



Inter University Accelerator Centre

(An Autonomous Research Centre of University Grants Commission)

Aruna Asaf Ali Marg, New Delhi 110067

IUAC Summer Project 2016 for B. Sc. (Physics) Students

June 01-28, 2016

List of Projects

Name of the Student	Affiliation of the Student	Name of the Supervisor	Field of Work	Title of the Project
Ms. Aparna Mandava	Aditya Degree College, Andhra University, Andhra Pradesh	Mr. Sunil Ojha	Accelerator	Rutherford backscattering (RBS) - channeling on silicon crystals
Mr. Amitayus Banik	Hindu College, University of Delhi, Delhi	Dr. G. O. Rodrigues	Accelerator	Installation and testing of the low energy beam transport section of the High Current Injector Programme
Ms. Ankita Negi	St. Stephens College, University of Delhi, Delhi	Dr. C. P. Safvan	Molecular physics	Ionization and capture studies
Ms. Tamanna Joshi	Miranda House College, University of Delhi, Delhi	Dr. Fouran Singh	Materials science	Current-voltage characteristics of wide band gap semiconductors
Ms. Hridya M.S.	Sardar Vallabhbhai National Institute of Technology, Gujarat	Mr. Bappa Karmakar	Accelerator	Study of superconducting linac
Mr. Anindo Roy	Birla Institute of Technology, Mesra, Jharkhand	Ms. Indu Bala	Nuclear physics	Multipolarity of gamma ray by angular distribution
Ms. Risa Mariam Philip	Catholicate College, Pathanamthitta, Mahatma Gandhi University, Kottayam, Kerala	Dr. Ashish Kumar	Materials science	GaN for biosensors
Ms. Rajkiran Jaiswal	Govt. Autonomous Holkar Science College, DAVV Indore, Madhya Pradesh	Dr. Budhi Singh	Materials science	Electronic transport properties of undoped semiconductors
Mr. Ashish Nandkishor Awandkar	Vidyabharati Mahavidyalaya Amravati, Sant Gadagebaba Amravati University, Maharashtra	Mr. Kedar Mal	Accelerator	Gas-mixing studies in ECR plasma
Mr. Immanuel Malsawmlien	St. Edmund's College, Northeastern Hills University, Meghalaya	Mr. Mohit Kumar	Nuclear physics	Remote-controlled gain and threshold setting of silicon strip detector
Ms. Disha J. Kuzhively	National Institute of Science Education Research, Homi Bhabha National Institute, Odisha	Dr. R. P. Singh	Nuclear physics	Characterization of a gamma detector
Ms. Shahina	Indian Institute of Science Education and Research, Mohali, Punjab	Mr. Jagdish Gehlot	Nuclear physics	Assembly and characterization of a gas detector
Ms. Jaya Gupta	Regional Institute of Education, Maharshi Dayanand Saraswati University, Ajmer, Rajasthan	Dr. Indra Sulania	Materials science	Investigating the nano-structures using various imaging techniques
Ms. Vijayakumari Sugumaran	Kongunadu Arts and Science College, Bharathiar University, Tamil Nadu	Dr. Pankaj Kumar	Accelerator	Methodology of radiocarbon dating
Mr. Uddipan Banik	Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh	Mr. Saneesh N.	Nuclear physics	Organic based scintillators for fast neutron detection
Mr. Sanket Shekhar	Indian Institute of Technology Roorkee, Roorkee, Uttarakhand	Ms. Devarani Devi	Accelerator	Study of SNICS ion source
Mr. Tathagata Ghosh	Ramakrishna Mission Residential College, University of Calcutta, West Bengal	Dr. Pragya Bhatt	Molecular physics	Plasma potential measurement