

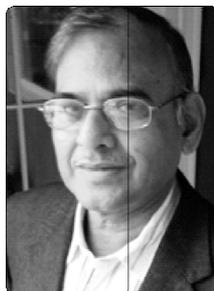
Authors Biography

Dr. Milind Kulkarni Born on July 17, 1963 in Kolhapur, Maharashtra, India, Dr. Milind Kulkarni has done his B.E. (Civil) from Walchand College of Engineering, Sangli (1985), M.E. (Civil) – Env. Engg. from VJTI Mumbai (1987) and PhD from IIT Bombay (1998). He has received various scholarships such as Middle School, High School, National Merit, GATE and QIP throughout his academic career.

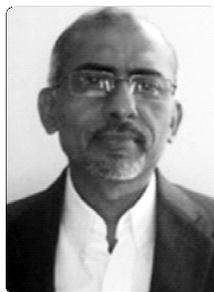


He has more than 28 years of rich academic experience as Lecturer, Asst. Professor, Professor, Director and Group Director in Engineering Institutes. He has served as expert for National Board for Accreditation of All India Council for Technical Education (AICTE). He has undertaken consultancy and research assignments for prestigious national and international organizations. He has received substantial grants from Government of India for undertaking research in the area of Source Apportionment of Personal Exposure to Air Pollution in Mumbai. He has published more than 30 papers in international and national journals and conferences and has been invited as resource person in the area of Environmental Engineering by prestigious national and international bodies. His research interests are water and wastewater treatment, carbon finance and personal exposure to air pollution. He has been on the editorial boards of national and international journals. He has been examiner for research work in IIT Bombay. He is approved PhD guide of Mumbai University and has been member of selection committees. He joined ITM Group in December 2009, as Director – Engineering Institutes. His current designation is Group Director and Professor–Engineering Institutes at ITM Group of Institutions headquartered in Mumbai. Under this role, he is directing the development of four Engineering institutes of the group located in Vizag, Nagpur, Raipur and Vadodara. He has visited countries like US, UK, Germany, Argentina, UAE and Australia for presenting papers, forging collaborations and delivering lectures

V.Thanikachalam, Former Prof and HOD, Center for International Affairs, National Institute of Technical Teachers Training and Research, Chennai; Qualifications: B.E (Civil, 1968), M.Tech (Foundation, 1970), Ph.D (Civil, 1975), M.S (Instruction System Technology, 1988, USA), FIE., FIGS., Former Fulbright Scholar).



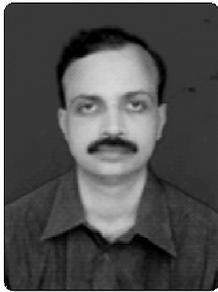
Pradeep Waychal has close to 30 years of experience in renowned business and academic organizations. He has been the founder and head of Innovation Center of College of Engineering Pune. Prior to that, for over 20 years, he has worked with a multinational corporation, Patni Computer Systems where he has played varied roles in delivery, corporate and sales organizations. He has led large international business relationships and incubated Centre of Excellences for business intelligence, process consulting and verification and validation. He has headed the corporate product and technology innovations and quality and delivery innovation departments. Pradeep was on the apex senior management group before proceeding on to pursue his academic, research and social interests. Before Patni, he has worked at IIT Delhi, IIT Bombay, SGGS College of Engineering and Crompton Greaves R & D Electronics in different research and academic positions.



Pradeep Waychal has also published papers in peer reviewed journals, presented keynote invited talks in many high profile international conferences and has been involved in a few copyrights / patents. His teams have won a range of awards in Six Sigma and Knowledge Management at international events. He has been associated with initiatives from NASSCOM, CSI, ISO and ISBSG among others.

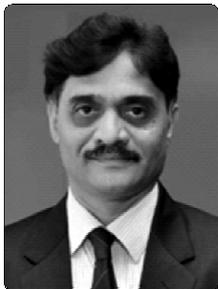
Pradeep Waychal has completed Ph D in the area of Information Technology and Innovation Management from IIT Bombay. He is credited with one of the fastest Ph D even as compared to full time research scholars. He is M.Tech in control engineering from IIT Delhi and a graduate from college of engineering Pune in Electronics and Telecommunication.

Dr. SrinivasaPai P. is currently working as Professor in the Dept. of Mechanical Engg. at NMAMIT, Nitte, Karnataka. He obtained his B.E. in Industrial Production Engg., from NMAMIT, Nitte in 1993 and M.Tech in Maintenance Engg., from SJCE, Mysore in 1996. He obtained his Ph.D in Mechanical Engg., from Mysore University in 2004. He has 20 years of teaching and research experience. He has



144 papers in various National and International Journals and Conferences. He is a life Member of Indian Society for Technical Education, Associate Member of The Institution of Engineers (I), Life Member of Tribology Society of India and Life Member of Condition Monitoring Society of India. His areas of interest include artificial neural networks, condition monitoring, high speed machining and engineering education.

Dr. Niranjana N. Chiplunkar is currently working as Principal of NMAM Institute of Technology, Nitte. Prof. Niranjana did his BE in Electronics and Communication from National Institute of Engineering Mysore in the year 1986 and M.Tech in Computer Science and Engineering from MIT, Manipal. He acquired his Ph.D. in Computer Science and Engineering from SJ College of



Engineering of Mysore University in 2002. Prof. Niranjana has more than 28 years of teaching experience. Prof. Chiplunkar has presented more than 50 technical papers in National and International Conferences and journals. His research areas of interest include VLSI for CAD, Engineering Education etc. He has organized several national and international level conferences, workshops and FDPs with funding from AICTE, New Delhi and TEQI

Dr. ShrinivasaRao B.R. is currently working as Vice Principal & Controller of Examinations at NMAM Institute of Technology, Nitte. He obtained his BE in Mechanical Engg., from MCE, Hassan and M.Tech and PhD from KREC (now NITK), Surathkal. He has more than 27 years of teaching and research experience. He is a Life Member of ISTE, New Delhi and IE(I), Kolkata. He has conducted



several national level conferences and workshops. His research areas of interest include I C Engines, Alternate fuels, Heat Transfer and Engineering Education. He has taken several initiatives to reform the examination process at NMAMIT, Nitte. P.

Dr. Subrahmanya Bhat currently working as Professor and Head in the Department of Mechanical Engineering, N.M.A.M. institute of Technology, Nitte. He obtained his B.E in Industrial & Production Engg., from MCE, Hassan in 1988 and M.Tech in Production Management, from B.E.C., Bagalkot in 1992. He obtained his Ph.D in Mechanical Engineering, from Visvesvaraya Technological



University, Belgaum in 2009. He has 27 years of teaching and research experience. He has 33 papers in various National and International Journals and Conferences. He is a life Member of Indian Society for Technical Education. He has conducted several National level Conferences and Workshops with funding from AICTE, New Delhi and TEQIP.

I, Mrs. Komal R. Pardeshi Working as Assistant Professor in Walchand Institute of Technology , Computer Science and Engineering department, Solapur since 2007 till date. I obtain an "Award of Grant-in-Aid funds of The Institution of Engineers (India) towards the engineering students projects (PG)" for project title as "Prediction of Product Sale On Discount Basis Based on



Historical Statistics”.

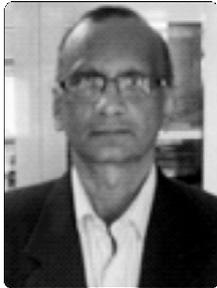
I have teaching experience for the subjects like Operating Systems, Unix Operating Systems, Microprocessor, Visual Basic, Computer Programming, Object Oriented Modelling and Design, Modern Database Systems, Distributed Systems. During my experience I guided below given project.

1. Picture Lock Screen (sponsored by Digital Mirror Solution, Ahmedabad, Gujarat)
2. Wireless Healthcare System (Sponsored by Suyog Netralay, Solapur)
3. Natinal Railway Mazdoor Union (Sponsored By National Railway Mazdoor Union, Divisional Office, Solapur)
4. Miniproject on “Costing Automation Tool ” Sponsored By Thermax Ltd. Chinchwad Pune
5. Smart Car Parking System

Publication Details:

1. Inter National Journal : 07
2. National Journal : 01
3. International Conferences: 07
4. National Seminar: 01

Dr. Madhusudan V. Atre is the CEO and Founder of Vegashakti Consultants – working with universities, government, industry, and start-ups in consulting/advisory capacities.



He is a Visiting Scientist/Consultant at Indian Institute of Science (IISc), KLE Tech Univ, and Sri Vidyaniketan College of Engg, and Bugworks Research; on the advisory board of start-ups

in Telecom, Biotechnology, Healthcare; committees with DeitY. His current interests are in MEMS/NEMS and their applications. As an industry leader, Dr. Atre brings 30 years of executive, leadership and technical experience with a strong background in many facets of the technology industries (semiconductors, materials, solar, VLSI, computing, software, modeling and simulation, mathematics, physics), including executive management, technical mentoring and leadership roles across many technology domains.

As Managing Director of US companies in India, Dr. Atre has held India responsibilities of: AMD, Applied Materials, LSI India, Agere Systems, and Lucent Tech Microelectronics.

He also had management responsibilities at Texas Instruments, and DRDO.

Dr. Atre is a Certified Coach (Marshall Goldsmith) in – a) Stakeholder Centered Coaching, and b) Global Leader of Future

Dr. Atre has got his 5-year integrated M.Sc.(Physics), from Indian Institute of Technology (IIT)-Bombay; Ph.D. (Theoretical Physics) from Indian Institute of Science (IISc)-Bangalore; has research experience at Tata Institute of Fundamental Research (TIFR), Physical Research Laboratory, Universities in the U.S. and Italy.

He has more than 60 technical papers and thought leadership articles, and has given many keynote/invited lectures.

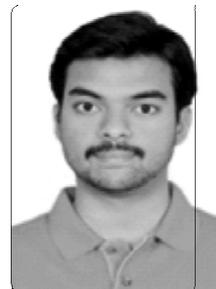
Anoosha Pai S. She has completed her BE from



Visvesvaraya Technological University in 2016. She hadperused 3-months internship at Mercedes Benz Research and Development India (MBRDI). She is the member of ASHRAE [American Society of Heating Refrigerating and Air Conditioning Engineers] BMSCE student chapter and ISAMPE [Indian Society for

Advancement of Material and Process Engineering] BMSCE student chapter. She has knowledge of software like C, AUTO CAD, MATLAB, ANSYS, ANSA, HYPERMESH, LS DYNA, LS PREPOST. She has completed Bharathanatyam Junior Grade with First Class by Karnataka Secondary Education Examination Board. She is the winner of inter, intra collegiate, Zonal, District and State level prizes in various solo and group cultural activities viz., Singing, Dancing, Acting, Debate and Painting

Nikhil H N He has completed his BE in Mechanical



Engineering from BMS College of Engineering, Bangalore. He has completed a 6 weeks internship at DUCOM Instruments, Peenya, Bangalore. He has the knowledge of AutoCAD, SolidWorks, Ansys and MATLAB. He is the former student member of Indian Society for Advancement of Materials and Processing Engineering as

well as Society of Automotive Engineers.

Rajath A Sridhara He has completed his BE in Mechanical Engineering from BMS College of Engineering, Bangalore. He has worked on projects like fluid thrust vectoring, Rolling Mill Analysis using Hot Strip Tribometer and Design and Fabrication of a Test Stand for a Hybrid Rocket Propulsion System. He has a good knowledge of SolidWorks, Catia, ANSYS, Matlab, C/C++ and

Java. He is a student member of ISAMPE (Indian society for advancement of materials and process engineering) as well as Rrotract BMSCE.

Madhav Murthy is Assistant Professor at Department of Mechanical Engineering-B.M.S.College of Engineering, Bangalore, Karnataka. He pursued his B.E (Mechanical Engineering) from S.L.N. College of Engineering, Raichur, Karnataka and obtained his M.Tech (Product Design & Manufacturing) from The National Institute of Engineering, Mysore, Karnataka. He has a

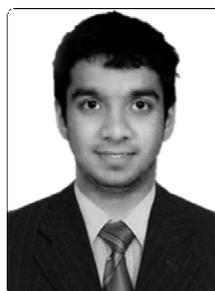
teaching experience of 10 years. Before joining BMS College of Engineering he has worked in J.S.S.Academy of Technical Education and S.B.M.Jaincollege of engineering, Bangalore. He has developed a product on Augmented Reality in collaboration with Bosch for the course engineering drawing. He has reviewed a book on Managing Engineering and Technology for international edition. He has authored several papers in various journals & conferences (national & international). He also has shouldered various responsibilities at all the colleges worked. He is the in charge for ISAMPE (professional society dealing with developments in the field of material engineering)- student chapter at BMS college of Engineering and is a life member of ISAMPE. Research interests of Madhav Murthy includes Fiber reinforced polymer composites, Machining aspects of various aluminium alloys and he takes special interest in the field of management sciences.

Rajeshwari K Working as assistant professor in the Department of ISE, BMS College of Engineering since 6 years. Having teaching experience of 8 years and a brief industry experience of 2 years. Chosen the Social Networking as research domain.



Kausthub Naarayan B

Student of Department of ISE, BMS College of Engineering from 2012 till 2016. Worked as Google Student Ambassador for the year 2014 till 2015. Interested domains are IOT and Cloud Computing.



Dr. K Mallikharjuna Babu Principal, BMS College of Engineering since 2008. Has supervised four candidates for PhD degree, and one for M.Sc degree and two are currently working for PhD. He has occupied various positions in the university.



Dr. Santosh Noronha is Assistant Professor in Chemical Engineering Department at Indian Institute of Technology, Bombay, India. He is also the Principal Investigator, MHRD Virtual Labs project, Indian Institute of Technology. His research areas include the large-scale production and purification of recombinant proteins, developing techniques that use radiolabeled nutrients as tracers and developing and applying geometric mathematical



techniques to the comparison of protein structures. He

is also associated with the Interdisciplinary programme in Educational Technology at Indian Institute of Technology, Bombay, India. In this programme his research areas are Virtual labs and Application of Remote Labs in ICT and Educational Technology.

He has various publications in national and international journals.

He has completed his PhD from University of Maryland, Baltimore County, USA.

and bachelors in chemical engineering from Indian Institute of Technology, Madras, India.

Anita S. Diwakar



is currently a Research Scholar in Educational Technology Department of Indian Institute of Technology, Bombay, India. Her core research is on "Virtual Laboratories in Engineering Education" under the guidance of Dr. Santosh Noronha, Principal Investigator, Virtual Labs project, Indian Institute of Technology, Bombay, India. The other areas of her research are learning,

microcontrollers and Embedded Systems. She has several publications in International and National conference proceedings. She has conducted many workshops for engineering faculty and students on Virtual Laboratories, Embedded Systems and Microcontrollers. She has over 24 years of teaching experience at PG and UG level in engineering colleges. She also provides technical consultancy for Embedded Systems design and development to a few industries.

She did her Masters in Electronics Engineering from Mumbai University, India and Bachelors in Electronics Engineering from Visvesvaraya National Institute of Technology, Nagpur, India.

Dr. Mrs. Sushma Shekhar Kulkarni is Director at Rajarambapu Institute of Technology, Maharashtra, India. Holds Ph.D in Civil, from Shivaji University, Kolhapur, India. Has 28 years of teaching experience in civil engineering programs. Her area of interest are Concrete Technology, TQM, Quality Circles, Construction Management, Watershed Management, Outcome based



Engineering Curricula and Best Practices in

Engineering Education and have contributed more than 75 research papers in National & International journals and conferences. One provisionally registered Patent titled 'Academic System based on Mobile Computing Devices'. She has completed sponsored project from Department of Science & Technology. She has authored a book on Total Quality Management by LAP Lambert Publication, Germany. She has visited more than 6 universities globally like United States of America, Singapore and Australia to study Engineering Education System. Dr. Mrs. S.S Kulkarni has been awarded with Bhartiya Vidya Bhavan's 'Best Engineering College Principal Award' by ISTE for the Year 2011, Emerging HRD thinker's award' by ISTD for 2011 with Gold Medal. She has contributed in various professional boards like ASEE, USA, IUCEE and Fellow of Institution of Engineers and ISTE. She has served as a chairman in Lead colleges at Shivaji University, Kolhapur. She is working as Editor for International journal 'Journal of Engineering Education Transformation', from January, 2014 in collaboration with IUCEE. She was invited as jury in GEDC- Airbus Global Diversity award at Adelaide, Australia in November 2015 & as a Keynote Speaker in the Asian Engineering Education Conference 2016 CDIO at Yanshan University, Qinhuangdao, Hebei, China, March 2016.

Dr. Hemlata Gaikwad is working with Rajarambapu Institute of Technology,



Maharashtra, India. Has 17 years of experience in management teaching and research. Her areas of interest are research methods, gender studies and teaching pedagogies. She has contributed more than 25 research papers in National & International journals and conferences. She has

authored two books. She is also working as Manager, JEET.

Thomas Iwinski is employed as an Instructional Designer by the College of Engineering at Penn State University. His primary role is leading faculty in the design and development of courseware for both resident and online instruction. He holds the following credentials: MS of Instructional Technology and a BS of Communications Media.



Mr. Iwinski is the Co-author of “Multimedia Training, Developing Technology-Based Systems”, McGraw Hill 1996. Mr. Iwinski has over 18 years of experience designing and developing computer-based training and courseware for corporations and higher education. He has several years experience building web-based simulations, modeling virtual laboratory activities, and designing distance education programs. He also has designed and built several technology based classrooms, a studio, and mobile systems for video conferencing and lecture capture for live and on-demand streaming video.

Anil K. Kulkarni Professor of Mechanical Engineering, The Pennsylvania State University, USA. Professor Kulkarni joined as a faculty member in the Department of Mechanical Engineering at The Pennsylvania State University in 1980. Prior to that, he completed B. Tech. degrees in Aeronautical Engineering and Mechanical Engineering from IIT Bombay, India, and Sc. M.

and Ph. D. degrees from Brown University, USA. His academic areas of interest are, engineering education, energy, materials processing, heat transfer, computational fluid mechanics, combustion, and professional ethics. At Penn State, Dr. Kulkarni has taught courses in Thermodynamics, Indoor Air Quality Engineering, Propulsion and Power Systems, and Measurements and Instrumentation- some of them online. He has had international collaborative activities with Australia, China, Germany, India, Japan, Norway, and (former) USSR. Currently he is a co-director of the joint Penn State – SP Pune University center.

Mr. Sandeep Desai is a graduate and post graduate of Mechanical Engineering and has also completed Diploma in Mechanical Engineering. Recently, he has submitted his Ph.D. Thesis to University of Pune. His areas of interest are Fluid Elastic Vibrations and Quality Circles. He has teaching experience of more than eleven years and is presently working as Assistant Professor in

Automobile Engineering Department of R.I.T., Sakharale. He is handling the responsibility of central coordinator of Quality Circle activity in the institute.

He has received a research grant of 8.25 lakhs from A.I.C.T.E., New Delhi under Research Promotion Scheme. One of his achievements is winning a Gold Medal award for the Quality Circle led by him, in an International Convention on Quality Control Circles held at Beijing, China. Being a Quality Circle leader, he has also represented the institute in state and national level conventions and won the prestigious awards. He has also received performance awards at institute level for last four years for achievements in key result areas. To his credit, he has research publications in reputed international and national journal.

Prof. Satyajit R. Patil is post graduate in Mechanical Engg. and graduate of Automobile Engg. He has teaching experience of 16 years at undergraduate and post graduate level with around three years of industry experience. He is recognized post graduate teacher in Automobile Engineering from Shivaji University, Kolhapur. His area of interest is automotive engineering and smart materials.

He has publications in national and international journals of repute. He has visited Denmark and China for presenting the research and case study. He fetched grant of Rs. 6.21 lakhs under MODROBS of AICTE for modernization of Automotive Electrical and Electronics laboratory of Rajarambapu Inst. of Technology, Sakharale. He has been faculty advisor for BAJA SAEINDIA teams of RIT. He is member of IEI and SAE India. Currently, he is heading Automobile Engg. Dept. of the institute.

