Author's Biography

Prof. B M Naik is founder principal of Shri Guru GobindSinghji Institute of Engineering &Technology at Nanded. He is a known institution builder, who built this institution in a class mannerB. E. Civil, M.E. (Germany), worked as Principal, SGGS college of Engineering, Nanded (1983-1999), Professor IIPA, Delhi. At university level Chairman BOS, Member of Academic Council and Dean Engineering. Member of various committees appointed by UGC, AICTE, and Government of Maharashtra. Presented papers at International conferences in various countries. Currently working as consultant for Quality Management. Innovation Center and Intellectual Property RightsHe is mentor to manycolleges and universities. He is the author of five books and one hundred articles. He prescribes colleges to have technology incubation centre, innovation centre, research park,patent & IPR centre. These centres increase imagination, creativity, and innovation attitude. Only class room teaching, although good is not enough. Students ought to learn leadership skills for profession. They ought to take country to greater heights.

Walter Mc Donald is a PhD Student, jointly advised by Drs. Dymond and Lohani, in the Civil & Environmental Engineering program at Virginia Tech with a focus in water resources engineering. He received a B.S. in Civil Engineering from Texas Tech University and an M.S. in Civil Engineering from Texas A&M University. He has had extensive training in hydrology and currently works in the LEWAS lab where he conducts watershed research. He has also developed and implemented curricula integrating the LEWAS into multiple courses at Virginia Western Community College, Roanoke and Virginia Tech, USA.
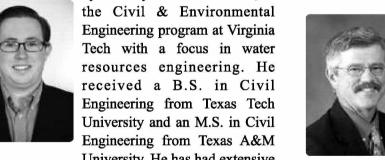
Vinod K. Lohani is a Professor of Engineering Education and an adjunct faculty in Civil & Environmental Engineering at Virginia Tech (VT), Blacksburg, USA. He is the founder and director of an interdisciplinary lab called Learning Enhanced Watershed Assessment System (LEWAS) at VT. The LEWAS lab has graduate and undergraduate students with backgrounds in engineering education, civil and environmental engineering, electrical and computer engineering, computer science, biology, and mechanical engineering. He received his undergraduate engineering degree in India(Pantnagar University), M.S. at the Asian Institute of Technology, Thailand and Ph.D. in civil engineering from VT. Dr. Lohani's research interests are in the areas of computer-supported research and learning systems, hydrology, engineering education, and international collaboration. He has led several interdisciplinary research and curriculum reform projects, funded by the U.S. National Science Foundation, at VT. He has been directing/co-directing an NSF/Research Experiences for Undergraduates (REU) Site on interdisciplinary water sciences and engineering at VT since 2007.

Randy Dymond is an Associate Professor of Civil and Environmental Engineering at Virginia Tech and has more than 30 years of experience in academics, consulting, and software development. Dr. Dymond has published more than 70 refereed journal articles and proceedings papers, and had more than 120 research proposals funded from many diverse agencies. His research areas include geospatial information systems, urban stormwater modeling, low impact development, and sustainable land development.

Daniel S. Brogan is a PhD student, advised by Dr. Lohani, in Engineering Education with BS and MS degrees in Electrical Engineering. He has completed several graduate courses in engineering education pertinent to this research. He is the key developer of the Online Watershed Learning System (OWLS) and has a leading role in the LEWAS lab development and implementation work. During last 3 years, he has mentored multiple graduate and undergraduate students and two NSF/REU Site students in the LEWAS lab. He assisted in the development and implementation of curricula for introducing the LEWAS at Virginia Western Community College, Roanoke, Virginia. Additionally, he has a background in remote sensing, data analysis and signal processing from the University of New Hampshire, USA.

Joe Tranquillo is an Associate Professor of Biomedical and Electrical Engineering at Bucknell University. Joe was the founder of the Biomedical Engineering Society Undergraduate Research Track, and co-founder of the KEEN Winter Interdisciplinary Design Experience. He currently serves as the Chair of the American Society for Engineering Education (ASEE) Biomedical Engineering Division (BED), the co-director of the Institute for Leadership in Technology and Management and is co-editor of the Morgan and Claypool biomedical engineering book series. His work has been featured on the Discovery Channel, TEDx, US News and World Report, and CNN. He has won the national ASEE BED Teaching Award and is currently a National Academy of Engineering Frontiers of Engineering Education Fellow and an NSF Pathways to Innovation Faculty Fellow.

Bala Ajjampur is passionate and committed to make learning happen for the learner through an education that accentuates the skills and talents specific to the learner. He founded Q T i M E   L e a r n i n g (www.qtimelearning.com) with this core purpose in mind, to provide a paradigm shift in learning for the 21st century.
He is actively engaged in giving talks and researching on the many facets of learning that are grounded to the needs of the 21st century learning and in a landscape that is vastly different from the learning landscapes witnessed hitherto.
His IT profession, lasting more than a decade in the IT fast lane, provides a perspective on learning that is just not limited to the technological breakthroughs, but also provides the societal and organizational context by his widespread global travelling. His IT professional career spans Europe, USA, Australia and New Zealand. He has researched the delivery of education in and across countries including India, Australia and USA. He actively posts and blogs on transformational learning at QTiME website. He is a member of Australian Computer Society and holds a master's degree in Electrical and Electronics engineering from IISc, Bangalore, India. He reads widely; enjoys playing cricket, golf and chess; and, currently resides in Melbourne, Australia

Krishna's (Krishna V. Prasad) passion is to harness to the Power Sector, the tremendous potential of IT Services and Solutions. He is an electricalengineer who has worked with SCADA + EMS systems during a major part of his career. He is with Tata Consultancy Services Limited (TCS) presently and has worked earlier with companies like Control Data Corporation (USA), Kema Consulting (USA), Best & Crompton Engineering, and CMC Limited. His passion is to increase the adoption of IT in the power sector and to adopt the same in an enterprise wide manner. His B.E. and M.E. in Electrical Engineering were from UVCE (Bangalore University), and Indian Institute of Science respectively.

Krishna's Master of Science and Doctor of Science degrees were in the Department of Systems Science and Mathematics at the Washington University in St.Louis, Missouri, USA. His Masters Thesis was in the area of Control Systems while his Doctoral Thesis was in the area of Control of Power Systems.Krishna is a Senior Member of IEEE, Member of The IET - UK, and a Fellow of The Institution of Engineers (India). He enjoys reading mystery, adventure, & science fiction novels.

PK Tulsi, Professor & Head of Education & Educational Management and Dean, R&D has been working in NITTTR, Chandigarh since 1986. She is intensively involved in training technical teachers in the area of Educational Technology and Educational Management and undertaking research in the area of technical education.She has coordinated about 500 programmes for technical teachers and has acted as resource person in training programmes organized by Academic Staff College, Panjab University, ISTE, Universities, Engineering Colleges and Polytechnics as well other degree colleges. She has to her credit 40 research publications and 28 research projects.

MP Poonia is a Director of National Institute of Technical Teachers Training & Research, Chandigarh. He is member of IEI, ISTE & Society of Automotive Engineers. He is a recipient of State award from the Government of Rajasthan for meritorious services rendered to the state. He is providing academic leadership to NITTTR and the institute has been able to widen the scope of its programmes and activities and has improved the quality. He is a member of a number of high level committtees. He has published 80 papers in national & international journals and has undertaken projects sponsored by AICTE, DST, Delhi and Govt. of Rajasthan and MHRD.

P. Chenna Reddy did his B.Tech from S.V. University College of Engineering, Tirupati, M.Tech & Ph.D from JNTU, Hyderabad. He has 18 years of Teaching experience. His areas of interest are Computer Networks, Computer Programming and Bio-inspired networking. He is currently working as Professor at JNTUA College of Engineering, Pulivendula. He has published several papers in reputed journals and conferences

S. Pavan Kumar is working as an Assistant Professor in the Department of Humanities, Social Sciences and Management, National Institute of Technology Karnataka (NITK), Surathkal. Dr. S. Pavan Kumar had received his Doctorate in management from Indian Institute of Technology Kharagpur (IIT Kharagpur) in the year 2011. He is having about fifteen years of academic and industry experience. Dr. S. Pavan Kumar has delivered training sessions on SPSS and AMOS softwares for the faculty working for various engineering & management institutions, management executives, and research scholars. He had published and presented number of papers in national and international journals and conferences. He is also on the advisory board of a few start-up companies and educational institutions. His research interest includes human resource analytics, organizational development and contemporary issues in management. One can reach him at pavankumar@nitk.ac.in,saraf_pavan@rediffmail.com.

Vijai N. Giri is Professor & Head in the Department of Humanities & Social Sciences, IIT Kharagpur. He has been teaching subjects related to Communication Studies. He has received many awards including DAAD-Fellowship, Germany. He has published a book, number of book chapters, and more than forty research papers in referred journals. He has supervised eight students for Ph.D. degree. He was on the editorial board of 'Communication Theory" published by

International Communication Association, USA and member editorial board "Encyclopaedia of Communication Theory" published by Sage, USA. His current research interests include organizational, interpersonal and intercultural communication, communication styles, and conflict management.

O. T. Remadevi. A gold medalist from Kerala University, Mrs. Remadevi has Master's Degree in Child Development, L.L.B in Labour Laws and M.B.A.(Human Resource Management). She had been with International Organizations (Danish International Development Agency, UNDP/UNFPA) and Non-Governmental Organizations, at senior professional levels. She has also served as the Head of M.B.A. Department in one of the Off-campus centres of the Mahatma Gandhi University, Kottayam, Kerala State. She has presented many papers at national and international conferences and has contributed in various international publications. She is pursuing research on the employability skills of engineering students, at the Research and Development Centre, Bharathiar University, Coimbatore, Tamil Nadu, India, under the guidance of Prof. Dr. V. Ravi Kumar, CMS Institute of Management Studies, Coimbatore.

V. Ravi Kumar : A Ph.D holder in Management, Dr. Ravikumar has Master's Degrees in Commerce and in Business Administration.. He has extensive corporate and academic experience. Currently, he is Professor at the CMS Institute of Management Studies, Coimbatore. He has published several papers in national and international journals and is among the panel of examiners of various universities for M.B.A and M.Com. He is also among the panel of approved research supervisors of Bharathiar University, for its Ph.D and M.Phil Programmes.

R. Vijaya Prakash working as Associate professor in Department of Computer Science and Engineering, SR Engineering College, Warangal, Telangana for the past 10 years of teaching and research experience. I have a total of 16 years of teaching experience. I completed my PhD from Kakatiya University, Warangal and M.Tech from Punjabi University. My area of interest are Data Mining, Artificial Intelligence and Cognitive Science.

Sachin S. Patil, HOD and Asst. Professor in Computer Science and Engineering Department at Rajarambapu Institute of Technology, Rajaramnagar an autonomous institute with 10 years of teaching experience at UG and PG courses in engineering. He has a B. E (CSE), First class with Distinction from TKIET, Warananagar, affiliated to Shivaji University, Kolhapur (2003) and M. Tech (CST), First class with Distinction from Dept. of Technology, Shivaji University, Kolhapur (2010), currently pursuing Ph.D. at Shivaji University, Kolhapur. He was R&D, TEQIP coordinator of CSE Dept. and work as a coordinator of 2 University level programs. He delivers workshop as well as popular lectures in DBE/SP/Java Programming areas. Received Distinguished Facilitator of Inspire faculty excellence award-2013 from Infosys DC Pune. Presented IUCEE webinar under Virtual Academy and published several papers for conferences and Journals. Worked as a co-PI for In-house research funding project at RIT on "Ontology based information retrieval systems" in 2012-13. He has 13 International Conference & 2 International Journal publications. He is a member of CSI and life member of ISTE. His areas of research includes Database, Data Mining Big Data, system programming.

Khyamling A. Parane, Assistant Professor in Computer Science and Engineering Department at Rajarambapu Institute of Technology, Rajaramnagar. He has a B. E (CSE), First class with Distinction from BKEC Basavakalyan, affiliated to VTU (2009) and M. Tech (CNE), First class with Distinction from P.G. Study VTU Belgaum (2012). He has a 04 year of teaching experience at UG course in engineering, received Distinguished Facilitator of Inspire faculty excellence award-2014 from Infosys DC Pune, Silver Medal at ACQCC held at Quality Circle Forum of India, Pune chapter, Pune. Presented IUCEE webinar under Virtual Academy and published several papers for conferences and Journals. Organized workshops for faculty and students in areas like cloud computing, networks, HADOOP and Big Data analytics. His areas of research includes networking, cloud computing, virtualization and Business Intelligence system.

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Amiya Kumar Rath Presently works with Veer Surendra Sai University of Technology (VSSUT) formerly known as University College of Engineering (UCE), Burla as Professor in Computer Science & Engineering and is actively engaged in conducting Academic, Research and development programs in the field of Computer Science and IT Engineering. Prof.Rath has authored over 80 research articles published in national and international journals as well as in proceedings of learned conferences. He has also made contributions of seven books in the field of computer science and engineering. He is a member on various academic and management committee of many institutes. His experience as Professor includes teaching courses at Undergraduate and Postgraduate levels. Prof.Rath is an accessor of National Assessment and Accreditation Council (NAAC). He is actively involved in engineering education and curriculum development. His research interests include Embedded System, Adhoc Network, Biclustering, Evolutionary Computation, Education Technology and Teaching Pedagogies.

Seemita Mohanty is an Associate Professor in the Department of Humanities and Social Sciences at National Institute of Technology Rourkela with seventeen years of teaching and research experience. Her research interests include English Language Teaching, Computer Assisted Language Learning

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Srinivas Aluvala was born in India, Telangana, Warangal. He received the MCA, M.Tech degrees from Kakatiya University and Jawaharlal Nehru Technological University, Hyderabad, Telangana, India in 2006, and 2010 respectively. From 2006-2007 he worked as lecturer in Thushara Post-Graduate School of Information Science and Technology and from 2007 to till date he is working as Assistant professor in the department of Computer Science and Engineering, SR Engineering College, Warangal. His research interests include networks, network security, mobile adhoc networks and Engineering Education.

Soumya Pothupogu is working as Senior Assistant professor in the Department of Electrical & Electronics Engineering , SR Engineering College, Warangal, Telangana since 2007. M.E from Sathyabhama university in Power Electronics & Industrial Drives in 2006, B.Tech from College of Engineering GITAM, in 2002. Areas of interest are power Electronics, Artificial intelligence techniques in electrical engineering. A participant in IUCEE-IGIP, International Engineering Educator Certificate Program for Empowering Faculty to Prepare World class Engineers

S. Jayanthi is a Professor and HOD of Mathematics with a teaching experience of 29 years at BMSCE, Bengaluru. For the thesis entitled "Non-Darcy non-Newtonian free or mixed convection heat transfer problems in Porous medium", she was awarded Ph.D degree from Mathematics Department, Indian Institute of Science,Bengaluru in 2002 under the guidance of Prof. A. Chakarabarti and Prof Mahesh Kumari. Computational Fluid Dynamics, Convective heat transfer, Numerics for Partial Differential Equations are her areas of research.She has published research articles in international journals and conferences, guiding four research students and has delivered lectures at national conferences, workshops and staff training programmes,Her interests also is for Pedagogy training in Mathematics. She serves as a BOE member RVCE, Bharathiar University, Coimbatore and a life member of professional bodies like ISTE, AMS, IMS.

G. N. Sekhar Dr. G. N. Sekhar is working as Vice-Principal & Professor in the Department of Mathematics, BMS College of Engineering, Bengaluru. He obtained his Doctorate degree in Mathematics from Bangalore University in the area of Fluid Mechanics in 1990. He has 26 years of teaching experience & guiding Ph.D students. Two of his students are awarded Ph.D degree. He is the recipient of President of India Award for the best research paper presented at the 34th annual congress of ISTAM (Indian Society of Theoretical and Applied Mechanics) held at PSG College of Technology, Coimbatore, 1989 and Young Scientist Award of the ISCA (Indian Science Congress Association) for the best research paper presented by him at the 77th Science Congress held at Cochin University of Science & Technology, Cochin, 1990. He also received the "Vocational Excellence Award" from ROTARY BANGALORE, Whitefield, 2006. He has authored several research articles in National, International journals & Conference proceedings.

T.Renuka is an Associate Professor in the department of Physics, in B.M.S. College of Engineering, Bangalore. She has more than two and a half decades of experience in teaching undergraduate engineering students. Her academic achievements include twentieth rank in the tenth standard Board exams, Tamilnadu and third rank in M.Sc under Bharathidasan University. She is an avid learner from massive Open Online courses like Coursera and has done a few certificate courses. Her current pedagogical interest is using web 2.0 tools in the virtual classrooms for regular students enrolled in BMSCE.

Ameet Chavan received his Bachelor of Engineering degree in Electronics from Pune University, India in 1998. He received Master of Science degree (ECE) from University of Texas at El Paso (UTEP) in 2003 and Ph.D. (ECE) 2010 from UTEP. Dr. Chavan worked as faculty for the Department of Electrical and Computer Engineering, UTEP. He has worked on projects, as a research engineer, with Intel Corporation Inc., Advanced Micro Devices (AMD) Inc., Echostar Technologies Ltd. and Ethicon Endo, USA.

Dr. Chavan has a total 13+ years of combined experience in industry and academia. Dr. Chavan has worked on a chip design research project sponsored by the Defense Advanced Research Projects Agency (DARPA), USA which was fabricated at MIT Lincoln Labs, USA. Dr. Chavan has presented and published his research at various international conference meetings of the Institute of Electrical and Electronics Engineers (IEEE) and a NASA Symposium on VLSI Design. To further support his research, Dr. Chavan recieved research awards from NASA, DARPA, SPAWAR and The University of Texas at El Paso Graduate School. Additionally, he was awarded a Texas Instruments Foundation Scholarship, a Texas Public Education Scholarship, and a National Science Foundation (NSF) Distributed Computing Laboratory Scholarship. Dr. Chavan worked as a post doctoral faculty researcher at the ASICs research lab UTEP.

S. Bhujanga Rao graduated in Electronics Engineering from Madras Institute of Technology in 1974. He joined Electronics Corporation of India Limited (ECIL), started as an engineer and later took up research in consumer electronics products such as TV transmitters and receivers, Projection TVs, etc . While working at ECIL he completed his post graduate program in Advanced Electronics from the JNTU Hyderabad, 1984. After 25 years of service in industry he took retirement to fulfill his passion for teaching. Prof. Rao joined ECE department at SNIST in year 2000 as associate professor. He has been actively teaching and working ever since and currently he is Director, School of Electronics and Dean of Industry Institute Interaction at SNIST.

Mamatha Sirigiri was a graduate teaching assistant in the civil engineering program. She has a B. Tech degree from IIT, Chennai and a MS degree in structures and materials program from Arizona State University.

Subramaniam Rajan is a professor of civil engineering, and aerospace and mechanical engineering at Arizona State University. He graduated from IIT, Kharagpur with a B. Tech (Hons) degree in civil engineering, and a MS and PhD degrees in civil engineering from the University of Iowa. He is an author of a Wiley textbook titled Introduction to Structural Analysis & Design. He teaches courses on structural analysis and design, object-oriented numerical analysis, finite element analysis for engineers, and design optimization.