	Student Name	List of students who caried out project work at RRCAT during 2 Project Title	University/ Institute	Place
2	Mr Venu V Achuth	Temperature dependent carrier dynamics in semiconductors using pump-probe technique	Cochin University of Science and Technology	Kochi,Kerala
3		laser-host transparent ceramic	University of Kerala University of Kerala	Thiruvananthapurar Thiruvananthapurar
4	Mr Priyangshu Dhara	Development of framework for probabilistic safety analysis of radiation safety systems for industrial electron accelerator	Homi Bhabha National Institute	
5 6	, and the second	Study of open source hardware and software platform for the beam position measurement for electron accelerator Eletro-polishing analysis of superconducting radio frequency cavity(1 Cell, 5 Cell & 9 Cell)	Jabalpur Engineering College National Institute of Technology	Jabalpur Durgapur
7	Mr Ankit Tiwari	Design optimization of strong-back support system for 650 MHz SCRF cavity cryomodule	Homi Bhabha National Institute	
8		section IX	Goverment College of Engineering	
9		Study and prototype development of pulse selector magnet power supply for linear accelerator (LINAC) Design and analysis of 70K theral shields for bottom supported 650 MHz cryomodule and its	Mody University of Science & Technology National Institute of Technology	Lakshmangarh, Rajasthan Durgapur
11	Ms Sayali Dilip Kedar		K. J. Somaiya College of Engineering	Mumbai
12	Ms Sudha Gupta	Simultaneous measurements of shock velocity in Al/Cu step targets	Devi Ahilya Vishwavidhyalaya	Indore
13	Ms Akanksha Jain Ms R. Saraswathi		Rajiv Gandhi Proudyogiki Vishwavidyalaya Shanmugha Arts, Science,	Bhopal Tirumalaisamudran
15	Mr Rahul Kumar	Process feasibility of low pressure non thermal supersonic additive manufacturing	Technology & Research Academy Manipal University	Thanjavur Jaipur
16	Mr Pandurang Suresh Mulik		Engineering	Karad
17		discharge lamp	Engineering	Karad Banasthali
19		stady on development of mgn volume turning power supply for pulse 1211 002 laser	Rajiv Gandhi ProudyogikiVishwavidyalaya	Bhopal
20	Mr M. P. Sarath	Spectroscopic studies on cold krypton atoms	Cochin University of Science and Technology	Kochi, Kerala
21 22		, , , , ,	,	Banasthali Banasthali
23			Devi Ahilya Vishwavidhyalaya	Indore
24		tool	Institute of Technology, Nirma University	Ahmedabad
2526	Ms Hemashri Muguli Mr S Surjith		MIT, Manipal University Cohin University of Science and	Manipal Cochin
27	,	filter Studies on nano phosphor materials to enhance the efficiency of amorphoussolar cell	Technology	Noida, Uttar Prade
28			Government Engineering College	Jabalpur
29		Studies on Fe-based magneto-optical alloys Surface magneto-optical trap for Rb atoms: optimization studies	Technology Cochin	Cochin Manipal
31	Xavier			Raipur (C.G.)
32	Mr Vikash Kumar	Investigations on selective unit-cell-based architectures for additive manufacturing of porous structures	(Indian School of Mines)	Dhanbad, Jharkhand
33		elastic tuning	Rajarambapu Institute of Technology Pt. Ravishankar Shukla University	Rajaramnagar Raipur (C.G.)
35	•	Development of web server for accessing parameters of front end	Amity University	Gwalior,
36	, i			Madhya Pradesh Indore, M.P.
37	Mr Alok Mishra Mr Sitanshu kumar Sarangi		Technology	Pune Cuttack
39			Jabalpur Engineering College	Jabalpur(M.P.)
40	0.	Purification, Crystallization and X-ray diffraction of recombinant protein S16xc and engineered protein Timcc1	Ravenshaw University	Cuttack
41	Mr Milind Doiphode Mr Sachin Rishishwar	Optimization of cooling scheme for 10 MeV electron linear accelerator (LINAC) Development of control & data acquisition software for low level RF (LLRF) systme of RRCAT	Technology	Rajaramnagar Gwalior,
43		vertical test stand		MadhyaPradesh
44	Ms Deepika Jeswani	Crystallization, X-ray diffraction and molecular dynamics of Spt16N proteins	Devi Ahilyabai Vishwavidhyalaya	Indore
45			Pt. Ravishankar Shukla University	• ` ` ′
47	Ms Anshi Bansal	Growth of silver nanostructured LB films for surface enhanced Raman spectroscopy of semiconductor nanostructures Development of particle image Velocimetry algorithm for fluid flow and its implementation using	Amity University	Gwalior,
48	Mr Gowtham Beera	graphical processing unit (GPU) Fabrication of electrostatic micromotor using UV lithography	National Institute Of Technology	MadhyaPradesh Warangal
49			, ,	Gwalior, MadhyaPradesh
50	Ms Kritika Bhardwaj Mr Atharv Bhaskar		Shri G. S. Institute of Technology and Science Shri G. S. Institute of Technology	Indore Indore
52	Ms Samriddhi Bhutani	X-ray diffraction image processing at CCD detector of PX-beamline at Indus-2 synchrotron	and Science VIT University	Vellore
53			Pt. Ravishankar Shukla University	·
55	Mrs Charu Chaurasia Mr Chintulala V. S.		(D.A.V.V.) Cochin University of Science and	Indore Cochin
56	Ms Purva Deshpande		Technology Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
57		Structural and optical characterization of (Gax Cr2-x)2O3 ($0 < x < 0.45$) and (Alx Cr1-x)2O3 ($0 < x < 0.45$)	Pt. Ravishankar Shukla University	Raipur
58	Mr Dharmendra Kumar		D : A1:1 X7:1 :1 1	
59	Ms Shraddha dubey	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence	, , ,	Indore
59	Ms Shraddha dubey	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki	Indore
60	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya	Indore Indore Indore Indore
60	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya	Indore Indore Indore
60 61 62	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer Mr Nilesh Kumar Jat	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya SGSITS	Indore Indore Indore Indore Indore
60 61 62 63 64 65	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer Mr Nilesh Kumar Jat Mr Jayesh Joshi Ms Sadia Khattak	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron Parametric study of 1/8 th part of Indus-2 tunnel for temperature stability using CFD simulation of air handling system Experimental and theoretical studies on various CO ₂ laser systems Computer integrated design, analysis and shape optimization of proton beam dump for SNS target	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya SGSITS Devi Ahilya Vishwavidyalaya Medi-Caps Institute of Technology and Management	Indore Indore Indore Indore Indore Indore Indore Indore
60 61 62 63 64	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer Mr Nilesh Kumar Jat Mr Jayesh Joshi Ms Sadia Khattak Mr Koppoli Kirankumar	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron Parametric study of 1/8 th part of Indus-2 tunnel for temperature stability using CFD simulation of air handling system Experimental and theoretical studies on various CO ₂ laser systems Computer integrated design, analysis and shape optimization of proton beam dump for SNS target Studies on fiber lasers	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya SGSITS Devi Ahilya Vishwavidyalaya Medi-Caps Institute of Technology and Management Devi Ahilya Vishwavidyalaya	Indore Indore Indore Indore Indore Indore Indore
60 61 62 63 64 65 66	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer Mr Nilesh Kumar Jat Mr Jayesh Joshi Ms Sadia Khattak Mr Koppoli Kirankumar Mr Krishnamunni R A	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron Parametric study of 1/8 th part of Indus-2 tunnel for temperature stability using CFD simulation of air handling system Experimental and theoretical studies on various CO ₂ laser systems Computer integrated design, analysis and shape optimization of proton beam dump for SNS target Studies on fiber lasers Growth of lithium potassium tetra borate (LiKB ₄ O ₇) single crystal and investigate its nonlinear optical and thermoluminescence properties Computational heat transfer & fluid dynamics analysis of depostion of TiO ₂ in situ using energetic jet	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya SGSITS Devi Ahilya Vishwavidyalaya Medi-Caps Institute of Technology and Management Devi Ahilya Vishwavidyalaya University of Kerala	Indore Indore Indore Indore Indore Indore Indore Indore Indore
60 61 62 63 64 65 66 67 68 69	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer Mr Nilesh Kumar Jat Mr Jayesh Joshi Ms Sadia Khattak Mr Koppoli Kirankumar Mr Krishnamunni R A Mr Rahul Kumar Mr Sandeep Kushwaha	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron Parametric study of 1/8th part of Indus-2 tunnel for temperature stability using CFD simulation of air handling system Experimental and theoretical studies on various CO ₂ laser systems Computer integrated design, analysis and shape optimization of proton beam dump for SNS target Studies on fiber lasers Growth of lithium potassium tetra borate (LiKB ₄ O ₇) single crystal and investigate its nonlinear optical and thermoluminescence properties Computational heat transfer & fluid dynamics analysis of depostion of TiO ₂ in situ using energetic jet Synthesis and study of functional properties of orthoferrites	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya SGSITS Devi Ahilya Vishwavidyalaya Medi-Caps Institute of Technology and Management Devi Ahilya Vishwavidyalaya University of Kerala Rajiv Gandhi Proudyogiki Vishwavidyalaya Rajiv Gandhi Proudyogiki Vishwavidyalaya	Indore
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60 61 62 63 64 65 66 67 68 69 70	Ms Shraddha dubey Ms Priyanka Indait Ms Deeksha Jachpure Ms Chitra Jain Mr Paramveer Mr Nilesh Kumar Jat Mr Jayesh Joshi Ms Sadia Khattak Mr Koppoli Kirankumar Mr Krishnamunni R A Mr Rahul Kumar Mr Sandeep Kushwaha Mr Sunil Kumar Meena Mr Mohit Mittal Ms Divya N Nair	wounds in diabetic mice Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications Growth and investigation of borates as laser host and scintillating materials Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron Parametric study of 1/8 th part of Indus-2 tunnel for temperature stability using CFD simulation of air handling system Experimental and theoretical studies on various CO ₂ laser systems Computer integrated design, analysis and shape optimization of proton beam dump for SNS target Studies on fiber lasers Growth of lithium potassium tetra borate (LiKB ₄ O ₇) single crystal and investigate its nonlinear optical and thermoluminescence properties Computational heat transfer & fluid dynamics analysis of deposition of TiO ₂ in situ using energetic jet Synthesis and study of functional properties of orthoferrites Development of 16-Bit, 6-Channel analog to digital converter card Characterization of optical fibers and grating for sensing application Study of thermal, optical and opto-mechanical properties of indigenously developed neodymium	Amity University Madhya Pradesh Rajiv Gandhi Proudyogiki Vishwavidyalaya Devi Ahilya Vishwavidyalaya Devi Ahilya Vishwavidyalaya SGSITS Devi Ahilya Vishwavidyalaya Medi-Caps Institute of Technology and Management Devi Ahilya Vishwavidyalaya University of Kerala Rajiv Gandhi Proudyogiki Vishwavidyalaya Rajiv Gandhi Proudyogiki Vishwavidyalaya Rajiv Gandhi Proudyogiki Vishwavidyalaya Rajiv Gandhi Proudyogiki Vishwavidyalaya	Indore
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