



COLLEGE OF ENGINEERING RESEARCH STAFF DIRECTORY

30 January 2021

Name & Designation



Professor Dr Ahmed Hassan Al Bulushi
Dean
College of Engineering
National University of Science and Technology

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Academic & Professional Qualification		
	1986-1989	Certificate and Diploma in Teaching, Teacher Training College, Qurum, Oman
	1992	B.Ed, Bristol University, UK
	1998	MBA, University of Luton, UK
	2007	PhD, Management, Argosy University, Chicago, USA
PhD/MD Thesis or Specialization		
	Leadership in HE	
Research Interests		
	Ed./HE management, curriculum & academic programs design and development, Quality Assurance & Enhancement and internationalization of HE.	
Key achievements in Teaching and Research		
	❖ 25 years of teaching, academic management and scholarly activities experience at different levels of education. ❖ Conference presentations, journal papers and book chapter in areas of interests indicated above. ❖ PhD and MSc projects supervision in related disciplines. ❖ Certified OAAA external auditor	



Name & Designation

Prof K P Ramachandran

Deputy Dean (Graduate Studies & Research)
College of Engineering

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Academic & Professional Qualification

1985	B E in Mechanical Engineering ,University of Mysore, India
1991	M Tech in Maintenance Engineering, University of Mysore ,India
2000	PhD in Mechanical , University of Mysore

Research Interests

Machine Condition Monitoring, AI Application in Vibration Analysis and Control, Maintenance Modeling & Renewable Energy

Key achievements in Teaching and Research

- 35 years of teaching experience both at PG and UG level in the area of Mechanical engineering, Instrumentation and control
- Authored 4 text books in the area of Mechatronics and Control system
- More than 95 publications in both Journals and conferences
- Supervised 8 PhD students & 40 Masters students
- Obtained 4 funded research & consultancy projects from TRC and Industries in the areas of Condition monitoring & AI application, Solar energy and Maintenance modeling



Name & Designation

Prof A. Vallavaraj
Deputy Dean (Academic Affairs)
College of Engineering

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Academic & Professional Qualification	1987	BE in Electronics & Communication, Madurai Kamaraj University, India
	1993	ME in Microwave & Optical Engineering, Madurai Kamaraj University, India
	2008	PhD in Communication Systems, Glasgow Caledonian University, UK

PhD/MD Thesis or Specialization	PhD - "An investigation into the application of companding to wireless OFDM Systems"
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Research Interests	Communication Systems, 5G and beyond technologies, Peak power issues in OFDM Systems, Cognitive radio.
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Key achievements in Teaching and Research	
• "* 32 years of academic teaching and administrative experience • Authored 4 textbooks in the areas of digital signal processing and electronic devices, and one book chapter in the area of wireless communication system. One of the books is translated into Chinese Mandarin. • More than 40 publications in journals and international conferences • Supervised 4 PhD students • Lead role in OAAA Quality Audit in 2009 and Institutional Accreditation in 2017 • * Lead role in obtaining the IET and CIOB accreditations for 10 UG programs at Caledonian College of Engineering, Oman"	



Name & Designation

Prof Dr Sudhir C V

Professor & Head Department of Mechanical and Industrial Engineering
College of Engineering

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	Mobile	+968 97375282
Academic & Professional Qualification	2001	BE: Mechanical Engineering
	2003	M-Tech.: Heat Power Engineering (Thermal Engineering)
	2008	Ph.D in Mechanical Engineering
PhD/MD Thesis or Specialization	"MICROPROCESSOR BASED GOVERNING OF LPG - ESTERIFIED WASTE COOKING OIL DUAL- FUEL ENGINE - A COMPREHENSIVE STUDY OF PERFORMANCE AND EMISSION CHARACTERISTICS"	
Research Interests	Thermal Engineering: Alternate fuels for Internal Combustion Engine Emissions. Solar energy and other Renewable Energy utilization of Bio-renewable fuels, Non-conventional fuels. Maintenance Management, Energy Audit and Energy Asset Management.	
Key achievements in Teaching and Research	• 17 years of teaching and research experience both at UG and PG levels in the core of area of research. • 50 publications in both Journals and conferences of National and International level. • Obtained 2 funded research projects (166000 OMR) from TRC grants, Oman. • Principal Investigator of an Externally Funded Research Project titled ‘Design And Development Of Desalination Flash Chamber For Integrating It With Concentrated Type Solar Collectors’ funded by The Research Council Oman, (Approved for OMR 146,900, Commenced from January 2014 completed in 2019) • Involved in the collaborated research work with faculty in Department of Mechanical Engineering, University of Nevada, Las Vegas, UNLV Center for Energy Research and recently with Mechanical	

Engineering and Design, University of East Anglia,
Norwich, UK

- BEST PRESENTATION AWARD for the technical research paper presentation on the paper titled “An Experimental Study on NO_x Emission from a LPG-Diesel Dual Fuel engine” at National Conference on Recent Advances in Mechanical Engineering, December, 2005, P. A. College of Engineering, Mangalore Karnataka State, India.
- OUTSTANDING BEST PAPER AWARD for the technical research paper entitled “Combustion Studies On CI Dual Fuel Engine with Petroleum Diesel Blends of Esterified Waste Frying Oil And LPG As Fuel” at the International Conference on Engineering Research, (ICET), held during December 11-13, 2007 at Kula Lumpur University, Malaysia.
- BEST PAPER AWARD for technical research entitled “Combustion Effect On Low Heat Rejection Engine Operated On Jatropha Biodiesel And Its Blend B20 Fuel In Diesel Engine” at XXI National conference on IC Engine and Combustion held on 10th to 12th December 2009 at Davanagere, Karnataka, India.



Name & Designation

Moammer Ali Saud AL-Tubi

Deputy Head of Mechanical and Industrial Engineering
Department
College of Engineering

Contact Details

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Mobile

Academic & Professional Qualification

2009	B.Sc. with Honours Degree in Mechatronics Engineering, Glasgow Caledonian University, UK (Undertaken at Caledonian College of Engineering, Oman).
2012	MSc in Process Engineering, Vellore Institute of Technology (University), India (Undertaken at Caledonian College of Engineering, Oman)
2018	PhD “Automatic fault diagnosis of centrifugal pumps using wavelet and artificial intelligence”, Glasgow Caledonian University, UK.

PhD/MD Thesis or Specialization

“Automatic fault diagnosis of centrifugal pumps using wavelet and artificial intelligence”

Research Interests

Artificial intelligence, machine condition monitoring, vibration analysis, genetic algorithm, maintenance management and strategies, and engineering projects.

Key achievements in Teaching and Research

- Outstanding performance certificate for the academic year 2017/18 (Omani Student Advisory Council – UK, Embassy of The Sultanate of Oman-London).
- Best paper award (19th international conference on aerospace, mechanical, automotive and materials engineering, Italy, Rome, March 2017).
- Principle Investigator of RGP- TRC Project “ Intelligent diagnostic maintenance system for process machines”.



Name & Designation

Dr. Rajakannu Amuthakkannan B.Eng, M.Eng, MBA, PhD

Associate Professor

Mechanical & Industrial Engineering

College of Engineering

National University of Science and Technology

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Academic & Professional Qualification

2008 PhD in Software Based Mechatronics Systems;
Anna University , Chennai, India

2001 M.Eng in Mechatronics; Madras Institute of
Technology, Anna University, Chennai, India

2002 MBA in Systems; Madurai Kamaraj University,
India

1996 B.Eng in Mechanical Engineering Bharathidasan
University , India

Certificate courses

1. Solar Energy
2. Artificial Intelligence, Machine learning and Deep learning

Years of Experience **24 years**

PhD/MD Thesis or Specialization

PhD Thesis: Software Quality Management and optimal Design of Software based Mechatronics Systems, Specialization: Mechatronics

Research Interests

Mechatronics, Robotics, Virtual Instrumentation, Software Quality, Artificial Intelligence, Battery Electric vehicle and Solar systems

Key achievements in Teaching and Research

- *Total publications in Journals and conferences : 80*
- *Book published : 1*
- *Overall funded projects: US\$ 2,60,000*
- *Young Scientist Award from Tamil Nadu Science and Technology (Government- State Award)*
- *Young Engineer Award from Institution of Engineers India (Reputed Professional Body)*
- *Distinguished Educator Award from GISR Foundation (NGO)*
- *Research Appreciation certificate from HE Ali Al Suniady, Minister of commerce and Industry, Sultanate of Oman*
- *Research Appreciation certificate from Dr. P. Mohammed Ali, Founder and Chairman, Galfar Engineering and Contracting Company, Oman.*
- *Delivered many guest lectures in the area of Mechatronics and Robotics*
- *Guided NU - Shell Eco Marathon Team in 2015,2016, 2018,2019 and 2020*



Name & Designation

Dr. Geetha Devi
Associate Professor
Mechanical & Industrial Engineering
College of Engineering

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Academic & Professional Qualification

2015 PhD in Chemical Engineering from NIT Durgapur, India
1996 M.Tech in Chemical Engineering, Govt Engg College, Trichur, Calicut University, India

PhD/MD Thesis or Specialization

Preparation and Characterization of Natural Degradable Nano and Micro capsules Using Layer-by- Layer Technique/Nanotechnology

Research Interests

[Nanotechnology](#) in Biomedical and Environmental Applications, Development of Nanostructured multilayers, [Nanoparticle](#) synthesis and Characterization, Biopharmaceuticals, Corrosion control and Environmental Engineering with fundamental application of nanoparticles and Nano thin films technology in wastewater treatment applications.

Key achievements in Teaching and Research

- Bagged **8 funded research projects** from various funding agencies like Industry Innovation Center (IIC), The Research Council (TRC) Oman, and National University Student and Faculty Research Grants (NUSRG/NUFRG) worth **\$ 838051.23** in the key research areas of Nanotechnology, waste water treatment, Bio pharmaceuticals, and Drug delivery.
- **Research collaboration** with University of South Carolina, USA, Jamia Milia Islamia University, Delhi, NIT Durgapur, Khalifa University Abu Dhabi, SQU Oman, University of Nizwa, Middle East Desalination Research Center, Oman etc. in the emerging areas of Nano technology, Corrosion control, Waste management, and Water treatment.
- **Scientific Committee Member**- for the selection of Omani Young Water

Researchers Award for Undergraduate and Post Graduate category in Middle East Desalination Research Center.

- **PhD Thesis examiner** in SDM College, Dharward, Karnataka, India.
- External Examiner, MSc thesis, Sultan Qaboos University.
- **Editor of the following journals**
 1. Journal of Sustainable Chemical Engineering
 2. American Journal of Nano materials
 3. Current Research in biopolymers,
 4. International Journal of Green Technology
- **Reviewer of the following journals**
 1. Journal of Chemical Engineering Thermodynamics (Elsevier).
 2. International Journal of Environmental Science & Technology (Springer).
 3. Journal of Desalination & Water Treatment (Taylor & Francis).
 4. Korean Journal of Chemical Engineering (Springer).
 5. Journal of Microencapsulation
 6. Walailak Journal of Science & Technology
 7. International Journal of Energy and Water Resources
- **External Reviewer of The Research Council (TRC) Oman**, for reviewing Research proposals under Block Funding scheme.
- Received **Certificate of Merit** from Middle East Desalination Research Center (MEDRC) Oman for supervising the award winning project (2nd prize in the Omani Young Water researchers Award 2018 under Post Graduate Category).
- Students under my supervision has bagged innovation award from Gulf Petrochemicals and Chemical Association (GPCA) and Young water researcher's award from Middle East Desalination Research Center (MEDRC) and the research outcome have been documented by way of articles in local newspapers.
- Received Letter of Appreciation from GPCA forum for supervising the 2nd prize winner in the 6th GPCA Innovation competition held at Bahrain.
- Developed ABET compliant BEng Chemical Engineering curriculum for the undergraduate program offered at National University - College of Engineering, Oman.
- Member – OAAA – ISA task group Standard 6.7 (Teaching Resources)
- Currently supervising 5 PhD students and 3 MSc Process Engineering students.
- Supervised 15 Masters Students.
- Member of American Institute of Chemical Engineers (AIChE).



Name & Designation

M Achuthan
Assistant Professor, Department of Mechanical and
Industrial Engineering, College of Engineering.

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Academic & Professional Qualification

1991	B Engg in Mechanical Engineering, Madras University, India
1996	M Engg in Refrigeration and Air Conditioning, Bharathiyar University, India
2006	PhD in Mechanical Engineering, Annamalai University, India

PhD/MD Thesis or Specialization

Investigation of Locale based Compact Solar Refrigeration System

Research Interests

Energy, Solar Drying Systems, Solar Refrigeration, Refrigeration and Air conditioning, Heat Transfer.

Key achievements in Teaching and Research

- 25 Years of Teaching experience;
- Two years of Industrial experience;
- Supervisor for more than 350 Undergraduate and Postgraduate project students;
- Published a good number of journal articles;
- Expert teacher in more than 25 mechanical and engineering modules;
- Obtained two TRC funded projects as a faculty mentor;
- Technical Expert for TUV middle east;
- Auditor for ISO QMS for Engineering Institutions;
- Certified trainer for Engineering Teachers.



Name & Designation

Dr. G. R. Rameshkumar
Associate Professor
Mechanical & Industrial Engineering
College of Engineering

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Academic & Professional Qualification

1983	B.E (Mechanical) Mysore University, India.
1995	M. Tech (PEST) Mysore University, India.
2011	PhD Vellore Institute of Technology University (VITU), Vellore, India,

PhD/MD Thesis or Specialization

Coast Down Time as a Diagnostic Parameter in
Condition Monitoring of Industrial Machinery, -
Mechanical Engineering (Condition Monitoring)

Research Interests

Condition Monitoring of Rotating Machinery,
Vibration Analysis,
Computer Aided Design and Manufacturing (CAD/CAM)
Statistical Process Control and Process Capability
Studies,
Mechatronics and Rapid Prototyping
Manufacturing Engineering and Systems,
Artificial Neural Networks (ANNs)

Key achievements in Teaching and Research

37 years of teaching experience both in UG and PG level
in the area of Mechanical and Manufacturing
Engineering.
28 research publications both in International journal
and International conference papers
Supervised 29 PG projects and 67 UG projects at
National University
Obtained 1 NU students grant funded project
(OMR1000)



Name & Designation

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Senior Lecturer
Mechanical & Industrial Engineering
College of Engineering

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Academic & Professional Qualification

1997	BSc., Chaudhary Charan Singh University, India
2000	MSc.in Chemistry, Indian Institute of Technology Roorkee, India
2015	PhD in Chemistry, National Institute of Technology, India

PhD/MD Thesis or Specialization

An investigation on sea water composition and it's corrosion effects on metal

Research Interests

Waste water treatment ,Solid waste management, Desalination, Renewable Energy and Corrosion

Key achievements in Teaching and Research

- 19 years of Teaching Experience both PG and UG level
- 15 publications in journals and Conferences
- Supervision of Final Year Projects at UG and PG level
- 2 funded projects and one consultancy project



Name & Designation

Dr Saravanan A M
Associate Professor
Mechanical & Industrial Engineering
College of Engineering

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		Mobile	+96898897296
Academic & Professional Qualification	2000	B E in Chemical Engineering	
	2001	M E in Chemical Engineering	
	2006	Ph.D in Chemical Engineering	
PhD/MD Thesis or Specialization			
Research Interests		Environmental Engineering, Wastewater treatment, Waste to Energy, Renewable Energy, solar energy, Heat Transfer	
Key achievements in Teaching and Research		• 20 years of teaching and research experience both at UG and PG levels in the area of chemical Engineering & Process plant design. • Authored one text book on Emerging Techniques on Wastewater treatment. • More than 51 publications in both Journals and conferences of National and International level. • Obtained 5 funded research projects (12000 OMR) from TRC and NU research grants, Oman. • Recipient of Certificate of Appreciation from National University (formerly Caledonian College of Engineering), Oman for making an outstanding contribution to learning and teaching. • Recipient of Faculty Enhancement Travel grant award from Society of Petroleum Engineers (SPE) for the Middle East region in 2015. • Recipient of AICTE CAREER AWARD from All India Council for Technical Education (AICTE), GOVT. OF INDIA towards academic and research excellence in March 2008. • Received EWB - INDIAN GREEN AWARD for Innovative Sustainable technologies in 2007.	



Name & Designation

Dr. Lakkimsetty Nageswara Rao
Assistant Professor, Department of Mechanical and
Industrial Engineering, Program Manager MSc Chemical
Process Engineering, College of Engineering

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Academic & Professional Qualification

2000	B.Tech Chemical Engineering, Madras University, India
2002	M.Tech Chemical Engineering, Sri Venkateswara University, Tirupati, Andhra Pradesh, India
2013	Ph.D Chemical Engineering, Sri Venkateswara University, Tirupati, Andhra Pradesh, India.

PhD/MD Thesis or Specialization

Mass Transfer Kinetic And Equilibrium Studies For The Removal Of Chromium And Zinc Using Natural Waste Materials

Research Interests

Separation processes; Wastewater treatment; Nanotechnology applications; Solar energy applications

Key achievements in Teaching and Research

- 19 Years of teaching experience both at PG and UG level in the area of Chemical and Process Engineering
- More than 150 publications in both Journals and conferences/seminars etc.,
- Supervised 22 Masters projects and more than 100 Undergraduate projects
- PhD mentor for One student from VIT University, India
- Assistant Chief In Chief, Research News letter, National University of Science and Technology
- One of UG Project "Fuel Cell Technology to produce Electricity in Oil and Gas Industries" bagged second prize at AIChE Annual Student Conference in Orlando, FL, USA from 8-11 November 2019 and also received Outstanding Research Project Award from National University for the AY 2018-2019.



Name & Designation

Anna Jesil Cheriyan
Asst Professor
Mechanical & Industrial Engineering
College of Engineering

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	Mobile	93804369
Academic & Professional Qualification	2015	PhD in Chemical engineering, National Institute of Technology, Durgapur, India
	1994	Masters in Chemical Engineering, BITS Pilani
	1992	Bachelor in Chemical engineering, BITS Pilani
PhD/MD Thesis or Specialization	Studies on the removal of pollutants from treated municipal wastewater by solar photocatalytic oxidation process	
Research Interests	Wastewater treatment , nanotechnology.	
Key achievements in Teaching and Research	16 years of teaching experience at UG level in the area of Chemical Engineering. 5 years industry experience . 20 publications in journals & conferences. Obtained 1 funded project (2500 OMR) from TRC.	

Name & Designation



Dr. Pradeep kumar Krishnan
Senior Lecturer
Mechanical & Industrial Engineering
College of Engineering

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Academic & Professional Qualification

2000	Diploma in Mechanical Engineering, NPA Centenary Polytechnic College, Affiliated to State Board of Technical Education, Kotagiri, India
2003	B.E. in Mechanical Engineering, CSI College of Engineering, Affiliated to Bharathiar University, Ooty, India
2007	M.E. in Mechanical Engineering, Specialized in Computer Integrated Manufacturing (CIM), SONA College of Technology, Affiliated to Anna University, Salem, India
2019	Ph.D. in Mechanical Engineering, Specialized in production of Metal Matrix Composite (MMC), National Institute of Technology, Durgapur, India

PhD/MD Thesis or Specialization

Investigation into the Effects of Stirrer Design on Particle Distribution during MMC Production

Research Interests

Composite Materials, Metal Matrix Composites (MMC's)
Material Characterization, Nano Composites
Fracture Mechanics, Computational Fluid Dynamics
Computer-Aided Design and Manufacturing
Artificial Intelligence in Manufacturing
Computer Integrated Manufacturing

Key achievements in Teaching and Research

- 16 years of teaching experience both at PG and UG level in the area of Mechanical Engineering.
- More than 20 publications in both journals and conferences.
- Served as a peer reviewer for more than (5) journals
- Actively participated in seven (22) intensive external training programs conducted/sponsored by AICTE approved universities in India.
- Actively participated in twelve (19) external

Faculty/Staff development program
conducted/sponsored by AICTE approved universities in
India.

- Actively participated in sixty (61) external seminars/webinars conducted/sponsored by AICTE approved universities in India.
- Certified Lifetime Professional Member of “Indian Welding Society (IWS)” on 14 September 2020 with Life Membership Number is L01943.
- Certified Professional Member of “Institute for Engineering Research and Publication (IFERP)” “International Association of Engineers ,Institute of Mechanical Engineers (IMECHE)” and Materials Research Society (MRS)



Name & Designation

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Academic & Professional Qualification

1996	B Tech in Chemical Engineering, Dr B A Technological University, Lonere, India
1999	M B A in Marketing Management, Pune University, India
2005	M E in Chemical Engineering, Shivaji University, Kolhapur, India
2014	Ph.D. Chemical Engineering, Dr B A Technological University, Lonere, India

PhD/MD Thesis or Specialization

Hydrodynamic Study of Bubble Columns

Research Interests

Process Design and Simulation, Fluid Dynamics, Optimization studies, Renewable Energy

Key achievements in Teaching and Research

- 23 Years of Teaching and Research Experience both at UG and PG
- 52 Publication in Journals and conferences
- Completed 3 Funded Research Projects
- Supervised 70 UG Projects, 15 PG Projects



Name & Designation

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Academic & Professional Qualification

1998	BE in Mechanical Engineering
2004	, Savitribai Phule Pune University, India ME in Mechanical Engineering (Heat Power),
2019	Savitribai Phule Pune University, India PhD in Mechanical Engineering, , National Institute of Technology (NIT), Durgapur, India

PhD/MD Thesis or Specialization

Research Interests

Heat Transfer systems, Solar thermal energy devices, Applied Thermodynamics, Application of AI in Heat transfer and Renewable systems

Key achievements in Teaching and Research

- 22 years of experience at UG and PG level in Mechanical Engineering.
- More than 20 research publications in peer reviewed journals and conferences.
- Obtained 02 research projects from TRC (Total 20000 OMR) and other funding agency.
- Reviewer for Scopus and Web of Science indexed journals.
- - Invited faculty for Mechanical Engineering courses for students from industries.



Name & Designation

V Suresh Babu
Deputy Head, MIE department.
College of Engineering

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Academic & Professional Qualification

1989	BE in Mechanical Engineering, Bharathiar University, India
2004	ME in Engineering Design, Anna University, India
2018	PhD in Mechanical Engineering, National Institute of Technology, India

PhD/MD Thesis or Specialization

Investigation, Analysis and Optimisation of Non-Symmetric Gear Systems for Performance Enhancement.

Research Interests

Specialized in CAD/CAM/CAE software's and their simulations. Design of Special purpose machines, innovative gear systems for machine applications and Low cost automation solutions, Finite element analysis, CNC programming for multi axis machining, Rapid prototyping and development of Jigs & Fixtures.

Key achievements in Teaching and Research

- 31 years of a blended experience of which 21 years in teaching UG and PG courses in Mechanical Engineering and 11 years in Industry.
- Developed and delivered Course-Based Training Videos for CAD/CAM/CAE modules
- Designed Challenging Coursework for CAD/CAM and Mechanical Engineering Design Modules
- Introduced Autodesk Inventor, Solidworks in the course curriculum
- Guided many Undergraduate project works
- Motivated student project work for applying for Patent in Oman
- Completed Funded projects for Industrial Innovation Center
- Published research articles in National/International Journals, which has received many citations



Name & Designation

Dr. K M Abubacker
SENIOR LECTURER
College of Engineering

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Academic & Professional Qualification

1990	B.E. in Mechanical Engineering, Madurai Kamaraj University
1994	M.E. in Design and Production of Thermal Power Equipment, Bharathidasan University
2006	PhD in Mechanical Engineering, Anna University

PhD/MD Thesis or Specialization

Design Optimization of Final Drive of a Heavy Vehicle using Improved Genetic Algorithms', Design Optimization

Research Interests

Design Optimization, Refrigeration systems

Key achievements in Teaching and Research

28 years of teaching experience in Mechanical Engineering.
Principal Investigator for the project titled 'Water from Air', funded by Industrial Innovation Center (IIC), Sultanate of Oman [Total budget for Phase1: 51800 OMR, Status – Completed]



Name & Designation

Priy Brat Dwivedi
Assistant Professor
College of Engineering

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Academic & Professional Qualification

1998	BSc, Central University of Allahabad, India
2001	MSc Chemistry, Central University of Allahabad, India
2006	PhD, Central University of Allahabad, India

PhD/MD Thesis or Specialization

Kinetic and synthetic studies of organic molecules

Research Interests

Waste water treatment, application of soft computing in chemical processes

Key achievements in Teaching and Research

14 years of teaching and academic research, 6 books coauthored in chemical sciences, 14 research papers published in various national and international journals. One FURAP TRC project worth 2400 OMR completed



Name & Designation

Dr. Syed Murtuza Ali
Assistant Professor
College of Engineering

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Academic & Professional Qualification

2003	B. Sc, Kuvempu University, India
2006	M.Sc, Kuvempu University, India
2012	PhD in Polymer Science, University of Mysore, India

PhD/MD Thesis or Specialization

Research Interests

Polymer science and Technology
Bio-based advance materials
Water Treatment Technologies

Key achievements in Teaching and Research

- More than ten years of teaching and Research experience.
- Involved in funded research projects.
- Member of scientific committee and professional body.
- Publications in International journals of repute including, Materials and Design (Elsevier), Polymer Composites (Wiley Blackwell, USA) Journal of Applied Polymer Science (Wiley Blackwell, USA), Journal of Composite Materials, (Sage Publications, UK), Polymer-Plastics Technology and Engineering (Taylor and Francis, USA), Desalination and Water Treatment (Taylor & Francis), Journal of Thermoplastic Composite Materials, International journal of environmental analytical chemistry (Taylor & Francis) etc.



Name & Designation

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Mechanical & Industrial Engineering
College of Engineering

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Academic & Professional Qualification

2012	PhD in mechanical Engineering from National Institute of Technology, Calicut, India.
1994	M. Tech in Thermal Sciences from University of Calicut
1988	B. Tech in Mechanical Engineering from University of Calicut

PhD/MD Thesis or Specialization

Analysis of Thermophoretic Flow through Parallel Plate Channel

Research Interests

Renewable Energy, Thermal Engineering

Key achievements in Teaching and Research

- Published 23 international journal papers, 02 International conference papers and 02 National conference papers
- 32 years of teaching experience



Name & Designation

Motilal Lakavat
Senior Lecturer

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	Mobile	97480445
Academic & Professional Qualification		
	2002	Bachelor of Technology in Mechanical Engineering from Acharya Nagarjuna University, Guntur, India
	2009	Master of Technology in Industrial Engineering & Management from Jawaharlal Nehru Technological University, Hyderabad, India
		Pursuing PhD - From University of Petroleum and Energy Studies, Dehradun, India.
PhD/MD-Thesis title /specialisation		
		Pursuing PhD - From University of Petroleum and Energy Studies, Dehradun, India.
Research Interests		
		Mechanical Engineering, Industrial Engineering, Material Science, Manufacturing Engineering, Nano materials, Nano Coatings, Corrosion Studies
Key achievements in Teaching and Research		
	☐	A total of 16+ years of experience at graduate and postgraduate level;
	☐	Authored for 6 publication in international and Scopus journals(many more in the process as part of PhD research)
	☐	Supervised 50+ Technical Projects at graduate & Postgraduate students.



Name & Designation

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Senior Lecturer
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Academic & Professional Qualification

PhD in Management
MBA
B Tech Production

PhD/MD Thesis or Specialization

Online shopping: Consumers' attitude towards internet buying in Oman

Research Interests

Structural Equation Modeling

Key achievements in Teaching and Research

Have successfully guided 8 Masters students



Name & Designation

Dr Hafez Al Sadeq
Head, Civil & Environmental Engineering Department,
College of Engineering.

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Academic & Professional Qualification

1985	B.Sc in Civil Engineering, Damascus University, Syria,
1991	M.Sc in Structural Engineering, University of “ Kiril and Metodij”, Macedonia,
1999	Ph.D in Structural Dynamics, University of Tsukuba, Japan,

PhD/MD Thesis or Specialization

Ph.D. dissertation Title: Inelastic Random Earthquake Response and Reliability of Ductile Frames Mixed with Brittle Elements / Specialization: Structural Dynamics
Dynamic behavior of structures, seismic design codes, earthquake upgrading of existing structures, environment and renewable energy

Research Interests

Key achievements in Teaching and Research

- 20 years of teaching experience at both UG & PG levels in the area of structural engineering, structural dynamics and earthquake engineering.
- Co-author of 3 text books in the area of engineering mechanics.
- More than 23 publications in both journals and conferences
- Supervised 15 master dissertations and more than 50 final year projects.
- Conducted several training courses for civil engineers in the area of seismic design of buildings.
- Provided expertise for several consultancy projects.



Name & Designation

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Academic & Professional Qualification

2002	BSc. Civil Engineering, Shiraz University, Iran
2004	MSc. Civil Engineering, Sharif University of Technology, Iran
2010	Ph.D. Civil Engineering, Sharif University of Technology, Iran
2014	Post-Doc, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman

PhD/MD Thesis or Specialization

Development of a new water allocation model at the basin scale considering integration of basin hydrologic and socio-economic properties and their uncertainties/Water Resources Management

Research Interests

Water Resources Management, Floodplain Modeling and Control, Water-Energy-Food Nexus, Reservoir Optimal Operation, Reservoir – River Water Quality Modeling, Groundwater Supply-Demand Management

Key achievements in Teaching and Research

- 14 years of teaching different civil engineering courses
- Published more than 37 research papers
- Supervised/Advised 8 MSc. Students
- Supervised more than 30 undergraduate students projects
- PI or Co-PI in 9 research projects with the total value of 175,000 \$



Name & Designation

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Academic & Professional Qualification		
	1987	Diploma in Civil Engineering, Muthiah Polytechnic, Tamilnadu, India
	1994	B.E in Structural Engineering, Annamalai University, Tamilnadu, India
	2005	M.E in Structural Engineering, Annamalai University,
	2012	PhD in Structural Engineering, Annamalai University, Tamilnadu, India.
PhD/MD Thesis or Specialization		
Flexural and Cyclic Behaviour of RC Beams Retrofitted with Externally Bonded Laminates / Structural Engineering		
Research Interests		
Health Monitoring of Structures, Repair and Rehabilitation, Retrofitting of Structures and Cement less Concrete		
Key achievements in Teaching and Research		
• -13 years of Industrial experience, 20 years of teaching and research experience both at UG and PG in the area of Civil and Structural Engineering. • -Morethan 55 publications in both journals and conferences. • -Supervised one PhD student. • -Authored one text book chapter “Flexural Behavior of RC Beams Strengthened with Carbon Fiber Reinforced Polymer (CFRP) Fabrics” in the area of Emerging Trends in Engineering Research and Technology. • -Obtained one funded research project FURAP from TRC (2400 OMR)		



Name & Designation

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Academic & Professional Qualification

2001	B.Sc. in Biological Sciences, APSU, Rewa, India.
2003	M. Sc. in Environmental Sciences from APSU, Rewa, India
2005	M.Tech. in Energy and Environment Management from RGTU, Bhopal, India
2011	Ph.D. in Environmental Engineering from IIT Roorkee

PhD/MD Thesis or Specialization

Environmental Engineering

Research Interests

Wastewater Treatment and recycling, Membrane filtration, Desalination, Bio-electrochemical systems, Renewable Energy, Waste to Product/Energy, Biofuels, Gas Separation, Circular Economy, Greenhouse gas emission, Climate change and sustainable development.

Key achievements in Teaching and Research

- 15 Years' Experience and Teaching, Research and Consultancy.
- 1 International Patent awarded
- Published more than 50 papers in Journals, conferences, and books.
- Obtained 4 funded research and consultancy projects (Total 24000 OMR) from TRC and Industry.
- Received, "Scientist of the Year" Award from the GISR Foundation and The American College of Dubai, Oct. 2019
- "Certificate of Merit" for supervising award-winning project from Middle East Desalination Research Center (MEDRC), Oman, Sept.2019.
- Received International Postdoctoral Fellowship from Yonsei University, South Korea, 2014.
- Received Brain Korea 21 Plus Fellowship award, 2013.

- Received Brain Korea Plus Fellowship award, 2012.
- Biography included in Marquis Who's Who in the World" 2014 Edition.
- Team member for developing "A new AWWA standard on UV Disinfection of Wastewater Effluent" by American Water Works Association.



Name & Designation

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Academic & Professional Qualification

1986	A.I.C(M.Sc) Institution of Chemists(India) Water & Soils Calcutta.
1998	PhD Utkal University, Bhubaneswar, Chemistry India
2014	M.Tech Jawaharlal Nehru Technological Water & Environmental University, Hyderabad,India Technology

PhD/MD Thesis or Specialization

Environmental Impact Assessment Studies of Industries
in Paradip Area.

Research Interests

Desalination, Water and Wastewater Treatment
Technologies, Green Technologies for Chemical
Industry, Desert Soil Conditioning, Biofuels & Bioenergy.

Key achievements in Teaching and Research

- Developed a new fertilizer “Zincated DAP” and the zinc nutrient release pattern
- was studied at Central Rice Research Institute, Cuttack, India.
- Developed a process technology to recover sulfuric acid from the sulfuric acid plant influent.
- Designed a wastewater treatment process for ICI Paints, Hyderabad, India.
- Recovered food-grade calcium carbonate from the marble industry solid waste.
- Produced red oxide primer from the steel industry solid waste.
- TRC funded two FURAP projects completed.
- Published 22 journal papers in National and International journals.
- Presented 8 papers in different National and International conferences.
- 21 years of industrial experience in process

operation, quality control and pollution control departments.

- 16 years of teaching experience in the areas of environmental engineering and chemistry modules.

**Name & Designation**

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Academic & Professional Qualification

1996	B.E in Civil Engineering, Kuvempu University, Karnataka, India
1999	M.E in Structural Engineering, Annamalai University, India
2018	PhD in Civil Engineering, National Institute of Technology, Durgapur, West Bengal, India

PhD/MD Thesis or Specialization

Characterization and Development of Eco-Friendly concrete using Industrial Waste

Research Interests

Experimental Research on Concrete, Sustainable materials, Concrete Technology

Key achievements in Teaching and Research

- 20 years Teaching Experience in both PG and UG level in the area of Civil Engineering
- 3 years of Industrial Experience in Various construction Projects
- 10 Publications in Journals and conferences
- Supervised UG and PG students

Name & Designation



Dr. N. Aravind
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Academic & Professional Qualification	2016	PhD in Structural Engineering, National Institute of Technology, Durgapur, India
	2002	M.E. in Structural Engineering with Computer Applications, Coimbatore Institute of Technology, Bharathiyar University, Coimbatore, India
	1999	B.E. in Bharath Institute of Science and Technology, Madras University, India
PhD Thesis or Specialization	Modeling and Analysis of Flexural Strength of RC Beams with Corrugated GFRP Composites	
Research Interests	Construction Materials, Design of RC, Steel and Prestressed Concrete Structures	
Key achievements in Teaching and Research	• Eighteen years of experience out of which three years in construction industry & fifteen years in teaching both at PG and UG level in the area of Civil and Structural Engineering. • Authored 2 text books in the area of Civil and Structural Engineering. • 19 publications in both journals and conferences. • Supervising 1 MSc student • Obtained 1 funded research project (total 1500 OMR) from TRC.	



Name & Designation

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Academic & Professional Qualification

1995	B Tech Civil Engineering Calicut University
2007	ME Hydrology and Water Resources Engineering Anna University Chennai
2017	PhD (HSE) University of Petroleum and Energy Studies, Dehradun

PhD/MD Thesis or Specialization

PhD(HSE)

Research Interests

Civil Engineering

Key achievements in Teaching and Research

25 years of teaching experience



Name & Designation

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Academic & Professional Qualification

1991	: B-Tech in Electronics & Communication Engineering, University of Calicut, India
2001	M-Tech in Computer Science & Engineering, University of Calicut, India
2017	PhD, Glasgow Caledonian University, UK.

PhD/MD Thesis or Specialization

Application of Multipath Routing for Congestion Control, Load Balancing and QoS Provisioning in Mobile Ad Hoc Networks

Research Interests

Mobile Ad Hoc Networks, Internet of Things

Key achievements in Teaching and Research

10 Publications, Supervised over 50 student projects, Delivered many staff development workshops in technical and pedagogical areas



Name & Designation

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Academic & Professional Qualification

1993	Bachelor of Electrical Engineering
1997	Master's degree in Electrical Engineering- Power Systems
2003	PhD in Electrical Engineering
1999	Life Member of Indian Society for Technical Education

PhD/MD Thesis or Specialization

PhD Thesis Title: Design and Analysis of Three Phase
Resonant Converter for AC to DC and DC to DC
Applications

Research Interests

Flexible AC Transmission Systems
Power Quality issues and Mitigation
Power System Protection

Key achievements in Teaching and Research

- 25 Years of experience in Undergraduate as well as Postgraduate teaching
- Completed "All India Council for Technical Education" sponsored research project on "Development of Multirate DSP algorithm on fast speed FPGA" as a co-investigator
- Guiding a PhD scholar



Name & Designation

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Academic & Professional Qualification	2001	B.E in Instrumentation and Control Engineering, Madras University, India
	2002	M.E in Process Control and Instrumentation, Annamalai University, India
	2010	PhD in Electrical Engineering , Anna University, India
	2013	CEng, Chartered Engineer IET, UK
PhD/MD Thesis or Specialization	Design and implementation of intrinsic soft computing architecture for fault tolerant control of a nonlinear process / Instrumentation and Control	
Research Interests	Mathematical Modelling, Controller design, Robotics, Machine learning, Biomedical-Image processing & Renewable energy	
Key achievements in Teaching and Research	• 19 Years of Teaching experience at UG and PG level in the area of Instrumentation Engineering, Electronics Engineering and Electrical Engineering • More than 97 publications in both Journals, conferences and Book chapters • Supervised 6 PhD students and more than 10 Masters students • Editor/reviewer for more than 10 Journals/conferences • Received 2 Patents and best best project award from IEEE • Obtained funding and grant from NU,TRC, AICTE,DRDO and others for projects and other research activities	



Name & Designation

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Academic & Professional Qualification	2014	PhD in Computer Science and Engineering, Pondicherry University
	2006	ME in Computer Science and Engineering, Anna University
PhD/MD Thesis or Specialization	NETWORK SECURITY-DISTRIBUTED REPUTATION MECHANISMS FOR HANDLING BYZANTINE ATTACKS IN MOBILE AD HOC NETWORKS	
Research Interests	Network Security, IoT, AI	
Key achievements in Teaching and Research	"23 years of teaching experience both at PG and UG level in the area of Computer Engineering. Supervised more than 75 technical projects at PG and UG level. 26 publications in both journals and conferences. Obtained 2 funded research and consultancy projects from TRC and Co-Investigator in one of the funded research project."	



Name & Designation

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Academic & Professional Qualification

1996	B.E Electrical Engineering Bangalore University, India
2000	M.E Power & Energy System Bangalore University, India
2011	Ph.D (Electrical and Electronic Engineering) Jawaharlal Nehru Technological University, India

PhD/MD Thesis or Specialization

Power and Energy Analysis of power system network

Research Interests

Power System, High Voltage, Energy Audit, Condition Monitoring, Power System protection, Renewable Energy.

Key achievements in Teaching and Research

Teaching both BEngg and MSc and good feedback from the students and conduct various expert IEEE talks, participate in the conference as a speaker on renewable energy and condition monitoring and patent on High Voltage products and publication of research paper in the power system and energy audit. Book Editor for the title " Re-invention of Health Applications with IOT challenges and solutions CRC press"



Name & Designation

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Academic & Professional Qualification

1995 BE in Electronics and Communication Engineering, Madras University, India
2004 ME in Applied Electronics, Anna University, India
2014 PhD in Electronics and Communication Engineering, NIT, Durgapur, India.

PhD/MD Thesis or Specialization

Antenna arrays

Research Interests

Antenna arrays, Renewable energy

Key achievements in Teaching and Research

20 years of Experience in teaching related to the areas in Electronics and Communication Engineering
15 Publications
Supervised a FURAP Project



Name & Designation

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Academic & Professional Qualification	2002	B Eng in Electrical and Electronic Engineering, University of Port Harcourt, Nigeria
	2006	M Eng in Power Systems, University of Port Harcourt, Nigeria
	2012	PhD in Renewable Energy Systems, Kitami Institute of Technology (KIT), Hokkaido, Japan
	2013	Post Doctoral, Massachusetts Institute of Technology (MIT), Cambridge, Boston, USA
PhD/MD Thesis or Specialization	Stabilization of Grid Connected Wind Farms	
Research Interests	Renewable Energy, Wind Energy, Solar Energy, Biomass, Bio-hydrogen, Hydrogen gas production, Fuel cells, Hydro power, Artificial Intelligence, Transfer Learning.	
Key achievements in Teaching and Research	• 17 Years of teaching experience both at UG and PG level in the area of Electrical and Electronic Engineering, Power Systems and Renewable Energy • Authored 6 text books in the area of renewable energy • Edited 4 books in the area of renewable energy • More than 108 publications in both Journals and conferences • Supervised 3 PhD students • Top 1% Peer Review Award 2018 and 2019 • Obtained 2 funded research projects	



Name & Designation

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Academic & Professional Qualification	1997	BSc in Electronic and Computers Engineering
	2004	MSc in Computer System Engineering
	2008	PhD in Electrical, Electronics and Systems Engineering
PhD/MD Thesis or Specialization	Enhanced Double Weight Code for Spectral Amplitude Coding Optical Code Division Multiple Access (OCDMA) Systems: Design and Analysis	
Research Interests	Communication Engineering Optical communication Digital Image Processing	
Key achievements in Teaching and Research	•	16 years of teaching and research activities in Computer and Electronics engineering.
	•	Two chapter book.
	•	76 publication in both journals and conferences.
	•	Supervised 3 PHd students.
	•	Supervised 3 MSc students.
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Name & Designation

Prof Syed Mohd Rizwan
Professor and Head of Applied Mathematics and Science
College of Engineering

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Academic & Professional Qualification	1985	B.Sc (Hons) in Mathematics, AMU, Aligarh, India
	1987	M.Sc in Statistics, AMU, Aligarh, India
	1990	M.Phil in Statistics, AMU, Aligarh, India
	1996	PhD in Statistics, MD University, India
PhD/MD Thesis or Specialization	Reliability Modeling (Applied Probability)	
Research Interests	Reliability Modeling and Analysis of Systems, Applied Probability, Stochastic Processes	
Key achievements in Teaching and Research	• 28 Years of Teaching Experience at PG / UG level in Applied Mathematics, • Probability and Statistics, Reliability • Supervised 5 PhD s and 15 Masters • 107 Research Papers Published / Presented in Journals / Conferences • 4 Funded Research Projects as PI / Co-PI (Total 145,141 OMR) • Recipient of International Awards as Distinguished Scientist, Best Professor in • Statistics, Research Excellence, Outstanding Scientist in 2017, 2018, 2019, 2021 • Delivered Many Keynotes / Invited Talks in International Conferences • Chief Editor/Editorial Board Member of International Journals	

**Name & Designation**

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Academic & Professional Qualification

Ph.D Mathematics

PhD/MD Thesis or Specialization

Some Studies In The Theory Of Analytic Functions
Associated With A Family Of Linear Operators.

Research Interests

Geometric Function Theory-Complex Analysis

Key achievements in Teaching and Research

- 16 Years of Teaching Experience
- Published 34 papers in well reviewed journals



Name & Designation

Dr Yaqoob Mubarak Mohammed Al Rahbi
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Academic & Professional Qualification

2004	BSc - Sultan Qaboos University, Oman
2008	MSc - Sultan Qaboos University, Oman
2020	PhD - Glasgow Caledonian University, UK

PhD/MD Thesis or Specialization

Probabilistic Modelling and Reliability Analysis of Plant System in the Industry

Research Interests

Reliability and Availability Analysis Modeling
Prey-Predator Interaction with Switching Strategy on Modeling and Simulations

Key achievements in Teaching and Research

- Total of 22 Years of Experience (Teaching & Administration).
- Authored 1 book in Mathematical Mental Calculations.
- Participated in Scottish Evaluation Authority Assessment in MOE Project.
- Prepared teacher training programs for supervisors and teachers involved in Basic Education reform.
- Provided training sessions to headmasters in preparation for the change to The Basic Education.
- Interviewed and recommended many candidates for positions of Senior Supervisor (Mathematics), Supervisor (Mathematics), Senior Teacher (Mathematics).
- Reviewing more than 6 Education and Scientific Master Studies.
- An External Examiner of one MSc thesis.
- Attended more than 20 Conferences and Workshops



Name & Designation

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Academic & Professional Qualification	1987	B Sc in Mathematics, Bharathiar University, Coimbatore, Tamilnadu, India
	1989	M Sc in Mathematics, Bharathiar University, Coimbatore, Tamilnadu, India
	2002	M Phil in Mathematics, Bharathiar university, Coimbatore, Tamilnadu, India
	2011	PhD in Mathematics, Bharathiar University, Coimbatore, Tamilnadu, India
PhD/MD Thesis or Specialization	Studies on Existence Results for Stochastic Impulsive Differential Systems	
Research Interests	Stochastic Analysis and Applications, Reliability Analysis	
Key achievements in Teaching and Research	• 25 years of teaching experience in both Undergraduate and Postgraduate levels in the area of Engineering Mathematics, Applied Mathematics and Probability and Statistics. • 11 Journal publications • 5 PhD thesis evaluation • Editorial Board member of 2 Journals • Reviewer of research papers in an Elsevier journal and few more journals	



Name & Designation

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Academic & Professional Qualification	1984	B Sc in Mathematics, University of Madras, India
	1987	M Sc in Mathematics, University of Madras, India
	1989	, M Phil in Mathematics, Bharathi Dasan University, India
	1991	B Ed in Mathematics, University of Madras, India
	2014	PhD in Mathematics, National Institute of Technology, Durgapur, India.
PhD/MD Thesis or Specialization	Reliability Modelling and Analysis of a Desalination Plant	
Research Interests	Reliability Modelling and Analysis of a Desalination Plant	
Key achievements in Teaching and Research	30 years of Teaching Experience at both UG & PG levels in Mathematics.	
	Research Scholar for the Project funded by MEDRC, Oman.	
	Mentor - URG Project funded by TRC, Oman.	



Name & Designation

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Academic & Professional Qualification

PhD in Applied Mathematics

PhD/MD Thesis or Specialization

Solutions of some mathematical models in bio-fluid mechanics and study its applications

Research Interests

Biofluid mechanics, Mathematical Modeling, Heat transfer, Applied Mathematics, Boundary layer problems, Peristaltic transportation

Key achievements in Teaching and Research

13 years of teaching experience in the college of engineering,
More than 12 publications in both Journals and conferences



Name & Designation

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Academic & Professional Qualification

1993	M.Sc. Mathematics, University of Peshawar, Pakistan
2009	M.Phil. Mathematics, Kohat University of Science & Technology, Pakistan
2013	Ph.D. Numerical Analysis, Islamia College University, Peshawar

PhD/MD Thesis or Specialization

Analysis and Application of Optimal Homotopy Asymptotic Method and the use of Daftardar-Jaffery Polynomials

Research Interests

Numerical Analysis-Series solution to functional equations. Special area of interest is: Adomian decomposition method, differential transform method, New iterative method, finite difference method, perturbation method, homotopy perturbation method, homotopy analysis method, optimal homotopy asymptotic method, optimal homotopy asymptotic method with Daftardar_jaffery polynomials, modified optimal homotopy asymptotic method

Key achievements in Teaching and Research

25 years of teaching experience
17 publications



Name & Designation

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Academic & Professional Qualification

1979	MA : in Education, University of Himachal Pradesh, Shimla, India.
1981	MPhil: in Education, University of Himachal Pradesh, Shimla, India
1990	Ph.D.: in Education, University of Himachal Pradesh, Shimla, India

PhD/MD Thesis or Specialization

A Study of Value Patterns and Personality Variables of students studying in three Institutions of India.

Research Interests

Educational Psychology, Educational Philosophy, Educational Sociology, Professional Development and Entrepreneurship

Key achievements in Teaching and Research

- 38 years of experience in teaching, both PG and UG Level in Education and Professional Development.
- Authored a Book Chapter in the area of Entrepreneurship
- 10 Publications both in Journals and Conferences

End