Government of India | Department of Atomic Energy

Raja Ramanna Centre for Advanced Technology

Project Work & Training Opportunities at RRCAT

A. Projects at RRCAT for university students

RRCAT offers opportunities to the students pursuing M.Tech. / M.E./ M.Phil./ M.Sc. degree in Science and Engineering from recognized institutions in India for carrying out project work towards partial fulfilment of their post graduate degree. This scheme has no prescribed training programme/ curriculum. Each selected student has to carry out the project individually under the guidance of a Scientist/ Engineer of RRCAT, on all working days. The project duration is from minimum six months up to twelve months. Free hostel accommodation is normally given to the outstation students. Students are also eligible for financial assistance of ₹ 1,000 per month, and are paid II class (sleeper) train fare by the shortest route, from the place of their present institute of study / residence, to Indore and back, after completion of their project work.

Students selected under INSPIRE fellowship programme may also apply for doing project work after completion of 2nd year of B Tech or 1st year for MSc, in addition to opportunities offered for doing project work during M Tech/ M E/ M Phil.

List of students who carried out their project work in RRCAT along with the title of projects completed, for last three years.

1. 2017-2018
2. 2016-2017
3. 2015-2016

For more details, please click **here**.

B. Orientation Course on Accelerators, Lasers and Related Science and Technologies (OCAL)

RRCAT conducts an 8 week duration certificate course titled “Orientation Course on Accelerators, Lasers and related Science and Technologies (OCAL)” every year for 8 weeks during the months of May to July for post-graduate students from all over India. The students selected for the Orientation Course are provided free lodging and boarding at RRCAT. In addition, they are given a monthly stipend of ₹ 1500 (at the rate of ₹ 50 per day). The students completing the Course are eligible for the above financial support based on their attendance and performance. Students are paid II class (sleeper) train fare by the shortest route, from the place of their present institute of study / residence, to Indore and back.

For information about eligible disciplines, admissible qualifying degrees, other academic requirements, selection process, etc., please click **here**.

C. Young Scientist Research Programme (YSRP)

Raja Ramanna Centre for Advanced Technology, Indore is a premier unit of Department of Atomic Energy, Government of India, engaged in R & D activities in front line research areas of Accelerator science, Laser science, related technologies and applications. In order to expose young students to these frontiers in science and technology, the Centre runs a Young Scientist Research Program during the summer.

For more details, please click **here**.

Government of India | Department of Atomic Energy

Raja Ramanna Centre for Advanced Technology

Ph.D Programme | OCAL | YSRP

Opportunities of Projects in RRCAT for Students

List of Students placed via PPC for project work at RRCAT during winter 2018 (updated list till 31st May 2018) New

RRCAT offers opportunities to the students pursuing degree in science and engineering from recognized institutions in India for carrying out project work towards partial fulfilment of their degree. Presently projects are offered to students pursuing the following degrees:

1. M.Phil. in:

   Physics, Chemistry, Electronics, Computer Science, Biochemistry, Biophysics and Life Science.

2. M.Sc. in:

   Biochemistry, Life Sciences, Bio-Technology and Microbiology

3. M.E. and M.Tech. in:

   Electronics, Electronics and Instrumentations, Electronics and Communications, Electrical Engineering, Computer Engineering, Information Technology, Mechanical Engineering, Materials Science, Metallurgical Engineering and Opto-Electronics.

4. **Students selected under INSPIRE fellowship programme may also apply for doing project work after completion of 2nd year of B Tech or 1st year for MSc, in addition to opportunities offered for doing project work during M Tech/ M E/ M Phil.**

This scheme has no prescribed training programme/ curriculum. Each selected student has to carry out the project individually under the guidance of a Scientist/ Engineer of RRCAT, on all working days.

Project Duration:

From minimum **six months** up to **twelve months**.

Application Procedure:

Interested student should send his/ her application in the **prescribed form**, as per the instructions given. Applications complete with ALL the required documents will only be considered. Application for the project work must be accompanied with the **Certificate of Bonafide Student** issued only by Principal/ Head of the Institute. **Applications without this form will NOT be considered**. Applications sent through e-mail will not be accepted.

Selection criteria are the academic profile of the student and availability of suitable project guide in the area of interest of the student. Number of students selected may vary from year to year. Period for the winter and summer projects will be from 10th December to 9th June and 10th June to 9th December respectively in the calendar year. Last dates for receiving applications for winter and summer projects are 1st October and 1st April respectively in every calendar year.

Only the selected candidates will be informed about their selection through email, on email address given in the application.
List of selected candidates will be uploaded on website before May 30 and November 30 for summer and winter projects respectively.

Financial Assistance:

Post-graduate students selected for project work are eligible for financial assistance, which includes: **(i)** monthly stipend of Rs. 1000/- for the duration of project work, **(ii)** reimbursement of "to and fro" second class railway fair, from the place of study to Indore or ordinary bus fare, and **(iii)** free accommodation may be provided in RRCAT Guest House, subject to its availability. Financial Assistance is given, provided the student is not getting stipend, scholarship etc. from any other source. This must be certified by the Head of Department/ Institution.

Eligibility for free accommodation and stipend:

The financial assistance and free accommodation is subject to satisfactory performance during the course of project work certified by the project guide/ Division Head with minimum six months attendance at RRCAT.

Applications complete in all respect should be sent to:

Member Secretary,
Project Placement Committee
Raja Ramanna Centre for Advanced Technology
P.O.: CAT, Indore 452013 (M.P.)
Contact Phone Number: 0731-2488388
Email: ppc@rrcat.gov.in

List of students who caried out project work at RRCAT during 2015 - 16

Sr.No	Student Name	Project Title	University/ Institute	Place
1	Ms Geethika Muralidharan	A study of Yb:YAG laser	Cochin University of Science and Technology	Kochi, Kerala
2	Ms Geeta	Fabrication of frequency selective surface in mid-infrared region	Banasthali Vidyapith	Rajasthan
3	Ms Divya Bharti	Physics of plasma mirror	Cochin University of Science and Technology	Kochi, Kerala
4	Ms Priya Khachane	Simulation & development of high power class-D 2 MHz, 4kW RF source for RF based H-ion source	SVKM's NMIMS University	Mumbai
5	Mr R.Sivaraman	Design and development of peripherals interface using FPGA, for biomedical imaging and instrumentation	Shanmugha Arts, Science, Technology & Research Academy	Tirumalaisamudram, Thanjavur, Tamil Nadu
6	Mr Subhash Rajak	Design and development of direct laser writer and its application in fabrication of microlens lithography	Formerly Bengal Engineering and Science University	Shibpur , Howrah
7	Mr Anant Jaiswal	Development of FPGA based test setup for performance evaluation of RF front end of digital beam position monitor of Indus- 2	Indian Institute of Engineering Science & Technology	Shibpur, Howrah
8	Ms Geet Jain	Flow mal-distribution study in cryogenic counter-flow plate fin heat exchangers	Devi Ahilya Vishwavidyalaya	Indore
9	Ms Ishita Bhatia	Software development for Indus-2 front-end and beamline	Devi Ahilya Vishwavidyalaya	Indore
10	Ms Mudamala Maheswara Reddy	Development and characterization of Yb-doped ultrashort all-fiber amplifier systems and its application to material processing	National Institute of Technology	Warangal
11	Mr Devesh Malviya	Analysis and design of current-fed symmetrical capacitor- diode voltage multiplier	Sam Higginbottom Institute of Agriculture, Technology & Sciences,	Allahabad, U.P.
12	Mr Bhupendra Singh Thakur	Structural analysis of infra-red free electron laser (IR-FEL) beam transport line for external pressure and pumping power calculation	Shri Govindram Seksaria Institute of Technology and Science	Indore, M.P.
13	Mr Miti Ranadive	Structural design and vibration analysis of mechanical support system and precision alignment system of free electron laser (IR-FEL)	Shri Govindram Seksaria Institute of Technology and Science	Indore, M.P.
14	Mr Jagadish Chandra	Integration of solid state RF power supplies with FAF CO_2 laser	National Institute of Technology	Warangal
15	Mr Akshay Tyagi	Synthesis of lithium niobate nanoparticles by modified Sol-Gel method and their characterization	Central University of Rajasthan	Ajmer
16	Mr Ajaya Kumar Barik	Characterization of indigenously developed hollow cathode discharge lamp for optogalvanic spectroscopy	MIT, Manipal University	Manipal, Karnataka
17	Mr Kiran Ashok Kadam	Coupled field analysis of radio frequency quadrupole (RFQ) structure using finite element method	Rajarambapu Institute of Technology	Rajaramnagar, Islampur
18	Mr Gaurav Kumar Nagar	CFD Analysis of heat exchanger for temperature control in 2k cryostat	Amity University	Jaipur, Rajasthan
19	Mr Rohit Ravindra Desai	Design analysis, development and testing of 20-cell PWT electron linear accelerator structure	Rajarambapu Institute of Technology	Rajaramnagar
20	Ms K.V. Reeja	Preparation and characterization of self-luminescent mesoporous silica nanoparticles for biomedical applications	MIT, Manipur University	Manipal, Karnataka
21	Ms U. Neethu	Development of transparent Nd:YAG ceramics for laser host application	Cochin University of Science and Technology	Kochi, Kerala
22	Ms R. Anupamaa	Saturated absorption spectroscopy in magnetic field for diode laser frequency stabilization	MIT, Manipal University	Manipal
23	Mr Vikas Dubey	Project monitoring system for big data (PMSBD)	KIIT University	Bhubaneswar, Odisha
24	Ms Shiksha Agrawal	Characterization of pulsed laser deposited niobium carbide thin films	Pt. Ravishankar Shukla University	Raipur (C.G.)
25	Ms Nargish Aneshwari	Annealing study of Au/Cr bilayer using X-ray reflectivity technique	Pt. Ravishankar Shukla University	Raipur (C.G.)
26	Mr Abhijeet U. Naik	Study and investigation of issues related to simulation of electron beam welding for optimization of weld parameters	Shri Guru Gobind Singhji Institute of Engineering and Technology	Nanded
27	Mr Nitesh Kumar Suthar	Mechanical, thermal and vacuum design aspects of UHV system of super-conducting wavelength shifter system at Indus-2 synchrotron radiation source	Rajiv Gandhi Prodhyogiki Vishwavidhyalaya	Bhopal (M.P)
28	Ms Arshdeep Kaur	Growth of heterojunction of CuO-ZnO nanorods	Amity University Uttar Pradesh	Noida
29	Ms Tulika	X-ray reflectivity study of gold film deposited In oxygen environment	AmityUniversity Uttar Pradesh	Noida
30	Mr Vivek Kumar Dhimole	Mechanical, thermal and vacuum engineering aspects of ultra high vacuum system of APPLE-2 undulator at Indus-2 SRS	Shri Govindram Seksaria Institute of Technology and Science, Indore	Indore
31	Mr Aman Vikram	Nonlinear structural analysis for multi-call SCRF cavity	IIEST	Shibpur, West Bengal
32	Mr Krishna Prajapati	A study on multiferroic properties of nanocomposites	Central University of Rajasthan	Ajmer
33	Mr Ajit Kumar	Experimental investigation of tensile properties using miniature samples and its implementation for laser additive manufactured AISI SS304L material	Indian School of Mines	Dhanbad
34	Ms Pragya Tiwari	Doppler-free spectroscopy using beam of metastable krypton atoms	Devi Ahilya Vishwavidyalaya	Indore
35	Ms Divya Aggarwal	Frequency analysis of X-Ray reflectivity data by FFT	Amity Institute of Applied Sciences, Amity University	Noida (U.P)
36	Ms Ritu Agrawal	Preparation and optical properties of metal-semiconductor hybrid nanostructures	Pt. Ravishankar Shukla University	Raipur (C.G.)
37	Ms Preeti Chugh	Synthesis and characterization of lead nickel niobate ceramics	AMITY University	Haryana
38	Ms Niyati Agrawal	Studies on high temperature compatible X-ray refractive lenses for X-ray microfocussing	Pt. Ravishankar Shukla University	Raipur (C.G.)
39	Mr Aadil Qadir Bhat	Development of low cost electrochemical Biosensor with specific attention to H_2O_2 for potential liver disease diagnostic	Devi Ahilya Vishwavidhyalaya, Indore	Indore
40	Ms Kanupriya Trivedi	Development of low cost electrochemical biosensor with specific attention to H_2O_2 detection for cholesterol level	Devi Ahilya Vishwavidyalaya, Indore	Indore
41	Mr Ashutosh Dwivedi	Laser photo-detachment studies as a diagnostics tool for hydrogen negative H- ion source	Devi Ahilya Vishwavidyalaya, Indore	Indore
42	Ms Anamika Hardel	Plasmonic properties of Ag/Au nanoparticles grown by different methods and interaction of citrate capped Au nanoparticles with cationic dye and surfactants	Pt. Ravishankar Shukla University	Raipur (C.G.)
43	Ms Shalmali Tiwari	Synthesis of TiO_2 nanoparticles by CO_2 laser pyrolysis, their immobilization and generation of mixed phase of anatase and rutile using laser sintering	Pt. Ravi Shankar University	Raipur (C.G.)
44	Mr Atit Pandey	The influence of isochronal annealing on the microstructure and mechanical properties of FeNiNbB & FeNiNbBCu metallic glasses	Pt. Ravishankar Shukla University	Raipur (C.G.)
45	Mr Murlidhar Dilliwar	Fabrication and characterization of W/B_4C X-ray multilayer	Pt. Ravishankar Shukla University	Raipur (C.G.)
46	Mr Rajul Lal Gour	Design and characterisation of feedback control loop for magnet power supply in particle accelerators	Jabalpur Engineering College	Jabalpur
47	Mr Akshat Srivastava Kulshrstha	Fabrication of electrostatic microactuator for MEMS application	Manipal University Jaipur	Jaipur
48	Mr Himanshu Gautam	Analysis of copper/nickel-based functionally graded materials produced by laser additive manufacturing	IIT Kanpur	Kanpur
49	Ms Bhavini Bafna	Study and development of prototype beam position monitor for electron linear accelerators	Devi Ahilya Vishwa Vidhyalaya	Indore
50	Mr Abhishek Parihar	Fabrication and microscopic investigation of long period fiber gratings	Devi Ahilya University	Indore
51	Ms Geethy Purushothaman	Study of formation and deposition of nanoparticulate TiO_2 thin film using langmuir-blodget technique	Cochin University of Science and Technology	Cochin
52	Ms Sweta Khare	Study and design of field programmable gate array based superconducting radio frequency cavity detuning measurement system	Devi Ahilya Vishwavidhyalaya	Indore
53	Ms Kavita Raghuvanshi	Plasma based x-ray laser	Devi Ahilya Vishwavidhyalaya	Indore
54	Mr Shubendu Shome	Exploration of Ion emission characteristic of intense, ultra-short laser produced plasma	Devi Ahilya Vishwavidhyalaya	Indore
55	Mr MD Saddam Hussain	Generation of linearly polarized radiation with a CW ytterbium doped fiber laser	Shri G. S. Institute of Technology and Science	Indore
56	Ms Pooja Bundel	Studies on the development of THz slow wave devices using x-ray LIGA technique	Banasthali University	Banasthali
57	Mr Uogesh Uchchasare	Studies on gain narrowing compensation in a regenerative amplifier using combined gain media	Devi Ahilya Vishwavidhyalaya	Indore
58	Ms Anjali Nagwanshi	Effect of oxygen deficiency and co-doping on the electrical Properties of $BaTiO_3$	Ravishankar Shukla University	Raipur (C.G.)
59	Mr Avinash Kumar	Optimization of output ripple voltage for full-bridge series resonant SMPS	Jabalpur Engineering College	Jabalpur, M.P.
60	Mr Viji OC	Growth of benzophenone non-linear optical crystal in natural morphology and in cylindrical forms along <110> and phase matching direction for increasing the yield of	Cochin University of Science and Technology	Cochin, Kerala
61	Ms Sucheta Khandekar	Design and development of electromagnetic launcher (coilgun)	Jabalpur Engineering College	Jabalpur, M.P.
62	Ms Shabana Shah	Study of shock wave propagation	Devi Ahilya Vishwavidhyalaya	Indore
63	Ms Ruchi Bhandari	Carrier dynamics studies by resonant probing in semiconductors using non-degenrate pump-probe reflectivity	Devi Ahilya Vishwavidhyalaya	Indore
64	Mr Amit Verma	Assembly and characterization of a 2x2 array amplifier for Nd:glass laser amplifier for high energy high power glass laser system	Devi Ahliya Vishwavidhyalaya	Indore
65	Mr Ajay Patil	Development of non-binary x-ray grating for talbot based interferometry and its comparison with binary grating	Shri G. S. Institute of Technology and Science	Indore
66	Mr Arshad Pathan	Prototype development of permanent magnet based magnetic levitated train working model	Devi Ahilya Vishwavidhyalaya	Indore
67	Ms Amrin kaur Ishar	Development of prototype recipe software for semiconductor layer growth using programmable automation controller	Shri Vaishnav Institute of Technology & Science	Indore
68	Ms Mamta Mishra	Study and development of flaw detection and measurement technique in non destructive testing using ultrasonic	Devi Ahilya Vishwavidyalaya	Indore
69	Ms Pallavi Nagar	Evalution of a bio compatible dressing for wound healing application	Jayoti Vidyapeeth Women's University	Jaipur
70	Mr Brajesh Lakhera	Structural and magnetic properties of yttrium iron garnets prepared using nano-synthesis and solid-state routes	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
71	Mr Girish	Investigation of structural and band gap properties of metal doped ZnO/ZnO heterostructure	Pt. Ravishankar Shukla University	Raipur (C.G.)
72	Mr Sandeep Jayaswal	Growth and characterization of nanostructured optical thin films by glancing angle deposition	Shri G. S. Institute of Technology and Science	Indore
73	Mr Parmveer Singh	Experimental study and testing of raman based optical distributed temperature sensor at 532nm wavelength	Shri G.S. Institute of Technology and Science	Indore
74	Mr Aditya Jain	Design and simulation of microstrip antenna to measure electromagnetic radiation	Symbiosis Institute of Technology	Pune
75	Mr Anand Gurjar	Studies for constraints in machining of Radio Frequency Quadrupole (RFQ) Structure on 5-axis machining center	Shri Govindram Seksaria Institute of Technology and Science	Indore
76	Mr Badal Salvi	Study of manufacturing of radio frequency quadrupole	Shri Govindram Seksaria Institute of Technology and Science	Indore
77	Mr Bhrigu Raj Sharma	Solution growth of benzophenone crystal and investigation of its second and third order nonlinear optical properties	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
78	Ms Pratibha Soni	Thermal spray conductive coating on copper & ferrite and their characterization	Shri Govindram Seksaria Institute of Technology and Science	Indore
79	Ms Neha Bhardwaj	Growth and effect of dopants on the physical properties of strontium barium niobate by optical floating zone method	Shri G. S. Institute of Technology and Science	Indore
80	Ms Shraddha Giri	Studies on closed loop laser power control in a dynamic fashion through temperature distribution measurement in LAM system	Shri Vaishnav Institute of Technology and Science	Indore
81	Mr Ajay Pratap Singh Lodhi	A study on sliding wear behaviour of plasma transferred Arc deposited Fe (Iron) clad layer over aluminium alloy	Shri G.S. Institute of Technology & Science	Indore
82	Mr Saurabh Sah	Effect of Al doping on the properties of β-Ga_2O_3 single crystal grown by optical floating zone technique	Shri G. S. Institute of Technology and Science	Indore
83	Mr Kundan Agrawal	Low current readout electronics development for beamline instruments	Devi Ahilya Vishwavidhyalaya, Indore	Indore
84	Mr Ashish Chadar	Growth and investigation of optical and thermoluminescence properties of strontium tetra borate single crystals	Rajiv Gandhi Technical University	Bhopal, M.P.
85	Mr Mohit Gupta	Optimization of reactive Ion etching of GaN for optoelectronic applications	Rajiv Gandhi ProudyogikiVishwavidyalaya	Bhopal, M.P.
86	Mr Raghvendra	Spatial sensitivity of radiation beam using quadrant detector	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal, M.P.
87	Ms Anjali Nihore	Surface modification studies on stainless steel and alumina	Devi Ahilya Vishwavidhalaya	Indore
88	Mr Deepak Patidar	Development of electronic data acquisition system for H^- Ion source plasma characterization using langmuir probe	Devi Ahilya Vishwavidyalaya	Indore
89	Mr Akshay Rai	Development of laser diode arrays for pumping the optical fiber medium	Shri G. S. Institute of Technology and Science	Indore
90	Mr Vipin Thomas	Effect of cerium doping on optical and scintillation properties of transparent YAG ceramic developed for X-ray detection and imaging application	University of Kerala	Thiruvananthapuram, Kerala
91	Mr Nishant Reahal	Development of stepper motor controller using arduino	Punjab Technical University	Jalandhar
92	Ms C. Reshmi	Studies on Yb:YAG transparent ceramics and Tb:Yb co-doped YAG nanophosphor for green emission	University of Kerala	Thiruvananthapuram, Kerala
93	Mr V.Sachin	Unidirectional growth of KDP crystal along [001] direction and fabrication of electro-optic modulator	University of Kerala	Thiruvananthapuram, Kerala
94	Mr Rupesh Kumar Verma	Information sharing portal for Indus sub-systems	Devi Ahilya Vishwavidhyalaya	Indore
95	Ms Nargish Aneshwari	Annealing study of Au/Cr bilayer using X-ray reflectivity technique	Pt. Ravishankar Shukla University	Raipur (C.G.)
96	Mr Saurabh Mundra	Infrastructural design for typical modular accelerator labs	Rajiv Gandhi Prodyogiki Vishwa Vidyalaya	Bhopal

List of students who caried out project work at RRCAT during 2016 - 17

Sr.No		Student Name	Project Title	University/ Institute	Place
1	Mr	Venu V Achuth	Temperature dependent carrier dynamics in semiconductors using pump-probe technique	Cochin University of Science and Technology	Kochi,Kerala
2	Ms	S Anand Anamika	Effect of Y/Al ratio on optical and micro-structural properties of neodymium (Nd) doped $Y_3Al_5O_{12}$: a laser-host transparent ceramic	University of Kerala	Thiruvananthapuram
3	Mr	Ashik A S	Imaging refractive index distribution of optical crystals and ceramics using shadowgraphy, schlieren and interferometry techniques, and quantifying it using numerical methods implemented in MATLAB	University of Kerala	Thiruvananthapuram
4	Mr	Priyangshu Dhara	Development of framework for probabilistic safety analysis of radiation safety systems for industrial electron accelerator	Homi Bhabha National Institute	
5	Mr	Vivek Singh	Study of open source hardware and software platform for the beam position measurement for electron accelerator	Jabalpur Engineering College	Jabalpur
6	Mr	Himanshu Singh	Eletro-polishing analysis of superconducting radio frequency cavity(1 Cell, 5 Cell & 9 Cell)	National Institute of Technology	Durgapur
7	Mr	Ankit Tiwari	Design optimization of strong-back support system for 650 MHz SCRF cavity cryomodule	Homi Bhabha National Institute	
8	Mr	Bhusahan Kumar Dharmik	Testing of electron beam welded joints for superconducting radiofrequency cavity as per ASME section IX	Goverment College of Engineering	Karad
9	Ms	Kajal Jain	Study and prototype development of pulse selector magnet power supply for linear accelerator (LINAC)	Mody University of Science & Technology	Lakshmangarh, Rajasthan
10	Mr	Kuldeep Mandloi	Design and analysis of 70K theral shields for bottom supported 650 MHz cryomodule and its evaluation on prototype at cryogenic temperature	National Institute of Technology	Durgapur
11	Ms	Sayali Dilip Kedar	Study and development of a DAS on 32 bit ARM cortex processor for X-ray detectors	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	Study of the marx modulator	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
14	Ms	R. Saraswathi	3D magnetic field mapping using FPGA	Shanmugha Arts, Science, Technology & Research Academy	Tirumalaisamudram, Thanjavur
15	Mr	Rahul Kumar	Process feasibility of low pressure non thermal supersonic additive manufacturing	Manipal University	Jaipur
16	Mr	Pandurang Suresh Mulik	To establish the copper to copper brazing process for particle accelerator components	Government College of Engineering	Karad
17	Mr	Sunchu Ganesh	Single and two-step optogalvanic effects in in-house developed air-cooled (Li/Ne) Hollow cathode discharge lamp	Government College of Engineering	Karad
18	Ms	Vandana	Development and testing of FPGA based motion control and signal processing modules for beam diagnostics system	Banasthali University	Banasthali
19	Ms	Shiwangi Saini	Study on development of high voltage capacitor charging power supply for pulse TEA CO_2 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	Ms	Surbhi Sharma	FPGA based embedded system design for plasma diagnostics	Banasthali University	Banasthali
22	Ms	Akansha Trivedi	PLC based interlock for microwave systems	Banasthali University	Banasthali
23	Mr	Abhas Jain	Implementation of ethernet support and in-application programmable storage on VME based boards	Devi Ahilya Vishwavidhyalaya	Indore
24	Ms	Kinnari Jain	Software interface for a smart phone based hardware control of a stand-alone fluorescence imaging tool	Institute of Technology, Nirma University	Ahmedabad
25	Ms	Hemashri Muguli	kHz linewidth measurement of non-planar ring oscillator laser	MIT, Manipal University	Manipal
26	Mr	S Surjith	Studies on gain narrowing in a ND:Glass regenerative amplifier & its compensation using birefringent fIlter	Cohin University of Science and Technology	Cochin
27	Ms	Avnee Chauhan	Studies on nano phosphor materials to enhance the efficiency of amorphoussolar cell	Amity University	Noida, Uttar Pradesh
28	Mr	Sanjay Dewangan	Study of converter type long pulse modulator for klystron	Government Engineering College	Jabalpur
29	Ms	P I Samina	Studies on Fe-based magneto-optical alloys	Cochin University of Science and Technology Cochin	Cochin
30	Mr	Chooraku ttil Ashwin Jose Xavier	Surface magneto-optical trap for Rb atoms: optimization studies	MIT, Manipal University	Manipal
31	Mr	Udit Kumar Dewangan	Soft x-ray harmonics analysis using multilayer technique	Pt. Ravishankar Shukla University	Raipur (C.G.)
32	Mr	Vikash Kumar	Investigations on selective unit-cell-based architectures for additive manufacturing of porous structures	Indian Institute of Technology (Indian School of Mines)	Dhanbad, Jharkhand
33	Mr	Lohar Jeevan Shantinath	Study of mechanical structure of spoke resonator related to microphonics, lorentz force detuning and elastic tuning	Rajarambapu Institute of Technology	Rajaramnagar
34	Ms	Rupa Patel	Measurement of surface form error and surface profiles of optics for lasers and x-rays	Pt. Ravishankar Shukla University	Raipur (C.G.)
35	Ms	Neha Bharti	Development of web server for accessing parameters of front end	Amity University	Gwalior, Madhya Pradesh
36	Mr	Rahul Raj Khare	Study of electrode patterns for the development of piezoelectric stages	Indian Institute of Technology	Indore, M.P.
37	Mr	Alok Mishra	Development of self-heterodyne based detection system for laser linewidth measurement	Defence Institute of Advanced Technology	Pune
38	Mr	Sitanshu kumar Sarangi	Cloning and purification of XPNPEP2 and purification and crystallization of hcp55 homologs	Ravenshaw University	Cuttack
39	Ms	Priya Chourasiya	Development of control system for copper vapour laser system	Jabalpur Engineering College	Jabalpur(M.P.)
40	Ms	Stiti Prangya Dash	Purification, Crystallization and X-ray diffraction of recombinant protein S16xc and engineered protein Timcc1	Ravenshaw University	Cuttack
41	Mr	Milind Doiphode	Optimization of cooling scheme for 10 MeV electron linear accelerator (LINAC)	Rajarambapu Institute of Technology	Rajaramnagar
42	Mr	Sachin Rishishwar	Development of control & data acquisition software for low level RF (LLRF) systme of RRCAT vertical test stand	Amity University	Gwalior, MadhyaPradesh
43	Ms	Sonal Chandrakar	Studies on structural and optical properties of nickel oxide thin films	Pt. Ravishankar Shukla University	Raipur(C.G.)
44	Ms	Deepika Jeswani	Crystallization, X-ray diffraction and molecular dynamics of Spt16N proteins	Devi Ahilyabai Vishwavidhyalaya	Indore
45	Mr	Shikha Jha	Numerical study of 'inverse compton scattering' through laser produced plasmas	Pt. Ravishankar Shukla University	Raipur(C.G.)
46	Ms	Anita Tiwari	Growth of silver nanostructured LB films for surface enhanced Raman spectroscopy of semiconductor nanostructures	Pt. Ravishankar Shukla University	Raipur(C.G.)
47	Ms	Anshi Bansal	Development of particle image Velocimetry algorithm for fluid flow and its implementation using graphical processing unit (GPU)	Amity University	Gwalior, MadhyaPradesh
48	Mr	Gowtham Beera	Fabrication of electrostatic micromotor using UV lithography	National Institute Of Technology	Warangal
49	Ms	Jyoti Bhadouria	Programmable current/voltage output source	Amity University	Gwalior, MadhyaPradesh
50	Ms	Kritika Bhardwaj	Design and development of FPGA based digital controller for magnet power supplies	Shri G. S. Institute of Technology and Science	Indore
51	Mr	Atharv Bhaskar	Development of flaw detection techniques in non destructive testing using GPU	Shri G. S. Institute of Technology and Science	Indore
52	Ms	Samridhi Bhutani	X-ray diffraction image processing at CCD detector of PX-beamline at Indus-2 synchrotron	VIT University	Vellore
53	Ms	Srishti Chandrakar	Study on thermal effects and gain measurement in ceramic Nd:Yag laser rod	Pt. Ravishankar Shukla University	Raipur
54	Mrs	Charu Chaurasia	Raman spectroscopy for detection of urea adulteration in packaged milk- an exploratory study	Devi Ahilya Vishwavidyalaya (D.A.V.V.)	Indore
55	Mr	Chintulala V. S.	Study on design of reduced radius CRL its fabrication and characterization	Cochin University of Science and Technology	Cochin
56	Ms	Purva Deshpande	Fabrication of quarter wave resonator by laser welding technique: planning and initial experiments	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
57	Mr	Dharmendra Kumar	Structural and optical characterization of (Ga*x* Cr2-*x*) $2O3$ (0 < x < 0.45) and (Al*x* Cr*1-x*) $2O3$ (0 < x < 1)	Pt. Ravishankar Shukla University	Raipur
58	Ms	Shraddha dubey	Investigations on effect of HA-Cur-Collagen Dressing on inflammation resolution and healing of wounds in diabetic mice	Devi Ahilya Vishwavidyalaya	Indore
59	Ms	Priyanka Indait	Development of data acquisition and advanced algorithm for spectrometer for laser based fluorescence applications	Amity University Madhya Pradesh	Indore
60	Ms	Deeksha Jachpure	Growth and investigation of borates as laser host and scintillating materials	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Indore
61	Ms	Chitra Jain	Laser induced anti-bacterial effect of polyelectrolyte coated gold nanorods	Devi Ahilya Vishwavidyalaya	Indore
62	Mr	Paramveer	Development of EPICS based control software for the protein crystallography beamline at Indus-2 synchrotron	Devi Ahilya Vishwavidyalaya	Indore
63	Mr	Nilesh Kumar Jat	Parametric study of 1/8th part of Indus-2 tunnel for temperature stability using CFD simulation of air handling system	SGSITS	Indore
64	Mr	Jayesh Joshi	Experimental and theoretical studies on various CO_2 laser systems	Devi Ahilya Vishwavidyalaya	Indore
65	Ms	Sadia Khattak	Computer integrated design, analysis and shape optimization of proton beam dump for SNS target	Medi-Caps Institute of Technology and Management	Indore
66	Mr	Koppoli Kirankumar	Studies on fiber lasers	Devi Ahilya Vishwavidyalaya	Indore
67	Mr	Krishnamunni R A	Growth of lithium potassium tetra borate ($LiKB_4O_7$) single crystal and investigate its nonlinear optical and thermoluminescence properties	University of Kerala	Kerala
68	Mr	Rahul Kumar	Computational heat transfer & fluid dynamics analysis of deposition of TiO_2 in situ using energetic jet	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
69	Mr	Sandeep Kushwaha	Synthesis and study of functional properties of orthoferrites	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
70	Mr	Sunil Kumar Meena	Development of 16-Bit, 6-Channel analog to digital converter card	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
71	Mr	Mohit Mittal	Characterization of optical fibers and grating for sensing application	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
72	Ms	Divya N Nair	Study of thermal, optical and opto-mechanical properties of indigenously developed neodymium doped phosphate laser glasses	International School of photonics, Cochin University	Cochin
73	Mr	Raji B. Nair	Study on Raman spectroscopy and optical coherence tomography of formalin-fixed and paraffin-embedded (FFPE) breast tissues	Department of Optoelectronics	Kerala
74	Ms	Komal Singh Panwar	Development of electronic nose for VOC detection	IET-DAVV	Indore
75	Mr	Chandrabhan Patel	Simulation of thermoelectric cooler and H-bridge driver for precise temperature control applications	National Institute of Technology	Kurukshetra
76	Ms	Richa Pathak	Development of a set up for induction brazing of LINAC cells.	SGSITS	Indore
77	Ms	Neha Prasad	Surface treatment of 316L stainless steel for improved corrosion resistance & hydrophobicity	Devi Ahilya Vishwavidyalaya	Indore
78	Ms	Dishi Purohit	Investigation of magnetic domain & local structure of MgO/Co/MgO trilayer	Pt. Ravishankar Shukla University	Raipur
79	Ms	Anisha Rai	Development of transparent Nd: YAG ceramic and optical characterization	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
80	Mr	Ashwani Kumar Rai	To study the effects of high voltage coaxial cable parameters on copper vapor laser performance	Jabalpur Engineering College	Jabalpur
81	Ms	Manisha Ratre	The influence of early transition metals on the structural and mechanical properties of FeCo (ETM)B alloys; ETM=Nb,Zr,Mo	Pt. Ravishankar Shukla University	Raipur
82	Ms	Ankita Sahu	Parametric studies on laser additive manufacturing of graded nickel layers on copper	Manipal University	Jaipur
83	Mr	Rahul Saxena	FEM based simulation of weld pool of SS316 – Kovar butt welded joint and its comparison with experimental results	Shri G. S. Institute of Technology and Science	Indore
84	Mr	Shubham Saxena	Feasibility study of compact heat exchanger (CHE) using laser additive manufacturing (LAM)	National Institute of Technology	Warangal
85	Ms	Ankita Shakyawar	Characterization of magnetic thin film using Magneto-Optic Kerr Effect (MOKE)	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
86	Mr	Vivek Shrivastav	A Study of advanced manufacturing technology with emphasis on laser beam welding techniques	Manipal University	Jaipur
87	Ms	Neha Singh	Synthesis and Characterization of Lead based Mixed Perovskites $Pb(B_x'W_{1-x})O_3$ (B'=Fe,Co,Ni)	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
88	Ms	Ritu Singh	Effect of carbon additives on conductivity of carbon aerogel	Institute of Excellence in Higher Education	Bhopal
89	Mr	Umang Singh	Parametric study of a xenon chloride excimer laser	Pt. Ravishankar Shukla University	Raipur
90	Mr	Sivajith PS	Effect of silicon co-doping on the structural and optical properties of aluminum doped beta gallium oxide single crystal	University of Kerala	Kerala
91	Mr	Sangeet Soman T	Development of fluorescence microscopic hyper-spectral imaging system	International School of photonics, Cochin University	Cochin
92	Mr	Shivangi Soni	Investigation of photobiostimulation on cells using low level laser therapy	Government Arts and Science College	Ratlam
93	Mr	Jugal Kishore Sonwani	Studies on Resistive Switching Behavior and Switching Time in Au/TiO_2/Pt devices grown by atomic layer deposition	Pt. Ravishankar Shukla University	Raipur
94	Mr	Rahul Kumar Tale	Study and investigation of issues related to electron beam welding process simulation using computational fluid dynamics (CFD)	Shri G. S. Institute of Technology and Science	Indore
95	Mr	Rahul Kumar Thakur	Syenthesis and charecterization of transition metal based oxides	School of Studies in Electronics and Photonics,	Raipur
96	Ms	Ruksana Ubaid	Growth and characterizations of Au/MgZnO Schottky photodiode	University of Kerala	Thiruvananthapuram, Kerala
97	Ms	Ritu Verma	Structural and Dielectric porperties of (x)BiFeO3-(1-x)BaTiO3 solid solution	Pt. Ravishankar Shukla University	Raipur
98	Mr	Sushant Sharma	Development of two quadrant converter and its application in characterization of inductors	Jabalpur Engineering College	Jabalpur
99	Ms	Anita Vishwakarma	Preparation and characterization of thin films embedded with silver nanoparticles and CdTe quantum dots	Devi Ahilya Vishwavidyalaya	Indore
100	Mr	Deepak Waghmare	Raman spectroscopy of optically stretched red blood cells	Devi Ahilya Vishwavidyalaya	Indore

List of students who caried out project work at RRCAT during 2017 - 18

Sr.No		Student Name	Project Title	University/ Institute	Place
1	Mr	Amrendra Kumar	Synthesis and characterization of polymer based $BiSmFeO_3$ multiferroic nano composite films	Barkatullah University Institute of Technology	Bhopal
2	Ms	Gaurav Rajak	Composite carbon aerogel synthesis with carbon additives and characterizations	Barkatullah University Institute of Technology	Bhopal
3	Mr	Pushpendra Kumar Dwivedi	Studies on enhancement of surface defect tolerance of SAE 9260 spring steel by laser shock peening with respect to its fatigue performance	Barkatullah University Institute of Technology	Bhopal
4	Mr	Swati Maravi	Studies on effect of laser shock peening on the fatigue life of hard chrome plated 15-5 PH stainless steel	Barkatullah University Institute of Technology	Bhopal
5	Mr	Ranvir Kumar Deo	Investigation of upconversion luminescence in Yb^{3+}/Tb^{3+} : LaF_3 nanophosphor	Barkatullah University Institute of Technology	Bhopal
6	Mr	Sheeza Khan	Transparent ceramics (development and characterization)	Barkatullah University Institute of Technology	Bhopal
7	Mr	Chandra Pratap Patel	Growth of Ce doped Gadolinium Gallium Aluminium Garnet single crystal by optical floating zone technique	Barkatullah University Institute of Technology	Bhopal
8	Mr	Vikash Kumar	Pyroelectric response of $LiTaO_3$ single crystals based laser energy sensor	Barkatullah University Institute of Technology	Bhopal
9	Ms	Shyamily Balakrishnan	Straightness measurement and optical wedge angle measurement using phase shifting interferometry	Cochin University of Science And Technology	Kochi
10	Mr	Mashboob C M	Hybrid organic-inorganic metal halide perovskite solar cell - active characterization and device fabrication material	Cochin University of Science And Technology	Kochi
11	Ms	Aditi Chaturvedi	Molecular studies of insecticidal proteins	Banasthali Vidyapeeth	Rajasthan
12	Ms	Ritulika Ghosh Dastidar	Development of segmentation based algorithms for enhanced demarcation of optically different regions in spectral images of biological samples	Homi Bhabha National Institute	
13	Ms	Srishti Sharma	Development of VHDL modules for beam slit monitor	Banasthali University	Banasthali
14	Ms	Neha Gour	Reducing computational complexity of mathematical functions using FPGA	Banasthali University	Banasthali
15	Mr	Ayush Bansal	Resonator analysis under 808 NM and 880 NM pumping to design a ring cavity for single frequency operation	Sardar Vallabhbhai National Institute of Technology	Surat
16	Mr	Manish Kumar Verma	Design, modeling & analysis of vacuum chamber for high energy high power plasma laser	Shri Govindramseksaria Institute of Technology And Science	Indore
17	Mr	Ketan Lohani	Structural, magnetic and spetroscopic study of nickel-ferrite ($Ni_{1.5}Fe_{1.5}O_4$) nanoparticles	Central University of Haryana	Mahendergarh
18	Ms	Kiran Kumari	Carbon based electrode material for supercapacitor	Central University of Haryana	Mahendergarh
19	Ms	Priya	Electronic properties of thermoelectric transition metal silicides	Central University of Haryana	Mahendergarh
20	Mr	Alif Laila M	Fabrication, characterization of metamaterials	Cochin University of Science And Technology	Kochi
21	Ms	Harshit Shah	3-D simulation of electromagnetic filter and transformer	Mukesh Patel School of Technology Management & Engineering	Mumbai
22	Ms	Akhila K J	The influence of post annealing on magneto-structural properties of quaternary FeCoNbB alloy thin films	Cochin University of Science And Technology	Kochi
23	Mr	Heenaben Darji	Role of surface & interface state of GaAs/Si photodetector	SVNIT	Surat
24	Ms	Sudhanshu Bhushan Sharma	Development and characterization of narrow linewidth all-fiber amplifier	Devi Ahilya Vishwavidyalaya	Indore
25	Ms	Prabeen Kumar Pattnayak	Analytical study on high speed cryogenic turboexpander for helium liquefier	Deemed University	Pune
26	Mr	Srikanta Panda	Analytical and experimental studies on cryogenic plate fin heat exchanger for helium liquefier	Deemed University	Pune
27	Ms	Akhilesh Kumar Yadav	Design and development of a temperature controlled closed chamber and measurement of temperature drift of the circuit using TMS320F28069M microcontroller	National Institute of Technology	Kurukshetra
28	Mr	Akshaya Ranjan Mishra	Development of controller and electrometer for wire beam position monitor along with its control GUI	Devi Ahilya Vishwavidyalaya	Indore
29	Ms	Ritika Agrawal	Synthesis and application of plasmonic nanoparticles and their composites with semiconductor nanostructures	Devi Ahilya Vishwavidyalaya	Indore
30	Mr	Jayesh J Nair	Development of a high gain multipass Nd:YLF preamplifier for high energy laser system	Cochin University of Science And Technology	Kochi
31	Mr	Sidhi G Ramer	Development of stress compensated thin films for lithographic applications	Cochin University of Science And Technology	Kochi
32	Mr	Sushant Mahajan	Automation of a V-Fold diffusion cooled CO_2 laser system & RF excited fast axial flow CO_2 laser system with RF leakage reduction	Devi Ahilya Vishwavidyalaya	Indore
33	Mr	Mintu Yadav	Cross polarization enhanced digital image correlation for determination of thermal expansion	Central University of Haryana	Mahendergarh
34	Ms	Antima Yadav	Development of pulse demagnetizer system for permanent magnets	Devi Ahilya Vishwavidyalaya	Indore
35	Ms	Pradeep Bunkar	5-circle diffractometer, 1D and TetrAMM picoammeter interfacing in spec through epics for X-ray reflectivity and X-ray absorption measurement	Devi Ahilya Vishwavidyalaya	Indore
36	Mr	Jyoti Yadav	Studies on structural and optical properties of chromium oxide thin film	Central University of Haryana	Mahendergarh
37	Mr	Ruchita Patel	Design and development of bender machine for the fabrication of toroidal mirror for X-ray applications	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal
38	Mr	Aishwarya Chouhan	Development of Labview based automated image acquisition software for imaging beamline	Devi Ahilya Vishwavidyalaya	Indore
39	Ms	Shruti Banait	Investigating laser additive manufacturing of functionally graded Ni-Cr-B-Si and SS 316L	Dr. Babasaheb Ambedkar Technological University	Lonere
40	Ms	Aarathy E R	Development of symmetric and asymmetric waveguide laser diode arrays	Devi Ahilya Vishwavidyalaya	Indore
41	Ms	Rupal Agarwal	Electrochemical corrosion studies of carbon aerogels synthesized under different conditions	Institute For Excellence In Higher Education	Bhopal
42	Ms	Akshay. K	Studies on optical and structural properties of zinc oxide nanostructures grown by vapour phase transport	Cochin University of Science And Technology	Kochi
43	Ms	Nitesh Baretha	Synthesis of carbon aerogel based electrodes for electrochemical supercapacitors and evaluation	Institute For Excellence In Higher Education	Bhopal
44	Ms	Konika Bhowmik	Studies on sructural and optical properties of zinc oxide nanostructures grown by wet chemical method	Dr. C.V. Raman University	Kota, Bilaspur
45	Mr	Abhijeet Yadav	Impedance Spectroscopy of photovoltaic materials	Pt. Ravishankar Shukla University	Raipur (C.G.)
46	Ms	Deepika Tanwar	Corrosion inhibition of mild steel in acidic medium and its kinetic and thermodynamic study	Govt. Autonomous Holkar Science College	Indore
47	Mr	Sreerag. C. T	Characterization of in-house developed heat-pipe for laser spectroscopy	Cochin University of Science And Technology	Cochin
48	Ms	Nilima Sinha	Time resolved reflectivity studies of semiconductor and their nanostructures using circularly polarized pump and probe pulse	Pt. Ravishankar Shukla University	Raipur (C.G.)
49	Mr	Anupam Shukla	Study of pulse transformer and topology for high voltage application	Jabalpur Engineering College	Jabalpur, M.P.
50	Ms	Aanchal Shrotriya	Analysis of physical, growth and oxidative stress parameters in common bean seeds exposed to synchrotron X-ray beam	Devi Ahilya Vishwavidyalaya	Indore
51	Ms	Radhika Sharma	Study of weld joint of different material and its correlation with penetration and distortion	Shri. GovindramSeksaria Institute of Technology and Science (SGSITS)	Indore
52	Mr	Rahul Rathi	Effect of particle size on the thermo-luminescence properties of Cerium doped Lithium Tetra Borate ($Ce:Li_2B_4O_7$) polycrystalline pellets under low and high dose of X-ray irradiation	Indian Institute of Technology (Indian School of Mines)	Dhanbad, Jharkhand
53	Ms	Nidhi Patle	Automation and control of LEBT power supplies and peripherals for proton accelerator application	National Institute of Technology	Patna (Bihar)
54	Ms	Monika Pandey	Study and analysis of RF distribution system for particle accelerator	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal (M.P.)
55	Mr	Arjun Kurur	A study of frequency stabilized narrow linewidth NPRO laser	Cochin University of Science And Technology	Cochin
56	Mr	Aakil Khan	FPGA based high speed data acquisition system with ethernet interface for ion source applications	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal (M.P.)
57	Mr	Anas Ullah Khan	Design and fabrication of one-dimensional vertical comb-drive microactuator by UV SLIGA	Shri. Govindram Seksaria Institute of Technology and Science (SGSITS)	Indore
58	Ms	Prerna Khalkho	Design and simulation of bridge controller for microtron control system distributed architecture	Maulana Azad National Institute of Technology	Bhopal (M.P.)
59	Mr	Pankaj Karma	Studies for forming process of various parts of superconducting radio frequency cavity	Shri Govindram Seksaria Institute of Technology and Science	Indore
60	Mr	Santosh Kalita	Synthesis of N-Doped TiO_2 nanoparticles using CO_2 laser based Gas Pyrolysis Technique for solar water splitting	National Institute of Technology	Kurukshetra
61	Mr	Denny John	Fatigue behaviour of Inconel 718 and Hastelloy-X fabricated by laser additive manufacturing using direct energy deposition	National Institute of Technology	Warangal
62	Mr	Harsh jaiswal	Design of cryostat for tensile testing of material at low temperature	Shri GovindramSeksaria Institute of Technology and Science (SGSITS)	Indore
63	Mr	Krishna Veer Sngh Gurjar	Design and fabrication of MEMS based Triaxial Electrostatic Accelerometer by UV SLIGA	Shri GovindramSeksaria Institute of Technology and Science (SGSITS)	Indore
64	Mr	Abhishek Gupta	Optimization of process parameters for deposition of tin powder particles in low pressure supersonic flow additive manufacturing process	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal (M.P.)
65	Mr	Neal Adam Dcunha	Automation and modeling of a V-Fold diffusion cooled CO_2 laser and study of a Carbon Monoxide Laser	Anna University	Chennai
66	Mr	Mohit Kumar Dashore	Design and analysis of strongback cavity support system for Beta 0.61, 650 MHz cryomodule	Shri Govindram Seksaria Institute of Technology and Science	Indore
67	Ms	Priya Chourasia	Designing of digital filter for RF system	Rajiv Gandhi Proudyogiki Vishwavidyalaya	Bhopal (M.P.)
68	Mr	Sunil Chouhan	Influence of UV irradiation on corrosion behavior of 304L SS in 0.1M H_2SO_4 and 0.5M NaCl	Devi Ahilya Vishwavidyalaya	Indore
69	Mr	Hemendra Chouhan	Epitaxial growth of Gallium Nitride using metal organic vapor phase epitaxy	Devi Ahilya Vishwavidyalaya	Indore