



# Inter University Accelerator Centre

(An Autonomous Research Centre of University Grants Commission)

Aruna Asaf Ali Marg, New Delhi 110067

## IUAC Summer Programme 2017 for B. Sc. (Physics) Students

### List of Projects

Name of the Student	Name of the Supervisor	Field of Work	Title of the Project
<b>Mr. Arnab Sarker</b> B. Borooah College, Guwahati, Assam	<b>Mr. G. R. Umopathy</b>	Accelerator physics	RBS-channeling measurement and analysis of damaged single crystals
<b>Ms. Amala Augusthy</b> National Institute of Technology, Patna, Bihar	<b>Mr. Mohit Kumar</b>	Nuclear physics	Study of scintillation detectors
<b>Mr. Chandra Kumar</b> Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh	<b>Dr. Abhishek Yadav</b>	Nuclear physics	Characterization of a high purity germanium detector
<b>Mr. Agrim Jetwani</b> Sri Venkateswara College, Delhi University, Delhi	<b>Mr. Bappa Karmakar</b>	Accelerator physics	Beam acceleration through superconducting linac
<b>Mr. Pratik Manojkumar Manwani</b> Birla Institute of Technology and Science Pilani, Goa	<b>Dr. Narender Kumar</b>	Accelerator physics	Conceptual and experimental studies on 2.45 GHz microwave ion source based high flux system
<b>Ms. C. Namitha</b> Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat	<b>Dr. G. O. Rodrigues</b>	Accelerator physics	Operation of 18 GHz HTS ECR ion source and LEPT on a 200 kV HV platform
<b>Ms. Greeshma R.</b> Sahyadri Science College, Shimoga, Karnataka	<b>Mr. Kedar Mal</b>	Atomic and molecular physics	Charge state distribution in ECR plasma
<b>Ms. Anjana M.</b> St. Joseph's College, Devagiri, Kerala	<b>Mr. Deepak Swami</b>	Atomic and molecular physics	Study of X-ray detectors with radioactive sources
<b>Ms. Namrata Bhadoria</b> ITM University, Gwalior, Madhya Pradesh	<b>Dr. I. Sulania</b>	Materials science	Imaging the nano-structures
<b>Ms. Archana Aravindan</b> Pondicherry University, Puducherry	<b>Mr. J. Gehlot</b>	Nuclear physics	Characterization of a multi-wire proportional counter
<b>Mr. Shridhar Vinayak</b> Indian Institute of Science Education and Research Mohali, Punjab	<b>Dr. Pankaj Kumar</b>	Accelerator physics	Isotopic and isobaric background suppression in AMS
<b>Ms. Srilakshmi P.</b> Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu	<b>Dr. Budhi Singh</b>	Materials science	Fabrications of metal di-chalcogenides thin films via chemical vapour deposition method
<b>Mr. Aditya Laxman Vidhate</b> Birla Institute of Technology and Science Pilani, Hyderabad, Telangana	<b>Dr. Pragya Bhatt</b>	Atomic and molecular physics	Study of ionization of molecules by slowly moving highly charged ions
<b>Ms. Ina Royal</b> Doon University, Dehradun, Uttarakhand	<b>Dr. R. P. Singh</b>	Nuclear physics	Properties of gamma rays studied using a Clover detector
<b>Mr. Abhishek Chattaraj</b> Institute of Science, Banaras Hindu University, Varanasi, Uttar Pradesh	<b>Mr. N. Saneesh</b>	Nuclear physics	Neutron gamma discrimination by pulse shape analysis