2007 Proceeding will be published in IEEE Explore online database
4. Paper entitled “Low-Latency Scalable Switch Architecture for ATM/WDM High-

	<p>speed Network” Presented and Published in the Proceeding of International Conference ICICA 2007 Organized by University Technologies PETRONAS, Malaysia from 25-28 Nov 2007.The ICIAS 2007 Proceeding will be published in IEEE Explore online database</p> <p>5. Paper entailed “Analysis and Simulation of Traffic Control Algorithm for Packet Switching Networks” Presented and Published in the Proceeding of International Conference ICICS 2007 Organized by Nanyang Technological University, Singapore from 10-13 Dec 2007.The ICICAS 2007 Proceeding will be published in IEEE Explore online database.</p> <p>6. Paper entailed “Congestion Control in FAST TCP for High Speed Networks” Published in the Proceeding of International Conference INCRUIS-2008 organized by Kongu Engineering College,Erode,TamilNadu from 3-5 January 2008</p>																																				
9	<p>Areas of Additional Technical knowledge acquired apart from the regular teaching subjects: Learning network simulator NS-2.</p>																																				
10	<p>Conferences attended details-year wise</p> <p style="text-align: center;"><b>National Conference and Short Term Courses Co - ordinated</b></p> <table border="1" data-bbox="277 1039 1398 2047"> <thead> <tr> <th>Sl.No</th> <th>Topic</th> <th>Organisation</th> <th>Period</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Co-ordinator for Remote Center at JNNCE, Shimoga to IIT Bombay</td> <td>IIT Bombay / Kharagpur at Remote Center JNNCE, Shimoga</td> <td>From Aug 2012 to till date</td> </tr> <tr> <td>2.</td> <td>Aakash for Education</td> <td>IIT Bombay at Remote Center JNNCE, Shimoga</td> <td>10-11-2013 to 11-11-2013</td> </tr> <tr> <td>3.</td> <td>Aakash programming application for students</td> <td>IIT Bombay at Remote Center JNNCE, Shimoga</td> <td>23-24 Feb 13 &amp; 02-03 March 13</td> </tr> <tr> <td>4.</td> <td>Co-convener for National Conference on Radio Frequency and Wireless Network.</td> <td>IETE sub center, JNNCE, Shimoga</td> <td>09,10,11 May 2013</td> </tr> <tr> <td>5.</td> <td>Technical session chair for National Conference on Radio Frequency and Wireless Network.</td> <td>IETE sub center, JNNCE, Shimoga</td> <td>09,10,11 May 2013</td> </tr> <tr> <td>6.</td> <td>2-week ISTE workshop on Database Management System (DBMS)</td> <td>IIT Bombay at Remote Center JNNCE, Shimoga</td> <td>21-05-2013 to 31-05-2013</td> </tr> <tr> <td>7.</td> <td>2-week ISTE workshop on Analog Electronics.</td> <td>IIT Kharagpur at Remote Center JNNCE, Shimoga</td> <td>04-06-2013 to 14-06-2013</td> </tr> <tr> <td>8.</td> <td>Technical session chair for National Conference on ASPCN-2013 at SSIT Tumkur</td> <td>SSIT, Tumkur</td> <td>29 &amp; 30 Aug 2013</td> </tr> </tbody> </table>	Sl.No	Topic	Organisation	Period	1.	Co-ordinator for Remote Center at JNNCE, Shimoga to IIT Bombay	IIT Bombay / Kharagpur at Remote Center JNNCE, Shimoga	From Aug 2012 to till date	2.	Aakash for Education	IIT Bombay at Remote Center JNNCE, Shimoga	10-11-2013 to 11-11-2013	3.	Aakash programming application for students	IIT Bombay at Remote Center JNNCE, Shimoga	23-24 Feb 13 & 02-03 March 13	4.	Co-convener for National Conference on Radio Frequency and Wireless Network.	IETE sub center, JNNCE, Shimoga	09,10,11 May 2013	5.	Technical session chair for National Conference on Radio Frequency and Wireless Network.	IETE sub center, JNNCE, Shimoga	09,10,11 May 2013	6.	2-week ISTE workshop on Database Management System (DBMS)	IIT Bombay at Remote Center JNNCE, Shimoga	21-05-2013 to 31-05-2013	7.	2-week ISTE workshop on Analog Electronics.	IIT Kharagpur at Remote Center JNNCE, Shimoga	04-06-2013 to 14-06-2013	8.	Technical session chair for National Conference on ASPCN-2013 at SSIT Tumkur	SSIT, Tumkur	29 & 30 Aug 2013
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	9.	2-week ISTE workshop on Engineering Mechanics	IIT Bombay at Remote Center JNNCE, Shimoga	26-11-2013 to 06-12-2013
	10.	Technical session chair for Inter National Conference on MPCIT - 2013	IETE sub center, JNNCE, Shimoga	19,20,21 Dec 2013
	11.	2-week ISTE workshop on Signals and Systems.	IIT Kharagpur at Remote Center JNNCE, Shimoga	02-01-2014 to 12-01-2014
	12.	2-week ISTE workshop on Fluid Mechanics	IIT Kharagpur at Remote Center JNNCE, Shimoga	20-05-2014 to 30-05-2014
	13.	ISTE workshop on Computer Programming	IIT Bombay at Remote Center JNNCE, Shimoga	16-06-2014 to 21-06-2014
	14.	ISTE workshop on Computer Networking	IIT Bombay at Remote Center JNNCE, Shimoga	30-06-2014 to 05-07-2014
	15.	ISTE workshop on Cyber Security	IIT Bombay at Remote Center JNNCE, Shimoga	10-07-2014 to 20-07-2014
	16.	ISTE workshop on Control System	IIT Kharagpur at Remote Center JNNCE, Shimoga	02-12-2014 to 12-12-2014
	17.	ISTE workshop on Pedagogy for ICT	IIT Bombay at Remote Center JNNCE, Shimoga	5-7 JAN 2015 to 19-21 JAN 2015
	18.	ISTE workshop on Design of Algorithms	IIT Kharagpur at Remote Center JNNCE, Shimoga	25-05-2015 to 30-05-2015
	19.	ISTE workshop on Environmental Studies	IIT Bombay at Remote Center JNNCE, Shimoga	02-06-2015 to 12-06-2015
	20.	ISTE workshop on Information and Communication Technology	IIT Bombay at Remote Center JNNCE, Shimoga	30-11-2015 to 05-12-2015
	21.	ISTE workshop on Introduction to Structural Engineering	IIT Kharagpur at Remote Center JNNCE, Shimoga	04-01-2016 to 09-01-2016
	22.	Co-ordinator for National Conference on Research in Emerging Trends "NACORE-2016	JNNCE Remote Center	28-30 Jan 2016
	23.	ISTE workshop on CMOS, Mixed Signal and Radio Frequency VLSI Design.	IIT Kharagpur at Remote Center JNNCE, Shimoga	30-01-2017 to 04-02-2017
11	Books Published / IPRs/ Patents  NIL			

12	Professional Memberships: Member of IETE and ISTE
13	Consultancy Activities -----
14	Grants fetched details  Rs 20 lakhs received from IIT Bombay / Kharagpur funded by MHRD Govt. of India to organize ISTE workshops at JNNCE Remote Center since Nov 2013.
15	Achievements and Recognitions / Awards Organized /  Conducted 20 ISTE workshops under JNNCE Remote center for IIT Bombay Kharagpur.
16	Any other relevant information  Organized National Conference “NACORE-2016” at JNNCE Remote Center from 28-30 JAN 2016.