

Fully funded PhD position at IIT Indore

Fully funded PhD position is available in the Applied and Theoretical Mechanics (ATOM) Lab (<https://www.sikundalwal.com/atom-lab>), Department of Mechanical Engineering at Indian Institute of Technology (IIT), Indore.

The objective of this research is the large-scale synthesis of carbon nanotubes/graphene layers on different substrates using CVD and their characterization using AFM, Nanoindenter, SEM, TEM, STM, Raman spectroscopy etc.

Stipend: Rs. 31000 + HRA pm for first two years and Rs. 35000+HRA pm in the third year.

Essential Qualification:

- M.Tech/ME degree in Solid Mechanics/Design Engineering/Mechanical Engineering/Material Science/Nanotechnology.
- GATE score from any year of exam.

Desirable work experience:

- Synthesis and characterization of 1D and 2D nanostructures.
- Hands-on experience with AFM, Nanoindenter, STM, FESEM, Raman spectroscopy etc.
- Some knowledge on micro- and nano-mechanics

How to Apply: Interested candidates are requested to visit website (<https://academic.iiti.ac.in/phdadvt.php>) for more details and online application process.

About IIT Indore: Indian Institute of Technology Indore (IITI) is one of the premier institutions established by the Ministry of Human Resource Development (MHRD), Government of India (GoI) under The Institutes of Technology (Amendment) Act. Since its founding in 2009, IITI has been supporting and affirming the value of academic development, discovery-driven applied research, innovation and scholarly activities. The institute is devoted to excellence in teaching, learning and research, and to develop leaders in many disciplines who make a difference globally. It is one of the “Institutes of National Importance” which occupies a unique place in India’s higher education and research landscape. In a short span of 11 years, the institute has achieved numerous milestones in academic and research excellence, steadfastly towards the goal of becoming one of the world’s leading institute, as manifested by steadily increase in the rankings. According to NIRF ranking 2020, the current position of the institute is 10 among all engineering universities, colleges and research institutions in India. The global position of the institute is 61 and 351-400 according to Times Higher Education Emerging Economies and World Rankings 2019-2020, respectively. The overall aim of the institute is to provide meaningful education of the highest standard, to conduct world class novel research and to provide leadership in technological innovation for the industrial growth of the country. The institute’s exceptional community maintains its enduring motto via teaching, research, novel technology and innovation.