



**JIS INSTITUTE OF ADVANCED STUDIES AND RESEARCH (JIASR) KOLKATA
JIS UNIVERSITY**

Applications are invited from eligible candidates for **PhD programs and Integrated M.Tech – PhD and M.Sc – PhD programs** as per the UGC guidelines and rules and regulations of JIS University for the four centres of JIS Institute of Advanced Studies and Research for the even semester 2022.

Centre for Data Science (CDS):

Machine Learning • Data Mining • Computer Vision • Image and Video Processing • Natural Language Processing • Cloud Computing • Video Surveillance • Digital Forensic • Data Security • Access Control Models • Business Data Analytics • Medical Imaging and image Processing • Internet of Things and Applications • Stochastic Processes in Big Data Analytics • Remote Sensing • Geo Informatics and related fields.

(PhD and Integrated Masters-PhD programs offered)

Centre for Health Science and Technology (CHEST):

Microbial and viral evolution and drug resistance • Host-pathogen interactions • Bacterial small molecule signalling • Human microbiome in health and disease • Machine learning in healthcare • Medical image analysis • Medical microbiology • NGS data analysis and methodology development • Molecular modelling and computer-aided drug design • Protein-ligand interactions: binding, structure and mechanism.

(Integrated Masters-PhD program offered)

Centre for Interdisciplinary Sciences (CIS):

Polymer Science • Biomaterials and 3D printing • Advanced Materials • Cancer Theranostics • Gas Sensors • MEMS devices • 4th Generation Solar systems and Applications
• CO₂ Sequestration • Building Materials • Wastes Recycling • Self-healing Materials • Biosensors • Bioorganic Chemistry.

(Integrated Masters-PhD program offered)

Centre for Nanomedicines:

Nanomedicine in infectious diseases • Ultra diluted medicine • Drug Delivery : Tissue Engineering

For details, please visit www.jisiasr.org or call **9874375544**

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