

RNS Institute of Technology, Channasandra, Bangalore-560098
ECE Dept | RESUME - Faculty

Name	Dr. M K Venkatesha		
Date of Birth	02.06.1959		
Address	Principal RNS Institute of Technology, Dr. Vishnuvardhan Road Rajarajeshwari Nagar, Channasandra, Bangalore -560 098 E-mail: mkvenkatesha@gmail.com		
Subject / Discipline/ Major	Electronics and Communication Engineering		
Educational Qualifications	Exam Passed	Institution University	Year
	Degree: BE (B.E. - EC)	University of Mysore / MCE, Hassan	1981
	PG: M.Sc. (Engg.) - EE	University of Manitoba (CANADA)	1986
	Higher: Ph. D. - EC	University of Mysore	1998
Experience	Nature of Experience	No. of Years	
	Teaching and Administration	40	
Experience Details	Designation	Institution/ Organization	Duration
	Principal	RNS Institute of Technology	July 2008-Till date
	Principal	BMS College of Engineering, Bangalore	July 18, 2005- July 17, 2008
	Advisor-I (On Deputation)	AICTE, New Delhi	May 24, 2004-June 29, 2005
	Registrar (Evaluation) (On Deputation)	VTU, Belgaum	July 25,2001-May 20, 2004
	Registrar (Additional Charge)	VTU, Belgaum	Feb. 01, 2002-Feb. 28, 2002
	Professor	Malnad College Engineering,Hassan.	Oct. 1999-July 16, 2005.
	Assistant Professor	Malnad College Engineering, Hassan.	Dec. 1987-Oct. 1999
	Lecturer	Malnad College Engineering, Hassan.	Oct. 1981-Dec. 1987
Awards and Citations	<ul style="list-style-type: none"> Certification and Cash Prize by the KSCST for having guided projects that were selected for the best project of the year in the KSCST Seminar cum Exhibition - 1996. Recipient of the Manitoba Hydro Fellowship during Master's program Recipient of the J C Bose Gold Medal of IETE for the year 1994-95. Recipient of Gurukula State Award for the year 2003. Best Teacher Award in RNSIT during 2014-15. 		
Highlights of Major Contributions at RNSIT	<ul style="list-style-type: none"> Brought in many innovative and creative methodologies, which has resulted in RNSIT being recognized as one of the top 10 institutions in Bengaluru. Some of these methodologies in force are being emulated by other institutions. Introduction of Academic Audit and interviews for regularization of services, release of annual increments, AGP, three non-compounded increments to faculty members 		

- Streamlining of Administrative and Examination Procedures
- Increase in UG/PG intake from 540 in 2008 to 1182 as on date
- Accreditation of UG Programmes in 5 Disciplines
- Introduction of M.Tech. Programmes in 5 Disciplines
- Approval of R&D Centres leading to registration of 50 faculty members for Ph D.
- Student and Staff friendly environment without compromising on discipline
- Introduction of QIP Scheme
- Procedures to ensure that image of the institution is held high in the eyes of public and because of this all our seats get filled up.
- Introduction of RNS Gold Medals at VTU, Belgaum and RNSIT for Rank Holders

Areas of Research Interest & Guidance

- *Power Electronics, Digital Circuits, Digital Signal Processing and its Applications, Image and Speech Signal Processing*

• PROGRESS OF RESEARCH SCHOLARS

Student Name	Thesis Topic	Status	Research Centre and University
Radhika K R BMSCE, Bengaluru	On-line and Off-line Biometric Behavioral Pattern Signature Authentication System	Awarded in 2011	Dept of ECE, BMSCE, under VTU, Belgaum
H R Bhagyalakshmi BMSCE, Bengaluru	Optimization of Reversible Logic Circuits	Awarded in 2013	Dept of ECE, BMSCE, under VTU, Belgaum
Rekha Dundur NMAMIT, Nitte	Cochlear Filter Implementation on FPGA	Awarded in 2014	Dept of ECE, NMAMIT, Nitte, under VTU, Belgaum
Anitha C BMSCE, Bengaluru	Facial Gesture Recognition	Awarded in 2016	Dept of ECE, BMSCE, Bengaluru, under VTU, Belgaum
M J Sudhamani RNSIT, Bengaluru	Human Authentication using Multimodal Biometrics	Awarded	Dept of ECE, BMSCE, Bengaluru, under VTU, Belgaum
G N Srikanth RNSIT, Bengaluru	Detection of lip movements of humans from the speech signal	Course work completed	Dept of ECE, RNSIT, Bengaluru, under VTU, Belgaum

National/ International Conferences Attended & Papers Presented

Total Number of Research Publications in Journals and Conferences : 90

Number of citations : 50

Program Chair/ Organizing Chair for International/National Conferences : 10

Number of FDPs Organized : 15

Other VTU assignments

- Member, Academic Senate (2006-09)
- Chief Valuation Coordinator 5 Times (Once at BMSCE & 4 times at RNSIT).
- LIC Chairman and Member for Inspection of Engineering Colleges

Contribution to Books and Manuals

Title	Author	Remarks
Electrical and Electronics Engineering for Scientists and Engineers	Dr.K.A.Krishna murthy	Significantly contributed in the preparation of manuscripts.
Electrical, Electronics and Computer Engineering for Scientists and Engineers.		
<i>Digital Electronics Lab Primer</i>		

Additional Information (if any)

SPONSORED RESEARCH

Agency	Title of Research	Period	Role
AICTE / MHRD	PWM for 2/3 level converter/inverter	1989-91	Principal Investigator
AICTE	Microprocessor based thyristor assisted power factor Improvement	1993-95	Principal Investigator
AICTE	Study of Energy losses in Irrigation Pump Sets, Burn-out Rates due to Single Phasing - Remedies.	1996-98	Co-investigator
ISRO	Microprocessor based step tracking system	1996	Co-investigator
SAIL	Microprocessor Control of Large forging machine	1998	Co-investigator
AICTE	Measurement of Harmonics- Microprocessor Based	1998	Principal Investigator

CONTINUING EDUCATION PROGRAMMES ORGANIZED

ISTE sponsored short term courses for Engineering College Faculty	
Title of Course	Period
Power Electronics and Applications	June/July, 1985
Microprocessors and Applications	Dec. 1985
Satellite Communications	June/July 1987
Digital Communication through Satellites	July 1993
Recent Advances in Digital Signal Processing	June 1994
Instrumentation, Control and Guidance	April 1996
8086 Interfaces and Applications	September 1998
Measurement Techniques and Instrumentation	August 1999
Effect of Harmonics generated by PE Circuits	Mar. 2001
STTP sponsored by the Directorate of technical education under the World Bank Assisted Projects for Faculty from Polytechnics	
Title of Course	Period
Industrial Electronics	August 1996
10 days with 8085	March 1997
Microprocessor Interfaces	Jan./Feb. 1997
Office Automation	Nov. 1997
Office Automation	Dec. 1997
Office Automation	March 1998

