



Miranda House UNIVERSITY OF DELHI

Departmental Annual Report - 3

Departmental Activities: Curriculum and Beyond

Department: Physics

Academic Year: 2020 – 2021 (from 1.7.2020 to 30.6.2021)

Part A.1

Students undertaking project work/field work/internship as part of experiential learning component of coursework

Programme: B.Sc. (Hons) Physics

Semester: III

Paper: Basic Instrumentation Skills

Paper Code: 32223904

Faculty:

Dr. Sanju, Dr. Divakar Pathak

Dr. Nirmala Saini, Dr. Geeta Rani

Dr. Ambuja Jaiswal, Mr. Manraj Meena

Total students undertaking projects: 95

S. No	Name	Project Title	Supervised By
1.	Anjali (372)	My Temperature My Identity-Automatic Door Mechanism	Dr. Nirmala Saini
2.	Anju Sharma (900)	My Temperature My Identity-Automatic Door Mechanism	Dr. Nirmala Saini
3.	Chhavi (971)	My Temperature My Identity-Automatic Door Mechanism	Dr. Nirmala Saini
4.	Ila Singh (1365)	My Temperature My Identity-Automatic Door Mechanism	Dr. Nirmala Saini
5.	Ankita (2019/1613)	Covid-19 Social-Distancing Reminder	Dr. Nirmala Saini
6.	Deepika	Covid-19 Social-Distancing Reminder	Dr. Nirmala Saini
7.	Durgam Yekapriya	Covid-19 Social-Distancing Reminder	Dr. Nirmala Saini
8.	Lakshita Meena	Covid-19 Social-Distancing Reminder	Dr. Nirmala Saini
9.	Amrutha V Devan	Fire Detection and Prevention Alarm System	Dr. Nirmala Saini
10.	Gayathri K. P.	Fire Detection and Prevention Alarm System	Dr. Nirmala Saini
11.	Himani Martolia	Fire Detection and Prevention Alarm System	Dr. Nirmala Saini
12.	Ishika Kumar	Fire Detection and Prevention Alarm System	Dr. Nirmala Saini
13.	Joshita Sharma	Automatic Hand Wash/Touchless Soap	Dr. Nirmala Saini



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S. No	Name	Project Title	Supervised By
		Dispenser	
14.	Mahima Rai	Automatic Hand Wash/Touchless Soap Dispenser	Dr. Nirmala Saini
15.	Ankita Srivastava	Automatic Hand Wash/Touchless Soap Dispenser	Dr. Nirmala Saini
16.	Aastha Jain	Automatic Hand Wash/Touchless Soap Dispenser	Dr. Nirmala Saini
17.	Anjali Sharma	Social Distancing Device Model	Dr. Nirmala Saini
18.	Itika Gupta	Social Distancing Device Model	Dr. Nirmala Saini
19.	Manasvi Gautam	Social Distancing Device Model	Dr. Nirmala Saini
20.	Manya Mahajan	Social Distancing Device Model	Dr. Nirmala Saini
21.	Dharitri Daimary	Mobile Floor Cleaner	Dr Nirmala Saini
22.	Harsha P	Mobile Floor Cleaner	Dr Nirmala Saini
23.	Kalpna	Mobile Floor Cleaner	Dr Nirmala Saini
24.	Moni Kumari	Mobile Floor Cleaner	Dr Nirmala Saini
25.	Akriti Srivastava (2019/1534)	Automated Plant Watering System	Dr Nirmala Saini
26.	Diksha Kushwaha (2019/335)	Automated Plant Watering System	Dr Nirmala Saini
27.	Meenakshi Meena (2019/876)	Automated Plant Watering System	Dr Nirmala Saini
28.	Muskan Goswami (2019/1415)	Automated Plant Watering System	Dr Nirmala Saini
29.	Anagha Prakash	Temperature Filter and Motion-Based Auto-Sanitizer System	Dr. Geeta Rani
30.	Denna Thomas	Temperature Filter and Motion-Based Auto-Sanitizer System	Dr. Geeta Rani
31.	Farha K	Temperature Filter and Motion-Based Auto-Sanitizer System	Dr. Geeta Rani
32.	Karthika Aravind	Temperature Filter and Motion-Based Auto-Sanitizer System	Dr. Geeta Rani
33.	Anshi	Blinking And Fading of Led Using Arduino and 555 Timer with Its Applications	Dr. Geeta Rani
34.	Chanchal Yadav	Blinking And Fading of Led Using Arduino and 555 Timer with Its Applications	Dr. Geeta Rani
35.	Alka Yadav	Blinking And Fading of Led Using Arduino and 555 Timer with Its Applications	Dr. Geeta Rani
36.	Anjali Maurya	Blinking And Fading of Led Using Arduino and 555 Timer with Its Applications	Dr. Geeta Rani
37.	Anshi Aggarwal	Arduino Based Fire Alarm System (with Temperature and Gas Sensor) By Using	Dr. Geeta Rani



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S. No	Name	Project Title	Supervised By
		Tinkercad	
38.	Anushka Verma	Arduino Based Fire Alarm System (with Temperature and Gas Sensor) By Using Tinkercad	Dr. Geeta Rani
39.	Aparna Rvm	Arduino Based Fire Alarm System (with Temperature and Gas Sensor) By Using Tinkercad	Dr. Geeta Rani
40.	Ankita	Arduino Based Fire Alarm System (with Temperature and Gas Sensor) By Using Tinkercad	Dr. Geeta Rani
41.	Arundathi Dev (2019/107)	Creation of Frequency Counter Using Arduino and Creation of Signal Generator	Dr. Geeta Rani
42.	Krishnapriya K S (2019/06)	Creation of Frequency Counter Using Arduino and Creation of Signal Generator	Dr. Geeta Rani
43.	Manya M Kumar (2019/1002)	Creation of Frequency Counter Using Arduino and Creation of Signal Generator	Dr. Geeta Rani
44.	Meenakshi S Hari (2019/294)	Creation of Frequency Counter Using Arduino and Creation of Signal Generator	Dr. Geeta Rani
45.	Anupama Raj E K(2019/68)	LCR Circuit and Its Behaviour: A Simple Step to the World of Analog Electronics	Dr. Geeta Rani
46.	Chandana D S (2019/9)	LCR Circuit and Its Behaviour: A Simple Step to the World of Analog Electronics	Dr. Geeta Rani
47.	Lakshmy Santhosh (2019/18)	LCR Circuit and Its Behaviour: A Simple Step to the World of Analog Electronics	Dr. Geeta Rani
48.	Merin Shaji (2019/73)	LCR Circuit and Its Behaviour: A Simple Step to the World of Analog Electronics	Dr. Geeta Rani
49.	Anushka Yadav	Pandemic Friendly Smart Cabin	Dr. Geeta Rani
50.	Anuska Bhuyan	Pandemic Friendly Smart Cabin	Dr. Geeta Rani
51.	Bhoomija Chaurasia	Pandemic Friendly Smart Cabin	Dr. Geeta Rani
52.	Khushboo Yadav	Pandemic Friendly Smart Cabin	Dr. Geeta Rani
53.	Shristi	Smoke Detection Using Mq-2 Gas Detector	Dr. Sanju, Dr. Ambuj Jaiswal
54.	Neetu	Smoke Detection Using Mq-2 Gas Detector	Dr. Sanju, Dr. Ambuj Jaiswal
55.	Saloni	Smoke Detection Using Mq-2 Gas Detector	Dr. Sanju, Dr. Ambuj Jaiswal
56.	Tapur	Smoke Detection Using Mq-2 Gas Detector	Dr. Sanju, Dr. Ambuj Jaiswal
57.	Neha Yadav (2019/114)	Auto Intensity Control of Street Lights Using Aurdino	Dr. Sanju, Dr. Ambuj Jaiswal
58.	Sakshi Arora (2019/1780)	Auto Intensity Control of Street Lights Using Aurdino	Dr. Sanju, Dr. Ambuj Jaiswal



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S. No	Name	Project Title	Supervised By
59.	Sonnet Jose (2019/1)	Auto Intensity Control of Street Lights Using Aurdino	Dr. Sanju, Dr. Ambuj Jaiswal
60.	Tanu Chaudhary (2019/1551)	Auto Intensity Control of Street Lights Using Aurdino	Dr. Sanju, Dr. Ambuj Jaiswal
61.	Nikita Chaurasia	Automatic Plant Watering System	Dr. Sanju, Dr. Ambuj Jaiswal
62.	Pallavi Tanwar	Automatic Plant Watering System	Dr. Sanju, Dr. Ambuj Jaiswal
63.	Paridhi Goel	Automatic Plant Watering System	Dr. Sanju, Dr. Ambuj Jaiswal
64.	Sakshi Raheja	Automatic Plant Watering System	Dr. Sanju, Dr. Ambuj Jaiswal
65.	Saniya Yadav	Smart Dustbin	Dr. Sanju, Dr. Ambuj Jaiswal
66.	Nikita Meena	Smart Dustbin	Dr. Sanju, Dr. Ambuj Jaiswal
67.	Yogita Yadav	Smart Dustbin	Dr. Sanju, Dr. Ambuj Jaiswal
68.	Nisha (1310)	Smart Dustbin	Dr. Sanju, Dr. Ambuj Jaiswal
69.	Nirma	Password Protected Door Lock	Dr. Sanju, Dr. Ambuj Jaiswal
70.	Nisha Saini	Password Protected Door Lock	Dr. Sanju, Dr. Ambuj Jaiswal
71.	Priyanka	Password Protected Door Lock	Dr. Sanju, Dr. Ambuj Jaiswal
72.	Sapana Sharma	Password Protected Door Lock	Dr. Sanju, Dr. Ambuj Jaiswal
73.	Shally Yadav	Light Following Arduino Robot	Dr. Divakar Pathak and Mr. Manraj Meena
74.	Ritika	Light Following Arduino Robot	Dr. Divakar Pathak and Mr. Manraj Meena
75.	Roopal	Light Following Arduino Robot	Dr. Divakar Pathak and Mr. Manraj Meena
76.	Ronak	Light Following Arduino Robot	Dr. Divakar Pathak and Mr. Manraj Meena
77.	Najidha Abdul Gafoor	Arduino Distance Meter	Dr. Divakar Pathak and Mr. Manraj Meena
78.	Zainab Mohamed Firoz	Arduino Distance Meter	Dr. Divakar Pathak and Mr. Manraj Meena
79.	Nikitha Sabu	Arduino Distance Meter	Dr. Divakar Pathak and Mr. Manraj Meena
80.	Smera Sohan	Arduino Distance Meter	Dr. Divakar Pathak and



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S. No	Name	Project Title	Supervised By
			Mr. Manraj Meena
81.	T. M. Malavika	Password Based Circuit Breaker Using Arduino Uno	Dr. Divakar Pathak and Mr. Manraj Meena
82.	Vidushi Sharma	Password Based Circuit Breaker Using Arduino Uno	Dr. Divakar Pathak and Mr. Manraj Meena
83.	Yuglesh Kumari	Password Based Circuit Breaker Using Arduino Uno	Dr. Divakar Pathak and Mr. Manraj Meena
84.	Sumedha Panja	Password Based Circuit Breaker Using Arduino Uno	Dr. Divakar Pathak and Mr. Manraj Meena
85.	Preety	Automatic Gas Exhaust Fan	Dr. Divakar Pathak
86.	Ujjwal Batham	Automatic Gas Exhaust Fan	Dr. Divakar Pathak
87.	Ujjwal Tanwar	Automatic Gas Exhaust Fan	Dr. Divakar Pathak
88.	Vrinda Goel	Automatic Gas Exhaust Fan	Dr. Divakar Pathak
89.	Renu	Automatic Room Light System Using Arduino and PIR Sensor	Dr. Divakar Pathak and Mr. Manraj Meena
90.	Vishakha	Automatic Room Light System Using Arduino and PIR Sensor	Dr. Divakar Pathak and Mr. Manraj Meena
91.	Sheetal	Automatic Room Light System Using Arduino and PIR Sensor	Dr. Divakar Pathak and Mr. Manraj Meena
92.	Pooja	Automatic Room Light System Using Arduino and PIR Sensor	Dr. Divakar Pathak and Mr. Manraj Meena
93.	Payal Meena	Arduino Traffic Light Simulator	Dr. Divakar Pathak and Mr. Manraj Meena
94.	Tamanna Yadav	Arduino Traffic Light Simulator	Dr. Divakar Pathak and Mr. Manraj Meena
95.	Ramandeep Kaur	Arduino Traffic Light Simulator	Dr. Divakar Pathak and Mr. Manraj Meena



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Programme: B.Sc. (Hons) Physics, CBCS

Semester: IV

Course: SEC

Paper: Renewable Energy and Energy Harvesting

Paper Code: 32223905

Faculty:

Dr. Rashmi Rakshit, Professor Monika Tomar,

Dr. Geeta Rani, Dr. Raishma Krishnan, Mr. Manraj Meena

Total students undertaking projects: 94 (same set of students as listed above)

S. No.	Name	Project Title	Supervised By
1.	Joshita Sharma (1466/2019)	Automatic Dam Sluice Gate with Water Level Sensor	Dr. Geeta Rani and Dr. Raishma
2.	Mahima Rai (386/2019)	Automatic Dam Sluice Gate with Water Level Sensor	Dr. Geeta Rani and Dr. Raishma
3.	Ankita Srivastava (1376/2019)	Automatic Dam Sluice Gate with Water Level Sensor	Dr. Geeta Rani and Dr. Raishma
4.	Aastha Jain (370/2019)	Automatic Dam Sluice Gate with Water Level Sensor	Dr. Geeta Rani and Dr. Raishma
5.	Amrutha V Devan (2019/8)	Dual Axis Rotation Solar Panel	Dr. Geeta Rani and Dr. Raishma Krishnan
6.	Ankita (2019/1613)	Dual Axis Rotation Solar Panel	Dr. Geeta Rani and Dr. Raishma Krishnan
7.	Deepika (2019/1394)	Dual Axis Rotation Solar Panel	Dr. Geeta Rani and Dr. Raishma Krishnan
8.	Gayathri K P(2019/7)	Dual Axis Rotation Solar Panel	Dr. Geeta Rani and Dr. Raishma Krishnan
9.	Dharitri Daimary	Personal Weather Station	Dr. Geeta Rani and Dr. Raishma Krishnan
10.	Harsha P	Personal Weather Station	Dr. Geeta Rani and Dr. Raishma Krishnan
11.	Kalpana	Personal Weather Station	Dr. Geeta Rani and Dr. Raishma Krishnan
12.	Moni Kumari	Personal Weather Station	Dr. Geeta Rani and Dr. Raishma Krishnan
13.	Anjali(372)	Solar Powered Portable Window Charger	Dr. Geeta Rani and Dr. Raishma Krishnan
14.	Anju Sharma(900)	Solar Powered Portable Window Charger	Dr. Geeta Rani and Dr. Raishma Krishnan
15.	Chhavi(971)	Solar Powered Portable Window Charger	Dr. Geeta Rani and Dr. Raishma Krishnan
16.	Ila Singh(1365)	Solar Powered Portable Window Charger	Dr. Geeta Rani and Dr. Raishma Krishnan
17.	Durgam Yekapriya (2019/1223)	Harvesting Energy: Powering Road Lamps With Wind Energy	Dr. Geeta Rani and Dr. Raishma Krishnan
18.	Himani Martolia (2019/21)	Harvesting Energy: Powering Road	Dr. Geeta Rani and Dr. Raishma Krishnan



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S. No.	Name	Project Title	Supervised By
		Lamps With Wind Energy	
19.	Ishika Kumar (2019/23)	Harvesting Energy: Powering Road Lamps With Wind Energy	Dr. Geeta Rani and Dr. Raishma Krishnan
20.	Lakshita Meena (2019/494)	Harvesting Energy: Powering Road Lamps With Wind Energy	Dr. Geeta Rani and Dr. Raishma Krishnan
21.	Akriti Srivastava (2019/1534)	Solar Plant Watering System	Dr. Geeta Rani
22.	Diksha Kushwaha (2019/335)	Solar Plant Watering System	Dr. Geeta Rani
23.	Meenakshi Meena (2019/876)	Solar Plant Watering System	Dr. Geeta Rani
24.	Muskan Goswami (2019/1415)	Solar Plant Watering System	Dr. Geeta Rani
25.	Anjali Sharma (2019/280)	Ultrasonic Glasses For The Blind	Dr. Geeta Rani
26.	Itika Gupta (2019/1401)	Ultrasonic Glasses For The Blind	Dr. Geeta Rani
27.	Manasvi Gautam (2019/1227)	Ultrasonic Glasses For The Blind	Dr. Geeta Rani
28.	Manya Mahajan (2019/1508)	Ultrasonic Glasses For The Blind	Dr. Geeta Rani
29.	Manya M Kumar(2019/1002)	Light Intensity And Solar Energy Indicator With Storage Of Produced Energy And Nocturnal Lighting	Dr. Geeta Rani
30.	Meenakshi S Hari (2019/294)	Light Intensity and Solar Energy Indicator with Storage of Produced Energy and Nocturnal Lighting	Dr. Geeta Rani
31.	Krishnapriya K S (2019/06)	Light Intensity and Solar Energy Indicator with Storage of Produced Energy and Nocturnal Lighting	Dr. Geeta Rani
32.	Arundathi Dev (2019/107)	Light Intensity and Solar Energy Indicator with Storage of Produced Energy And Nocturnal Lighting	Dr. Geeta Rani
33.	Anushka Yadav	Smart Solar Grass Cutter Vehicle	Dr. Sitakshi Gupta
34.	Anuska Bhuyan	Smart Solar Grass Cutter Vehicle	Dr. Sitakshi Gupta
35.	Bhoomija Chaurasia	Smart Solar Grass Cutter Vehicle	Dr. Sitakshi Gupta
36.	Khushboo Yadav	Smart Solar Grass Cutter Vehicle	Dr. Sitakshi Gupta
37.	Alka Yadav	Dual Axis Solar Trackers	Dr. Sitakshi Gupta
38.	Ankita (2019/476)	Dual Axis Solar Trackers	Dr. Sitakshi Gupta
39.	Anshi(2019/1452)	Dual Axis Solar Trackers	Dr. Sitakshi Gupta
40.	Chanchal Yadav	Dual Axis Solar Trackers	Dr. Sitakshi Gupta
41.	Anshi Aggarwal	Smart Home (Using IR Remote)	Dr. Sitakshi Gupta
42.	Anushka Verma	Smart Home (Using IR Remote)	Dr. Sitakshi Gupta
43.	Anjali Maurya	Smart Home (Using IR Remote)	Dr. Sitakshi Gupta
44.	Aparna Rvm	Smart Home (Using IR Remote)	Dr. Sitakshi Gupta
45.	Anupama Raj E K (2019/68)	Smart Irrigation System	Dr. Sitakshi Gupta



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S. No.	Name	Project Title	Supervised By
46.	Chandana D S (2019/9)	Smart Irrigation System	Dr. Sitakshi Gupta
47.	Lakshmy Santhosh (2019/18)	Smart Irrigation System	Dr. Sitakshi Gupta
48.	Merin Shaji(2019/73)	Smart Irrigation System	Dr. Sitakshi Gupta
49.	Anagha Prakash	Solar Powered Safety Handbag for Women	Manraj Meena and Sitakshi Gupta
50.	Denna Thomas	Solar Powered Safety Handbag for Women	Manraj Meena and Sitakshi Gupta
51.	Farha K	Solar Powered Safety Handbag for Women	Manraj Meena and Sitakshi Gupta
52.	Karthika Aravind	Solar Powered Safety Handbag for Women	Manraj Meena and Sitakshi Gupta
53.	Pooja (457)	Temperature Based Fan Speed Controller	Dr. Monika Tomar
54.	Priyanka (342)	Temperature Based Fan Speed Controller	Dr. Monika Tomar
55.	Renu Yadav (1277)	Temperature Based Fan Speed Controller	Dr. Monika Tomar
56.	Tamanna (2017/1235)	Solar Cell Positioning System for Maximum Efficiency	Dr. Monika Tomar
57.	Najidha Abdul Gafoor (2019/1334)	Solar Cell Positioning System for Maximum Efficiency	Dr. Monika Tomar
58.	Neha Yadav (114)	Solar Cell Positioning System for Maximum Efficiency	Dr. Monika Tomar
59.	Nisha (1310)	Solar Cell Positioning System for Maximum Efficiency	Dr. Monika Tomar
60.	Payal Meena (1306)	Solar Cell Positioning System for Maximum Efficiency	Dr. Monika Tomar
61.	Preety (1410)	Energy Saving in Fields by Controlling the Irrigation System	Dr. Monika Tomar
62.	Ritika (1434)	Energy Saving in Fields by Controlling the Irrigation System	Dr. Monika Tomar
63.	Ronak (975)	Energy Saving in Fields by Controlling the Irrigation System	Dr. Monika Tomar
64.	Roopal Bansal (1414)	Energy Saving in Fields by Controlling the Irrigation System	Dr. Monika Tomar
65.	Neetu (1650)	Energy Saving Using Automated Street Lighting System	Dr. Monika Tomar
66.	Nikita Meena (604)	Energy Saving Using Automated Street Lighting System	Dr. Monika Tomar
67.	Nirma Bhadu (1048)	Energy Saving Using Automated Street Lighting System	Dr. Monika Tomar
68.	Ramandeep Kaur (1058)	Energy Saving Using Automated Street Lighting System	Dr. Monika Tomar



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S. No.	Name	Project Title	Supervised By
69.	Nisha Saini (507)	Energy Saving Using Automated Street Lighting System	Dr. Monika Tomar
70.	Nikita Chaurasia (938)	Home Automation System	Dr. Monika Tomar
71.	Nikitha Sabu (600)	Home Automation System	Dr. Monika Tomar
72.	Pallavi Tanwar (66)	Home Automation System	Dr. Monika Tomar
73.	Paridhi Goel (130)	Home Automation System	Dr. Monika Tomar
74.	Sakshi Arora (2019/1780)	Home Automation System (Using Pir, Temperature and Light Sensor)	Dr. Rashmi Rakshit
75.	Shally Yadav (2019/1437)	Home Automation System (Using Pir, Temperature and Light Sensor)	Dr. Rashmi Rakshit
76.	Vrinda Goel (2019/1709)	Home Automation System (Using Pir, Temperature and Light Sensor)	Dr. Rashmi Rakshit
77.	Yuglesh Kumari (2019/1406)	Home Automation System (Using Pir, Temperature and Light Sensor)	Dr. Rashmi Rakshit
78.	Sakshi Raheja (2019/1470)	Smart Light Based on Intensity and Vehicle Movement	Dr Rashmi Rakshit
79.	Sapana Sharma (2019/603)	Smart Light Based on Intensity and Vehicle Movement	Dr Rashmi Rakshit
80.	Sheetal (2019/1446)	Smart Light Based on Intensity and Vehicle Movement	Dr Rashmi Rakshit
81.	Vidushi Sharma (2019/1499)	Smart Light Based on Intensity and Vehicle Movement	Dr Rashmi Rakshit
82.	Saniya	Rainwater Harvesting and Energy Saving	Dr. Rashmi Rakshit
83.	Saloni	Rainwater Harvesting and Energy Saving	Dr. Rashmi Rakshit
84.	Shristi	Rainwater Harvesting and Energy Saving	Dr. Rashmi Rakshit
85.	Tapur	Rainwater Harvesting and Energy Saving	Dr. Rashmi Rakshit
86.	Yogita	Rainwater Harvesting and Energy Saving	Dr. Rashmi Rakshit
87.	Ujjwal Batham	Smart Irrigation System	Dr. Rashmi Rakshit
88.	Tanu Chaudhary	Smart Irrigation System	Dr. Rashmi Rakshit
89.	Ujjwal Tanwar	Smart Irrigation System	Dr. Divakar Pathak
90.	Vishakha	Smart Irrigation System	Dr. Divakar Pathak
91.	Smera Sohan (2019/1262)	Dual Axis Solar Tracker Using Arduino	Dr. Divakar Pathak
92.	Sonnet Jose (2019/1)	Dual Axis Solar Tracker Using Arduino	Dr. Divakar Pathak
93.	T M Malavika (2019/1476)	Dual Axis Solar Tracker Using Arduino	Dr. Divakar Pathak



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S. No.	Name	Project Title	Supervised By
94.	Zainab Mohamed Firoz (2019/113)	Dual Axis Solar Tracker Using Arduino	Dr. Divakar Pathak

Part A.2

Students undertaking project work/field work/internship (beyond the requirements of coursework)

A.2.1

Following students of B.Sc. (Hons) Physics participated in the **6-weeks long DSKC Summer Workshop 2020, held from 30 June to 9 August 2020** and successfully completed their projects.

(<https://mirandahouse.ac.in/uploads/dskc/summerworkshop/2020%20DSKC%20Summer%20Workshop%20Report.pdf>)

S. No	Name	Year/Sem	Project Title	Supervisors
1.	Tapur	Ist Year	Retractable Helmet	Dr. Mallika Verma and Dr. Monika Tomar
2.	Ujjwal	Ist Year	Retractable Helmet	Dr. Mallika Verma and Dr. Monika Tomar
3.	Vishakha	Ist Year	Retractable Helmet	Dr. Mallika Verma and Dr. Monika Tomar
4.	Eishita	IInd Year	Introduction to Einstein-Cartan Theory	Dr Sunita Singh
5.	Divya	IInd Year	Introduction to Einstein-Cartan Theory	Dr Sunita Singh
6.	Diksha	IInd Year	Introduction to Einstein-Cartan Theory	Dr Sunita Singh
7.	Nikita Chaurasia	Ist Year	Riemannian Geometry	Dr Sunita Singh
8.	Pallavi Tanwar	Ist Year	Riemannian Geometry	Dr Sunita Singh
9.	Paridhi Goel	Ist Year	Riemannian Geometry	Dr Sunita Singh
10.	Sakshi Raheja	Ist Year	Riemannian Geometry	Dr Sunita Singh
11.	C. Jayshree	III Year	Spontaneous Symmetric Breaking	Dr Sunita Singh
12.	Nisha		Symmetries in Physics	Dr Sunita Singh
13.	Koushiki Pohit	IInd Year	Astronomical Image Processing	Dr Sonam Singh



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S. No	Name	Year/Sem	Project Title	Supervisors
14.	Anusha Pandey	IInd Year	Astronomical Image Processing	Dr Sonam Singh
15.	Anjali Yadav	IInd Year	Astronomical Image Processing	Dr Sonam Singh
16.	Kajal	IInd Year	Astronomical Image Processing	Dr Sonam Singh
17.	Manya Sinha	IInd Year	Astronomical Image Processing	Dr Sonam Singh
18.	Sakshi Arora	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
19.	Anuska Bhuyan	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
20.	Shally Yadav	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
21.	Manya M Kumar	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
22.	Krishnapriya K	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
23.	Neha Yadav	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
24.	Nisha	Ist Year	Measuring acceleration due to gravity using Image Processing techniques	Dr Sonam Singh
25.	Neha Mondal	IIIrd Year	Study of Tidal Phenomenon using Lagrangian formulation	Dr Sonam Singh
26.	Priya	IIIrd Year	Study of Tidal Phenomenon using Lagrangian formulation	Dr Sonam Singh
27.	Shivani Yadav	IIIrd Year	Study of Tidal Phenomenon using Lagrangian formulation	Dr Sonam Singh
28.	Shambhvi Nigam	IIIrd Year	Study of Tidal Phenomenon using Lagrangian formulation	Dr Sonam Singh



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S. No	Name	Year/Sem	Project Title	Supervisors
29.	G Vishnupriya	IIIrd Year	Study of Tidal Phenomenon using Lagrangian formulation	Dr Sonam Singh
30.	Manshi Rani	IIIrd Year	Fake currency detection using Digital Image Processing	Dr Sonam Singh
31.	Monalisha Patra	IIIrd Year	Fake currency detection using Digital Image Processing	Dr Sonam Singh
32.	Saloni Singla	IInd Year	Atmospheric Physics	Dr Divakar Pathank
33.	Neha Sharma	IInd Year	Atmospheric Physics	Dr Divakar Pathank
34.	Seema Sahu	IInd Year	Atmospheric Physics	Dr Divakar Pathank
35.	Suchana Adhikari	IInd Year	Atmospheric Physics	Dr Divakar Pathank
36.	Amrutha Devan	Ist Year	Understanding the Forecast - Global Warming	Dr. Divakar Pathak
37.	Ronak	Ist Year	Review Article based on Understanding of structural and optical properties of Cr ₃₊ doped Al ₂ O ₃ .	Dr Geeta Rani
38.	Ritika	Ist Year	Review Article based on Understanding of structural and optical properties of Cr ₃₊ doped Al ₂ O ₃ .	Dr Geeta Rani
39.	Kalpana Khatar	Ist Year	Basics of Monte Carlo in Python	Dr. Abha Dev Habib and Dr. Nisha Rani
40.	Yuglesh Kumari	Ist Year	Basics of Monte Carlo in Python	Dr. Abha Dev Habib and Dr. Nisha Rani
41.	Preety	Ist Year	Basics of Monte Carlo in Python	Dr. Abha Dev Habib and Dr. Nisha Rani
42.	Moni Kumari	Ist Year	Basics of Monte Carlo in Python	Dr. Abha Dev Habib and Dr. Nisha Rani
43.	Sumedha Panja	Ist Year	Likelihood Analysis and Chi-Square Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
44.	Vidushi Sharma	Ist Year	Likelihood Analysis and Chi-Square Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
45.	Roopal	Ist Year	Likelihood Analysis and Chi-Square Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani



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S. No	Name	Year/Sem	Project Title	Supervisors
46.	Srishti	Ist Year	Likelihood Analysis and Chi-Square Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
47.	Tanu Chaudhary	Ist Year	Likelihood Analysis and Chi-Square Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
48.	Manasvi Gautam	Ist Year	Study of Likelihood Analysis as a Statistical Tool to Constrain Parameters of a Model	Dr. Abha Dev Habib and Dr. Nisha Rani
49.	Bhoomija Chaurasia	Ist Year	Study of Likelihood Analysis as a Statistical Tool to Constrain Parameters of a Model	Dr. Abha Dev Habib and Dr. Nisha Rani
50.	Anjali Sharma	Ist Year	Study of Likelihood Analysis as a Statistical Tool to Constrain Parameters of a Model	Dr. Abha Dev Habib and Dr. Nisha Rani
51.	Diksha Kushwaha	Ist Year	Study of Likelihood Analysis as a Statistical Tool to Constrain Parameters of a Model	Dr. Abha Dev Habib and Dr. Nisha Rani
52.	Khushboo Yadav	Ist Year	Study of Likelihood Analysis as a Statistical Tool to Constrain Parameters of a Model	Dr. Abha Dev Habib and Dr. Nisha Rani
53.	Anupama Raj E K	Ist Year	Likelihood and Chi-Square Techniques for Parameter Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
54.	Arundathi Dev	Ist Year	Likelihood and Chi-Square Techniques for Parameter Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
55.	Chandana DS	Ist Year	Likelihood and Chi-Square Techniques for Parameter Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
56.	Denna Thomas	Ist Year	Likelihood and Chi-Square Techniques for Parameter Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani
57.	Merin Shaji	Ist Year	Likelihood and Chi-Square Techniques for Parameter Estimation	Dr. Abha Dev Habib and Dr. Nisha Rani



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S. No	Name	Year/Sem	Project Title	Supervisors
58.	Apeksha Pundir	IInd Year	Parameter Estimation using Maximum Likelihood Method and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
59.	Manya Mahajan	Ist Year	Parameter Estimation using Maximum Likelihood Method and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
60.	Gayatri K P	Ist Year	Parameter Estimation using Maximum Likelihood Method and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
61.	Lakshita Meena	Ist Year	Parameter Estimation using Maximum Likelihood Method and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
62.	Neetu Choudhary	Ist Year	Constraining Parameters of a Model using Maximum Likelihood and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
63.	Nikita Meena	Ist Year	Constraining Parameters of a Model using Maximum Likelihood and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
64.	Yogita Yadav	Ist Year	Constraining Parameters of a Model using Maximum Likelihood and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
65.	Saloni	Ist Year	Constraining Parameters of a Model using Maximum Likelihood and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
66.	Sapana Sharma	Ist Year	Constraining Parameters of a Model using Maximum Likelihood and Chi-Square Fitting	Dr. Abha Dev Habib and Dr. Nisha Rani
67.	Lakshmy Santhosh	Ist Year	Monte Carlo Stimulation	Dr. Abha Dev Habib and Dr. Nisha Rani
68.	Ishika Kumar	Ist Year	Monte Carlo Stimulation	Dr. Abha Dev Habib and Dr. Nisha Rani
69.	Akriti Srivastava	Ist Year	Monte Carlo Stimulation	Dr. Abha Dev Habib and Dr. Nisha Rani



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S. No	Name	Year/Sem	Project Title	Supervisors
70.	Muskan Goswami	Ist Year	Monte Carlo Stimulation	Dr. Abha Dev Habib and Dr. Nisha Rani
71.	Meenakshi Meena	Ist Year	Monte Carlo Stimulation	Dr. Abha Dev Habib and Dr. Nisha Rani
72.	Anju Sharma	Ist Year	Python Programs for Monte Carlo Data Simulation	Dr. Abha Dev Habib and Dr. Nisha Rani
73.	Chhavi	Ist Year	Python Programs for Monte Carlo Data Simulation	Dr. Abha Dev Habib and Dr. Nisha Rani
74.	Anjali	Ist Year	Python Programs for Monte Carlo Data Simulation	Dr. Abha Dev Habib and Dr. Nisha Rani
75.	Ila Singh	Ist Year	Python Programs for Monte Carlo Data Simulation	Dr. Abha Dev Habib and Dr. Nisha Rani
76.	Ankita	Ist Year	Python Programs for Monte Carlo Data Simulation	Dr. Abha Dev Habib and Dr. Nisha Rani
77.	Anjali Khola	IInd Year	Monte Carlo for Data Generation and Integration	Dr. Abha Dev Habib and Dr. Nisha Rani
78.	Charu Mittal	IInd Year	Monte Carlo for Data Generation and Integration	Dr. Abha Dev Habib and Dr. Nisha Rani
79.	Aditi Choudhary	IInd Year	Monte Carlo for Data Generation and Integration	Dr. Abha Dev Habib and Dr. Nisha Rani
80.	Monika Pilaniya	IInd Year	Monte Carlo for Data Generation and Integration	Dr. Abha Dev Habib and Dr. Nisha Rani
81.	Eeshita	IInd Year	Monte Carlo for Data Generation and Integration	Dr. Abha Dev Habib and Dr. Nisha Rani
82.	Vanshika	IInd Year	Biometric Security Systems	Dr Nirmila Saini
83.	Tuhina Doley	IInd Year	Biometric Security Systems	Dr Nirmila Saini
84.	Raksha Soni	IInd Year	Biometric Security Systems	Dr Nirmila Saini
85.	Mukta Yadav	IInd Year	Biometric Security Systems	Dr Nirmila Saini
86.	Anshi Aggarwal	Ist Year	Synthesis of Hydrophobic Protein	Dr. Ambuja Jaiswal
87.	Meenakshi S Hari	Ist Year	Synthesis of Hydrophobic Protein	Dr. Ambuja Jaiswal
88.	Anushka Verma	Ist Year	Synthesis of Hydrophobic Protein	Dr. Ambuja Jaiswal
89.	Anjali Maurya	Ist year	Synthesis of Hydrophobic Protein	Dr. Ambuja Jaiswal
90.	T M Malavika	Ist Year	Synthesis of Hydrophobic Protein	Dr. Ambuja Jaiswal
91.	Najidha Abdul	Ist Year	Synthesis of Hydrophobic Protein	Dr. Ambuja Jaiswal



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S. No	Name	Year/Sem	Project Title	Supervisors
	Gafoor			
92.	Anagha Prakash	Ist Year	Biophysics in drug development - a study based on molecular docking	Dr. Ambuja Jaiswal
93.	Aparna RVM	Ist Year	Biophysics in drug development - a study based on molecular docking	Dr. Ambuja Jaiswal
94.	Farha K	Ist Year	Biophysics in drug development - a study based on molecular docking	Dr. Ambuja Jaiswal
95.	Himani	Ist Year	Biophysics in drug development - a study based on molecular docking	Dr. Ambuja Jaiswal
96.	Karthika Aravind	Ist Year	Biophysics in drug development - a study based on molecular docking	Dr. Ambuja Jaiswal
97.	Sonnet Jose	Ist Year	Biophysics in drug development - a study based on molecular docking	Dr. Ambuja Jaiswal
98.	Ankita	Ist Year	Hydrophilic protein simulation and applications	Dr Ambuja Jaiswal
99.	Anshi	Ist Year	Hydrophilic protein simulation and applications	Dr Ambuja Jaiswal
100.	Alka Yadav	Ist Year	Hydrophilic protein simulation and applications	Dr Ambuja Jaiswal
101.	Deepika	Ist Year	Hydrophilic protein simulation and applications	Dr Ambuja Jaiswal
102.	Durgam Yekapriya	Ist Year	Hydrophilic protein simulation and applications	Dr Ambuja Jaiswal
103.	Zainab Mohamed Firoz	Ist Year	Hydrophilic protein simulation and applications	Dr Ambuja Jaiswal
104.	Rajdeep Kaur	M.Sc. Physics Delhi University, Ist Year	Face Recognition using Gabor Filter and Principal Component Analysis	Dr Sonam Singh