

Name: Amit Sheth

Designation: Professor of Practice, Plaksha University

Area of Expertise:

Inclusive Design & Design Thinking

Research Interests:

>Design Thinking

>Universal Design

>Wayfinding and Signage Design

Education:

>M.Phil. in Industrial Design Inclusive Design, IIT Bombay

Past Associations:

>Dean of Advancement and Professor, Anant National University, Ahmedabad

>Founder Head and Professor of the Department of Design, Nirma University, Ahmedabad

>Adjunct Professor, IIT Gandhinagar

>Adjunct Professor, National Rail & Transportation Institute, Vadodara

Name: Dr. Aditya Malik

Designation: Professor, Plaksha University

Area of Expertise:

Anthropology, History, Religious Studies, Philosophy

Research Interests:

>Anthropology, Religion and History

>Narrative, Performance and Ritual

>Oral Traditions and Folk Culture

>Religion, Justice and Law

Education:

>D.Phil. in History of Religions of South Asia, Indian History and Sanskrit, Heidelberg University, Germany

Past Associations:

>Vice-Chancellor, K.R. Mangalam University

>Founding Professor and Dean, School of Historical Studies, Nalanda University

>Professor, School of Social and Political Sciences, University of Canterbury

Name: Dr. Amrik Sen

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Applied Mathematics

Research Interests:

>Fluid mechanics and turbulence

>Perturbation theory and asymptotic methods to solve PDEs

>High performance computing

>Mathematical modeling of complex physical systems

Education:

>Ph.D. in Applied Mathematics, University of Colorado, Boulder, USA

Past Associations:

>Assistant Professor, School of Mathematics, Thapar Institute of Engineering and Technology

>Post Doctoral Scientist, TIFR Center for Interdisciplinary Sciences

>Post Doctoral Scientist, California State University

Name: Dr. Amruta R Behera

Designation: Assistant Professor, Plaksha University

Area of Expertise:

MEMS Technology, IOT systems

Education:

>Ph.D. in Nano Science and Engineering, Indian Institute of Science, Bangalore

Name: Dr. Anupam Sobti

Designation: Assistant Professor, Plaksha University

Area of expertise:

- Applied Machine Learning
- Embedded Systems/IoT

Research Interests:

- Low-cost health diagnostics
- Smart Agriculture
- Sustainability Sensing for buildings, rivers, forests, etc.

Education:

-:

- MTech, Microelectronics, BITS Pilani
- BTech, ECE, NSUT Delhi

Past associations:

- Postdoc Researcher at Microsoft Research India
- PT (Product and Test) Engineer, Qualcomm India

Name: Dr. Brainerd Prince

Designation: Director, Centre for Thinking, Language and Communication

Designation: Associate Professor of Practice, Plaksha University

Area of Expertise:

- >Dialogical Hermeneutics
- >Philosophy
- >Religious Studies
- >Philosophy of Language

Research Interests:

- >Phenomenological Hermeneutics
- >Philosophy and Practice of Education and Research
- >Academic Study of Hinduism
- >Philosophy of Religion

Education:

- >PhD in Hermeneutics of Tradition and Aurobindo's Integral Philosophy, OCMS, Oxford – Middlesex University, London

Past Associations:

- >Research Tutor, Oxford Centre for Mission Studies, Oxford
- >Research Fellow, Oxford Centre for Hindu Studies, Oxford
- >Research Dean, Ecole Hoteliere at Lavasa, Lavasa

Name: Dr. Chaitanya Lekshmi Indira

Designation: Associate Professor, Plaksha University

Area of Expertise:

Functional Nanomaterials and Electron transport Analysis

Research interests:

- >Nanostructured materials & composites
- >Structure-property correlations
- >Electrochemical & optical sensing
- >Biosensors
- >Photo-electro(catalysis)
- >Gas conversion reactions
- >Water security
- >Point-of-care health
- >Nanoelectronics
- >Magneto-dielectrics

Education:

MS and PhD in Chemistry, Indian Institute of Science, Bengaluru

Past Associations:

- >Visiting Scientist, FBML, Massachusetts Institute of Technology, USA
- >Postdoctoral Researcher, CNRS-National Nanotechnology Laboratory, Italy
- >Assistant Professor, Amrita Institute of Medical Science & Research, Kochi
- >Associate Professor, CMR Institute of Technology, Bengaluru

Name: Dr. Dhiraj Sinha

Designation: Assistant Professor, Plaksha University

Research Interests:

- >Microelectromechanical systems (micromachines, sensors and actuators)
- >Ultra-small antenna design for cellular technologies
- >Thermodynamics and electromagnetic field effects in microscopic systems with low dimensions

Education:

- >Ph.D. in Electrical Engineering, University of Cambridge, UK

Past Associations:

- >Postdoctoral Research Associate, Massachusetts Institute of Technology
- >Research Fellow, Singapore University of Technology and Design
- >CTO of Smantenna Ltd

Name: Dr. K. Gopinath

Designation: Professor, Plaksha University

Area of Expertise:

Systems research: OS, security

Research Interests:

- >Operating Systems
- >Cybersecurity and Privacy
- >Applied AI (for computer systems and for societal good)

Education:

- >Ph.D., Stanford University, USA

Past Associations:

- >Professor, Computer Science & Automation, Indian Institute of Science, Bangalore (till July 31, 2021)

Name: Dr. Kriti Khanna

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Financial Development, Macroeconomics

Research Interests:

- >Macroeconomics
- >Entrepreneurship
- >Development Economics

Education:

- >Ph.D. in Economics, University of Houston, USA

Past Associations:

- >Lecturer, University of Houston

Name: Dr. Manoj Kannan

Designation: Associate Dean, Student Life, Plaksha University

Designation: Associate Professor, Plaksha University

Area of Expertise:

Discipline-based education research

Research Interests:

- >Discipline-based education research
- >Fink's Taxonomy of Significant Learning
- >Epigenetics

Education:

>Ph.D. in Genetics, BITS Pilani

Past Associations:

>Assistant Professor, BITS Pilani

>Doctoral Researcher, National Cancer Institute, Frederick

Name: Dr. Monika Sharma

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Computational biophysics, bioinformatics

Research Interests:

>Molecular Simulations

>Essential dynamics

>Free energy calculations

>Membrane transporters Modeling

>Computer Assisted Drug Designing

>Computational Biology/ Chemistry

>Bioinformatics

>Network Analysis

Education:

>Ph.D. in Computational Natural Sciences, IIT Hyderabad, India

Past Associations:

>SERB Research Scientist and INSPIRE Faculty, Chemical Science, IISER Mohali

>Postdoctoral Fellow, NINDS, National Institute of Health (NIH), Bethesda

>Postdoctoral Fellow, Biochemistry and Molecular Biology, Michigan State University

>DAAD Fellow, Max Planck Institute of Biophysical Chemistry

Name: Dr. Nandini Kannan

Designation: Dean of Academics & Director of Data Science Institute, Plaksha University

Designation: Professor, Plaksha University

Area of Expertise:

>Statistical Signal Processing

>Reliability

Research Interests:

>Survival Analysis and Competing Risk models

>Direction of Arrival Estimation

>Sampling

>Multivariate Analysis

Education:

>Ph.D. in Statistics, The Pennsylvania State University, PA, USA

Past Associations:

>Executive Director, Indo U.S. Science and Technology Forum, New Delhi (2019-2022)

>Program Director, National Science Foundation (2014-2022)

>Professor, University of Texas at San Antonio

Name: Dr. Navjot Kaur

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Point-of-care diagnostics, Sustainability, Stakeholder Engagement and Public Policy

Research Interests:

• Sustainable agriculture

• Responsible research and innovation

• Antimicrobial resistance

• STEM education research

Education:

PhD in Chemical Engineering, Indian Institute of Science, Bangalore

Past Associations:

- Research Scientist, Dr. Reddy's Lab, Hyderabad, India
- Science Conversationalist at The Pseudo Doctor

Name: Dr. Nitin Upadhyaya

Designation: Assistant Professor, Plaksha University

Area of expertise:

>Physics

Research Interests:

>Condensed matter

>Mathematical models of learning and decision making

Education:

>PhD in Physics, Lorentz Institute for Theoretical Physics, University of Leiden, Netherlands

Past Associations:

>Postdoctoral Research Staff, University of Chicago, USA

>Faculty, FLAME University, Pune, India

>Lecturer of Applied Math and Postdoctoral Fellow, Harvard University, USA

Name: Dr. Prashanth Suresh Kumar

Designation: Associate Director, PhD Program, Plaksha University

Area of Expertise:

Water Technology

Research Interests:

>Wastewater treatment

>Wastewater effluent polishing

>Reversible adsorption

>Nutrient recovery from wastewater

>Circular economy in water sector

Education:

>Ph.D. in Environmental Biotechnology, Delft University of Technology, The Netherlands

Past Associations:

>Project Manager Educations Program, Wetsus, European Centre of Excellence for Sustainable Water Technology, The Netherlands

>Research Associate, Department of Biotechnology, Lund University, Sweden

Name: Dr. Rucha Joshi

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Engineering Education, Tissue Engineering, Drug Delivery

Research Interests:

>Engineering education

>Soft tissue biograft design

>Drug Delivery

>Biomaterials

>Regenerative medicine

Education:

>Ph.D. in Biomedical Engineering, Purdue University, USA

Past Associations:

>Assistant Professor of Teaching, Biomedical Engineering, UC Davis

>Post-Doctoral Researcher, Biomedical Engineering, Purdue University

Name: Dr. Rudra Pratap

Designation: Founding Vice Chancellor, Plaksha University

Area of Expertise:

MEMS Technology, Mechanics and Mechanobiology

Research Interests:

- >Microelectromechanical Systems
- > Nanoelectromechanical systems
- >Vibroacoustics
- >Bioacoustics
- >Mechano-biology
- >Computational mechanic

Education:

- >Ph.D. in Theoretical and Applied Mechanics, Cornell University

Past Associations:

- >Deputy Director, IISc Bangalore
- >Founding Chairperson & Professor, Centre for Nano Science and Engineering (CeNSE), IISc Bangalore
- >Lecturer, Cornell University, USA, 1994 – 1996

Name: Dr. Saikat Chakraborty

Designation: Faculty Advisor, Global Engagements (USA), Plaksha University

Designation: Professor, Plaksha University

Area of Expertise:

Bioenergy, Computational Bioengineering

Research Interests:

- >Algal Biotechnology
- >Lignocellulosic Biofuels
- >Sustainable Biofactories
- >Computational Multiscale Bioengineering

Education:

- >Ph.D. in Chemical Engineering, University of Houston, USA

Past Associations:

- >Associate Professor, Indian Institute of Technology Kharagpur
- >Post-doctoral Fellow, University of Texas Medical School, Houston, USA

Name: Dr. Sandeep Manjanna

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Robotics and Applied Machine Learning

Research Interests:

- >Robotics for Marine and Agriculture
- >Path Planning
- >Reinforcement Learning
- >Adaptive Sampling for Environmental Monitoring

Education:

Ph.D in Computer Science, McGill University, Canada

Past Associations:

Postdoctoral Researcher at GRASP Labs, University of Pennsylvania, USA.

Name: Dr. Sanjay Kumar Bose

Designation: Professor, Plaksha University

Area of Expertise:

Computer Networks & Queueing Systems

Research Interests:

- >Modeling, Simulation and Analysis of Communication Networks
- >Performance of WDM Systems
- >ATM Networks
- >Queueing Networks
- >Network Applications

- >Multiple Access Schemes
- >Mobile Satellite Systems
- >Communication & Queueing Related Software Development

Education:

>Ph.D. in Electrical Engineering, Stony Brook University, NY, USA

Past Associations:

- >Professor, Electrical Engineering, IIT Guwahati
- >Professor, Electrical Engineering, IIT Kanpur
- >Associate Professor, School of Electrical and Electronic Engineering, NTU Singapore

Name: Dr. Saumya Jetley

Designation: Associate Director of Academics, Technology Leaders Program

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Computer Vision, Applied Machine Learning, Data Analytics

Research Interests:

- >Computer Vision
- >Applied Machine Learning (incl. Robust/Safe AI)
- >Causal Reasoning
- >AI for Social Good

Education:

>Ph.D. in Computer Vision and Machine Learning Algorithms, University of Oxford

Past Associations:

- >Postdoctoral Research Scientist, TAU Team, INRIA - Paris (Saclay)
- >Visiting Research Scientist, Five AI Limited

Name: Dr. Shashank Tamaskar

Designation: Associate Professor, Plaksha University

Area of Expertise:

Robotic autonomy, Vision based robot navigation

Research Interests:

- >Multi-Agent Robotic Path Planning & Control
- >Flexible Robotic Control & Manipulation

Education:

>Ph.D. in Aeronautics and Astronautics, Purdue University, USA

Past Associations:

- >R&D Research Scientist & Project Manager, Siemens Technology, USA
- >Associate Research Scientist, School of Aeronautics and Astronautics, Purdue University, USA
- >Technical Specialist, Advanced Dynamics and Control Systems, Cummins Inc.

Name: Dr. Shashikant Pawar

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Fluid Dynamics and Heat Transfer.

Research Interests:

- >Buoyancy driven (environmental) turbulent flows
- >Fluid dynamics and heat transfer of Bio-inspired systems
- >Light propagation in turbulent media
- >Engineering Education

Education:

PhD in Mechanical Engineering, Indian Institute of Science, Bangalore.

Past Associations:

- >Faculty member, Department of Mechanical Engineering, Don Bosco Institute of Technology, Mumbai.
- >Research Associate, Fluid Mechanics Laboratory, IISc, Bangalore.
- >Executive Engineer, Heavy Engineering Division, Larsen & Toubro Ltd., Mumbai.

Name: Dr. Srikant Srinivasan

Designation: Associate Dean, Academics, Plaksha University

Area of Expertise:

- >Nanoelectronics

- >IoT systems

Research Interests:

- >Precision agriculture

- >Computer vision

- >Machine learning

- >Beyond-CMOS devices

Education:

- >Ph.D. in Electrical & Computer Engineering, Purdue University, USA

- >M.S. in Electrical & Computer Engineering, University of Cincinnati, USA

- >BTech in Electronics & Communications Engineering, VNR-VJIEET, JNTU - Hyderabad, India

Past Associations:

- >Associate Dean (courses), Indian Institute of Technology Mandi

- >Associate Professor, Indian Institute of Technology Mandi

- >Assistant Professor, Indian Institute of Technology Mandi

- >Adjunct Assistant Professor, Plant Sciences Institute, Iowa State University, USA

- >Post-doctoral Fellow/ Data Scientist, Iowa State University, USA

Name: Dr. Subhasis Ray

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Computational and experimental Neuroscience

Research Interests:

- >Chemical senses and sensory-guided behavior

- >Neurophysiology and neural networks in animal brains

- >Computational modeling of biological neural networks

- > Tools for simulation and data analysis in Biology

Education:

- >Ph.D. in Biology, NCBS, TIFR, Bangalore, India

- >B.E. in Computer Science and Engineering, Jadavpur University, Kolkata, India

Past Associations:

- >Postdoctoral Fellow, NICHD, National Institutes of Health (NIH), Bethesda, USA

- > Software Engineer, IBM India Pvt. Ltd., Kolkata, India

Name: Dr. Sunita Chauhan

Designation: Faculty Advisor, Global Engagements (Europe & APAC), Plaksha University

Designation:

Area of Expertise:

Medical and Surgical Robotics, Robotics and Automated Systems, Cyber Physical Systems

Research Interests:

- >Medical/Surgical Robotics, Biomechatronics

- >Robotics, Mechatronics and AI - in Structural Healthcare, Agriculture, Smart Buildings, Sports Engineering etc.

- >Ultrasound - Imaging & Diagnostics (Medical/Industrial), Therapeutics and Surgical Ultrasound

- >Flexible and Soft Robotics - configuration system development for applications in Industrial and Healthcare systems

- >Intelligent/Smart Systems - Sensing, Monitoring, Manufacturing

Education:

- >Ph.D. and DIC (Medical Robotics) from Dept. of Mechanical Engineering, Imperial College of Science, Technology and Medicine, London, United Kingdom



Past Associations:

- >Director, Robotics and Mechatronics Engineering, Monash University, Australia
- >Professor, Dept. of Mechanical and Aerospace Engineering, Monash University, Australia
- >Assoc. professor (Mechatronics & Design); Asst. prof. (Systems & Eng. Management), School of Mechanical and Aerospace Engineering, NTU, Singapore
- >Academic, Visiting Fellowships/Roles, Newcastle University, Newcastle upon Tyne, UK, Klinikum Mannheim, Karl Ruprecht Uni. of Heidelberg, Germany, Kings College, London, NTU, Singapore
- >Director R&D, Robotics and High Tech Instruments (P) Ltd. Delhi.
- >SRA (CSIR), IIT Delhi, Scientist Fellow, CSIO, RA, National Physical Laboratory, Various other Research and visiting positions, India

Name: Dr. Swagata Halder

Area of Expertise:

- >DNA repair and DNA damage response

Research Interests:

- >DNA-protein crosslinks repair
- >Ubiquitin proteasome system in DNA damage response
- >Replication fork reversal and protection

Education:

- >DPhil, University of Oxford, Oxford, UK

Past Associations:

- >Institute of Veterinary Pharmacology and Toxicology, University of Zurich, Zurich, Switzerland
- >Post-doctoral Fellow, University of Oxford, Oxford, UK
- >Scientist, Institute for Research in Biomedicine (IRB), Bellinzona, Switzerland

Name: Dr. Tanmoy Majilla

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Financial Economics, Labor Economics, Macroeconomics, Management

Research Interests:

- >Financial Economics
- >Macrofinance
- >Financial Disclosure and Reporting
- >Labor Economics
- >Education
- >Development Economics

>Quantitative Marketing

>Strategic Management

Education:

- >Ph.D. in Economics, Erasmus University Rotterdam

Past Association:

- >Assistant Professor of Economics (Business Environment), Indian Institute of Management Lucknow

Name: Dr. Tapas Pandit

Designation: Assistant Professor, Plaksha University

Area of Expertise::

- >Quantum Computing and Cryptography

Research Interests::

- >Post-Quantum Cryptography
- >Signatures in Multivariate setting
- >Lattice-Based Signatures and Key-Exchange protocols
- >Quantum Cryptanalysis
- >Blockchain
- >Online Voting Scheme

Education::

>M.Tech and Ph.D. in Computer Science, ISI, Kolkata, India

Past Associations::

>Assistant Professor, SRM University, AP

>Postdoctoral Researcher, IISc Bangalore

>Assistant Professor, IIIT Sri City, Chittoor

Name: Dr. Vishal Garg

Designation: Dean of Research, Plaksha University

Designation: Director, Indorama Ventures Center for Clean Energy

Designation: Professor, Plaksha University

Designation:

Area of Expertise:

Energy Efficient and Smart Buildings

Research Interests:

>Building Energy Informatics

>Smart Energy Homes

>Cool Surfaces for Urban Heat Island Mitigation

>Decarbonising Residential AC Energy Consumption

Education:

>PhD from the Centre for Energy Studies, IIT Delhi

Past Associations:

>Founder Head and Professor, Centre for IT in Building Science, IIIT Hyderabad

Name: Dr. Vivek Deulkar

Designation: Assistant Professor, Plaksha University

Area of Expertise:

Sustainable carbon efficient energy systems, smart grids, battery storage management, renewable energy and its reliable integration

Research Interests:

>Managing renewable uncertainties via battery storage systems

>Stochastic modeling

>Reinforcement learning

>Machine learning

>Control & Optimization

Education:

>Ph.D., Electrical Engineering, IIT Bombay

>M.Tech. Control and Computing, IIT Bombay

>B.Tech. Electronics and Communication, VNIT Nagpur

Past Associations:

>Postdoctoral research associate, College of Information and Computer Sciences (CICS), University of Massachusetts (UMass), Amherst

>Manager, Engineering Research Center, Tata Motors Ltd.