

# NITER



## Kamrul Hasan

Physics

### Bio

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Coming soon..

### Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
Masters	Physics	University of Dhaka	Bangladesh	2016 (held on 2017)
Bachelor	Physics	University of Dhaka	Bangladesh	2015 ( held on 2016)

## Experience

Job Title	Organization	Location	From Date	To Date
Lecturer	National Institute of Textile Engineering and Research (NITER)	Nayarhat, Savar, Dhaka	3 <sup>rd</sup> September 2018	Present

## Research Activities

### Research Interest

Subject	Description	Research Interest (Goal/ Target Indicator)
Medical Physics, Biophysics, Health Physics, Biomedical Physics, Biomedical Instrumentation, Nanotechnology	Analyzing biomedical signals and images to diagnose diseases; Developing systems that allow effective control of the delivery of medicines; Investigating the effects of medicines on cells and tissues and assessing the efficacy of drugs in preclinical and clinical settings; Development of strategies for the recreation and modelling of tissues for use in research or drug testing; Development of imaging technologies and tools, from basic point-of-care devices to complex new microscopes that identify and reveal illness causes; Low-cost medical instrument design and development; Dosimetry and radiobiology applied to the treatment of cancer; Research on developing, applying, and analyzing novel imaging techniques for diagnosing human diseases; The use of nanotechnology in medical imaging and therapy; Radiation dose reduction for patients; Drug discovery using computer-aided technology; Kinetics and mechanical force study for heart failure	

## Publications

### Conference Proceedings

SL. No-	Paper Name	Link
1.	Kamrul Hasan, Ishtiaque M. Syed, K S Rabbani, Lens-free computational Microscope for Cell and Tissue imaging in low-resource settings, <i>International Conference on Physics in Medicine and Clinical Neuro Electrophysiology (PMCN-2017)</i> , 10-11 March; 2017, Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka, Bangladesh.	

## Award

Award Type	Title	Year	Country	Description
Local	National Science and Technology (NST) Fellowship	2016	Bangladesh	The Ministry of Science and Technology awards National Science and Technology (NST) Fellowships to MS students/researchers for the development of science and technology.
Local	University Merit Scholarship	2016	Bangladesh	Based on the results of the B.Sc. (Honour's) examination awarded by the University of Dhaka.
Local	Merit Scholarship (Junior level)	2005	Bangladesh	
	Merit Scholarship (Primary level)	2002	Bangladesh	

## Contact

### Academic

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Contact: 01916840133

### Institute – Faculty

Name of the Department: Physics

Position: Lecturer