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PLAKSHA UNIVERSITY

Situated at the foothills of the Himalayas in Chandigarh tricity, India, Plaksha University is a collective philanthropic initiative by a global community of 100+reputed entrepreneurs, business leaders and academicians to reimagine technology education and research.

A greenfield university, Plaksha is developing a transformational model of engineering education and research that integrates technology, design, entrepreneurship, and liberal arts. Plaksha's mission is guided by an eminent Academic Advisory Board of distinguished leaders at top institutions and is anchored around three pillars:

Reimagining technology education
Focused on interdisciplinary technology curriculum,

integrating liberal arts and design with experiential learning

Enabling industry innovation & start-ups
Instilling entrepreneurial mindset, mentoring start-ups

Interdisciplinary research to address

Grand Challenges

and creating an innovation ecosystem

Thematic research centers with industry and government collaboration, **solving grand challenges** in India and the world

ACADEMIC PARTNERSHIP

Our partners share our vision - to reimagine engineering education and research. Together, we work closely on curriculum design, delivery, faculty and student exchanges and collaborative research.







SRI International





ACADEMIC PROGRAMS AT PLAKSHA

01 UNDERGRADUATE PROGRAM

Four Interdisciplinary undergraduate majors launched in 2021

Computer Science & Artificial Intelligence

Computer Science core + elements of AI, machine learning, natural intelligence, human-computer interfaces, Natural Language Processing

Robotics & Cyber-Physical Systems

Electrical/computer engineering core + elements of robotics, autonomous systems, internet of things, sensors, cyber-physical systems

Biological Systems Engineering

Engineering principles + power of biology to improve human health and planetary health. Latest advances in computing sciences combined with latest advances in life sciences

Data Science, Economics & Business

Data science core interweaved with business, and economics. Paths in digital transformation, financial engineering, policy, and development



02 TECHNOLOGY LEADERS PROGRAM

Co-designed and co-delivered with SCET, UC Berkeley

- 1-year, fully residential postgraduate program that interweaves technology core with real-world applications
- Coursework includes 4 buckets: a) Al and ML (specialization),
 b) technical and social context, c) entrepreneurial and industry experiences, d) self and leadershi

03 PH.D. PROGRAM

- Research emphasis on grand challenges including health, agriculture, water security, clean energy, that cut across several disciplines
- 1 full year of international fellowship at partnering institutions to undertake research

04 YOUNG TECHNOLOGY SCHOLARS PROGRAM

A two-week intensive residential summer program for students of grade 9th to 12th

 Students are exposed to real-world engineering and problem-solving and learn how to leverage technology to solve complex problems through hands-on learning and interdisciplinary coursework



ACADEMIC ADVISORY BOARD •

Plaksha's academic programs are designed by eminent academicians and thought leaders across the world



Dr. Abhijit Banerjee
Nobel Laureate
Professor of Economics,
MIT, Co-founder, J-PAL



Dr. Anant Agarwal CEO, edX Professor of EECS, MIT



Dr. Arvind Raman

Executive Associate Dean
for Faculty, College of
Engineering,
Purdue University



Dr. Ashish Nanda
Former Director, IIM Senior
Lecturer,
Harvard Business School



Dr. B N Jain
Former Vice Chancellor,
BITS Pilani
Former Deputy Director,
IIT Delhi



Dr. Howard GriffithsProfessor, Plant Ecology, **University of Cambridge**



Dr. Frances Ligler
Professor at NC
State and,
UNC Chapel Hill



Dr. James Holloway
Former Vice Provost for
Global Engagement and
Interdisciplinary Academic
Affairs,
University of Michigan



Dr. Jennifer Cochran
Shriram Chair of the
Department of
Bioengineering,
Stanford University



Dr. Julia RossDean of Engineering **Virginia Tech**



Dr. Kaushik Basu
Professor of Economics
and Carl Marks Professor of
International Studies,
Cornell University



Dr. Krishna PalepuSenior Advisor to President, **Harvard University**



Dr. Pankaj JaloteFounding Director,
IIIT Delhi



Dr. Rajesh Gupta
Co-Director, Halıcıoğlu Data
Science Institute,
UC San Diego



Dr. Sanjay E. SarmaFred Fort Flowers and Daniel
Fort Flowers Professor of
Mechanical Engineering, **MIT**



Dr. Shankar Sastry
Former Dean of
Engineering,
UC Berkeley



Dr. Sharad Malik Chair, Department of Electrical Engineering, Princeton University



Dr. Sriram Rajamani
Distinguished Scientist
Managing Director,
Microsoft Research India



Dr. Vijay Kumar Professor, Nemirovsky Family Dean, University of Pennsylvania



Dr. Yannis C. Yortsos

Dean, Viterbi School of
Engineering,
University of Southern
California

ADDRESSING GRAND CHALLENGES THROUGH INTERDISCIPLINARY **RESEARCH & INNOVATION**

Data Science Institute





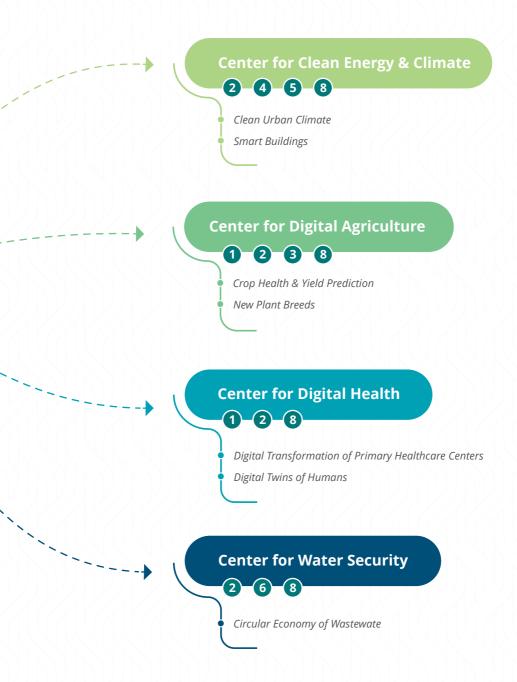


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Digital Terrascope

Core Labs

- CRISPR-Cas Lab
- IoT & Sensors Tech Lab
- Robotics & Automated Vehicle Lab
- 4 Micro-Climate Lab
- B Clean Energy Lab
- 6 Water Technology Lab
- 7 Metaverse Lab
- 8 AI/ML/DS Lab (High Performance Cloud Computing)



ACADEMIC LEADERSHIP •



Prof. Rudra PratapFounding Vice Chancellor

Past Associations

Former Deputy Director, Indian Institute of Science (IISc), Bangalore
Founding Chairperson & Professor, (CeNSE), IISc Bangalore
Assistant Professor, Cornell University, USA
Elected Fellow, National Academy of Engineering & National Academy of Science

Area of Expertise

MEMS Technology, Mechanics and Mechanobiology

Education

Ph.D, Cornell University MS, University of Arizona B.Tech, IIT Kharagpur



Prof. BL RamakrishnaChief Academic Advisor,
Professor, **Arizona State University**Ph.D, **IIT Madras, India**

Prof. Uday Desal

Honorary Distinguished Professor,
Founding Director, IIT Hyderabad

Ph.D, Johns Hopkins University, USA





Prof. M. Balakrishnan

Distinguished Visiting Professor,

Professor, Computer Science Engineering, IIT Delhi

Ph.D, IIT Delhi, India

PLAKSHA FACULTY •



Dr. Aditya Malik Social Sciences Ph.D - Heidelberg University



Amit Sheth
Design Thinking
M.Phil. IIT Bombay



Dr. Amrik SenApplied Math *Ph.D. - University of Colorado*



Dr. Amruta BeheraMEMS Technology *Ph.D - IISc Bangalore*



Dr. Brainerd PrinceDialogical Hermeneutics
Ph.D - OCNS
Oxford-Middlesex University



Dr. Dhiraj SinhaElectrical Engineering
Ph.D - University of Cambridge



Dr. Kanchi GopinathComputer Science
Ph.D - Stanford University



Dr. Kriti KhannaEconomics
Ph.D - University of Houston



Dr. Manoj KannanEngineering Education *Ph.D - BITS Pilani*



Dr. Monika SharmaComputational Biology *Ph.D - IIIT Hyderabad*



Dr. Navjot KaurBioengineering
Ph.D - IISc Bangalore



Dr. Nitin UpadhyayaPhysics
Ph.D - University of Leiden



Dr. Prashanth S. Kumar
Water Technology
Ph.D - Delft University of Technology



Dr. Rupesh DeshmukhGenomics *Ph.D - SBTM University*



Dr. Rucha JoshiEngineering Education *Ph.D - Purdue University*



Dr. Saikat ChakrabortyBio Systems Engineering
Ph.D - University of Houston



Dr. Sandeep ManjannaRobotics & Applied ML *Ph.D - McGill University*



Dr. Sanjay BoseElectrical Engineering
Ph.D - Stony Brook University



Dr. Saumya JetleyComputer Science

Ph.D - University of Oxford



Dr. Shashank TamaskarRobotics & Automation *Ph.D - Purdue University*



Dr. Shashikant PawarEnvironmental Sciences *Ph.D - IISc Bangalore*



Dr. Srikant SrinivasanIoT & Sensor Technologies *Ph.D - Purdue University*



Dr. Subhasis Ray
Computational Neuroscience
Ph.D - NCBS, TIFR Bangalore



Dr. Vishal Garg Smart Buildings Ph.D - IIT Delhi

FACULTY CAREER AT PLAKSHA

We are enabling a thriving research and innovation ecosystem at Plaksha University and are looking for top notch faculty to join our mission across diverse interdisciplinary domains such as computer science, Al/ML, data science, cyber-physical systems, robotics, digital transformation, and design thinking, along with applied areas such as mathematics, economics, energy, cyber security, smart agriculture, digital health, and engineering education.

- Opportunity to build an institution, curriculum, and research lab from scratch; faculty could have fast-tracked opportunities for academic leadership positions
- Attractive salary structure
- Highly attractive Start-up research grants and Professional Development Allowance; meritocratic increments and growth
- Consulting opportunity for 1 day a week with 90% revenue share to faculty; support with making industry connections in leading corporates and start-up
- 2 summer months as mini-sabbatical anywhere in the world supported for tenure-track assistant professors
- Support for research & teaching for Ph.D students with attractive university fellowship
- High degree of freedom, flexibility & autonomy to define curriculum and pedagogy

FLEXIBLE CAREER TRACKS

- Tenure-track/tenured position at Professor / Associate Professor / Assistant Professor level
- Professor of Practice
- Visiting and Adjunct positions
- Research Scientist
- Joint industry appointments



Roles & Responsibility

The responsibilities include teaching at the undergraduate, graduate, and doctoral level, conducting research and building research centers and laboratories of global eminence along with innovative curriculum and pedagogy.

- To teach up to a maximum of 6 contact hours per week (lectures/labs) at the UG level or (4+3) contact hours per week (lectures/labs) at the PG level.
- To develop and conduct a world class research program that will involve supervising PhD students, post-doctoral fellows, and developing a thriving scientific ecosystem in allied areas of scientific research.
- To raise research funds through government and private agencies and international consortiums

APPLICATION PROCESS

Applications for faculty positions are open throughout the year. Interested applicants are encouraged to visit **www.plaksha.edu.in/faculty** or reach out to **academic.relations@plaksha.edu.in** for more information.

Plaksha University is supportive of dual-careers and is an equal opportunity/ affirmative action employer. We are committed to maintaining diversity and welcome applications from all nationalities, and encourage women, members from LGBTQ+ community, persons with disabilities, and other diverse communities

Citizenship of India is not a requirement. Foreign nationals with fluency in English are encouraged to apply.



Scan to know the recruitment process



Scan to apply online



