

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur



A Report

on

Three Day Student Workshop On Virtual Physics Lab

(March 21-23, 2024)

Organized by

Department of Physics, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

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1. Objective and Outcome of the event

Objective of this workshop:

- To provide remote-access to simulation-based Labs in various disciplines of Science and Engineering.
- To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students/ teachers can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.

Outcomes of this workshop:

This workshop will be very helpful for those students, who have just started their study at graduate level in science and engineering stream and they want to explore and correlate their theoretical knowledge with practical approach. The workshop will create practical skills well as help the students to develop new understanding, improve the approaches in the laboratory, and will sharpen their power of observations.

2. Approval Letter of the Event



Swami Keshvanand Institute of Technology, Management & Gramothan Department of Physics

Date: 31/05/2023

Note

Following Proposals for Workshop/Seminar/Conference/STTP/FDP/Expert Lecture/Project Exhibition are being submitted for your kind approval.

S. No	. Types of Event	Title of Event	Mode of Conduction	Tentative Dates	Name of Coordinator(s)	Any collaboration	Budget Required
1.	Workshop on Virtual Physics Lab (For B. Tech Students)	Student Workshop	Offline	23-25 Nov., 2023 (Three Days)	Mr. Rajiv Kumar Mr. Pawan Kr. Jain	- :	4000
· 2.	Learning Physics through Hands on Experiment	Student Workshop	Offline	15-16 Dec., 2023 (Two Days)	Mr. Pawan Kr. Jain Dr. Ajay Kr.Sharma		10000
_3.	Experi Lecture	Expert Lecture	Offline	Any Suitable date in NovDec., 2023	Dr. B. R. Sharma Dr. Ajay Kr.Sharma		3000
3.	FDP on imparting Outcome Based Education (OBE) in Engineering	FDP	Hybrid	16-20 Jan., 2024 (Five Days)	Dr. Rishi Vyas Dr. Manasvi Dixit		15000
4.	Virtual Physics Lab (For B. Tech. Students)	Student Workshop	Offline	(15-17Feb., 2024 (Three Days)	Dr. Komal Sharma Dr. Manasvi Dixit	<u> </u>	4000
5 .	Expert Lecture	Expert Lecture	Offline	Any Suitable date in Feb March 2024	Dr. Komal Sharma Dr. B. R. Sharma		3000
5.	Workshop on Marvels of Physics	Student Workshop	Offline	15-16 March, 2024 (Two Days)	Dr. Rishi Vyas Mr. Rajiv Kumar		5000

yes, Approved Nukely.

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Dr. B.R. Sharma Head, Department of Physics

4

Notice of the event



Swami Keshvanand Institute of Technology, Management & Gramothan Ramnagaria, Jagatpura, Jaipur - 302017

SKIT/B.Tech. I Year/2023-24/31

Date: 20.03.2024

NOTICE

A Three -day student workshop on "Virtual Physics Lab" is being organized by the Department of Physics from March 21-23, 2024 at 12:30-1:30 pm in J C Bose auditorium.

The following sections will attend the workshop:

Sr. No	Date	Sections
1	21-03-2024	J, K1, M2, N
2	22-03-2024	L1, O1, P
3	23-03-2024	Q, R

HOD Physics

Copy to - ERP Cell

3. Poster of the Event



4. Schedule of the Event

Schedule of Workshop on "Virtual Physics Lab (21-23 March, 2024)"

Time	Date	Event
12:30 PM-	Thursday, 21 March 2024	Introduction of the Event and
1:30 PM		Explanation of Newton Ring and
		Michelson Interferometer
		experiment by Virtual Physics Lab
		Mr. Pawan Kumar Jain
		Assistant Professor
		Physics Department, SKIT. Jaipur
12:30 PM-	Friday, 22 March 2024	Explanation of Michelson
1:30 PM		Interferometer and Plane diffraction
		grating experiment by Virtual
		Physics Lab
		Mr. Rajiv Kumar
		Associate Professor
		Physics Department, SKIT. Jaipur
12:30 PM-	Saturday, 23 March 2024	Explanation of Michelson
1:30 PM		Interferometer, Plane Diffraction
		Grating experiment by Virtual
		Physics Lab
		Mr. Pawan Kumar Jain
		Assistant Professor
		Physics Department, SKIT. Jaipur

5. List of Participants

Swami Keshvanand Institute of Technology, Management & Gramothan

Department of Physics

Student Workshop on Virtual Physics Lab (21 - 23, March 2024)

Attendance Sheet

Attend		

erial No	Roll No.	Branch (Section)	Student Name	SIGN
1	23ESKEE001	EE(Q)	Abhay Pratap Singh Bhati	A.P. Singh
2	23ESKEE002	EE(Q)	Abhishek	
3	23ESKEE003	EE(Q)	Abhishek Sharma	Aphinheld
4	23ESKEE004	EE(Q)	Aditya Gupta	-
5	23ESKEE005	EE(Q)	Aditya Vijay	_
6	23ESKEE006	EE(Q)	Akhil Khandelwal	Alehis
7	23ESKEE007	EE(Q)	Akshita Agarwal	Constitution of the Consti
	23ESKEE007	EE(Q)	Anniol Soni	_
8		ΕΕ(Q)	Aryan Soni	Southern
9	23ESKEE009	EE(Q)	Aryan Yadav	Amon Yadar
10	23ESKEE010	stern that applicable are not a set of a set of a	Ashish Kumar Chugh	1482
11	23ESKEE011	EE(Q)	Ashok Kumar	
12	23ESKEE012	EE(Q)		_
13	23ESKEE013	EE(Q)	Avdesh Sharma	616
14	23ESKEE014	EE(Q)	AN CONTRACTOR OF THE CONTRACTO	(Kabicasari
15	23ESKEE015	EE(Q)	Bhumika Khatri	
16	23ESKEE016	EE(Q)	Brajesh Kumar Saini	a de la companya de l
17	23ESKEE017	EE(Q)	Chhavi Panwar	Chilo Pass.
18	23ESKEE018	EE(Q)	Darshan Jangid	Dayshar
19	23ESKEE019	EE(Q)		
20	23ESKEE020	EE(Q) 7	Deepak Choudhary	Deepak
21	23ESKEE021	EE(Q) 4-12	Deepanshu Suleja	
22	23ESKEE022	EE(Q)	Dev Kashyap	Hu-Kaell
23	23ESKEE023	EE(Q)	Devanshu Kumar	Devanshuk.
	23ESKEE024	EE(Q)	Dhruy Sharma	
24	23ESKEE025	EE(Q)	Diwakar	
25		EE(Q)	a had	-
26	23ESKEE026	EE(Q)		_
27	23ESKEE027		2/47	
28	23ESKEE028	EE(Q)		Harsh
29	23ESKEE029	CE SAME STORY		Many Mordher Sirah
30	23ESKEE030	EE(Q)	2-1	Harshit Paritar
31	23ESKEE031	EE(Q)	Harshit Suman	Harshit.
32	23ESKEE032			More
33	23ESKEE033	EE(Q)	937	11-11-11
34	23ESKEE034	EE(Q)	THE STATE OF THE S	- X
35	23ESKEE035	EE(Q)	Himmanshu	
36	23ESKEE036	EE(Q)	Jitendra Choudhary	
37	23ESKEE037	EE(Q)	Jitendra Prajapat	
38	23ESKEE038	EE(Q)	Jitesh Kumawat	
39		EE(Q)		14.4).1810
40		EE(Q)		Jachish
41		EE(Q)	Lokesh Soni	
		EE(Q)	Luv Kumar	_
42		EE(Q)	Mayank Yadav	_
43		EE(Q)	Megha Sharma	-
44		EE(Q)	Mohit Choudhary	MONT.
45	23ESKEE045	司法是安全的 大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大	NEW TOTAL STREET	Mohit_

47	23ESKEE047	EE(Q)	Nakul Jain	_
48	23ESKEE048	EE(Q)	Nishank Choudhary	
49	23ESKEE049	EE(Q)	Nitesh Kumar	A Kina
50	23ESKEE050	EE(Q)	Ojal Singh	OB.
51	23ESKEE051	EE(Q)	Pahal Bhatt	R)
52	23ESKEE052	EE(Q)	Pawan Bairwa	Payon.
53	23ESKEE053	EE(Q)	Piyush Kumawat	Pin-Co
54	23ESKEE054	EE(Q)	Pradeep Singh Rajawat	Pradoop
55	23ESKEE055	EE(Q)	Praket Kulhari	Pube-
56	23ESKEE056	EE(Q)	Pratyush Kulhari	Right
57	23ESKEE057	EE(Q)	Pulkit Sharma	
58	23ESKEE058	EE(Q)	Punit Kumar	Parit
59	23ESKEE059	EE(Q)	Rahul Kumar Meena	1
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Swami Keshvanand Institute of Technology, Management & Gramothan

Department of Physics
Student Workshop on Virtual Physics Lab (21 - 23, March 2024)
Attendance Sheet

Serial No	Roll No.	Branch (Section)	Student Name	SIGN
1	23ESKEC001	ECE(P)	Aastha Sharma	Aastra
2	23ESKEC002	ECE(P)	Aayush Jha	Amyra
3	23ESKEC003	ECE(P)	Abhimanyu Singh Rathore	
4	23ESKEC004	ECE(P)	Abhishek Prajapat	Lhisher
5	23ESKEC005	ECE(P)	Aditi Tripathi	
6	23ESKEC006	ECE(P)	Aditya Kumar Singh	Aditya
7	23ESKEC007	ECE(P)	Aditya Singh	A ingly
8	23ESKEC008	ECE(P)	Adityavardhan Singh Rajawat	A CONT
9	23ESKEC009	ECE(P)	Akansha Singhal	otkanish
10	23ESKEC010	ECE(P)	Aman Agarwal	Amos
11	23ESKEC011	ECE(P)	Aman Bansal	<u></u>
12	23ESKEC012	ECE(P)	Amit Verma	Amit Verma
13	23ESKEC013	ECE(P)	Angad Kumar	dygool
14	23ESKEC014	ECE(P)	Aniket Raj	day
15	23ESKEC015	ECE(P)	Annus Khan	Anus
16	23ESKEC016	ECE(P)	Aradhya Gupta	<u> </u>
17	23ESKEC017	ECE(P)	Arnav Gaur	donav
18	23ESKEC018	ECE(P)	Ashwin Sharma	
19	23ESKEC019	ECE(P)	Ayushi Sonkhiya	daynam,
20	23ESKEC020	ECE(P)	Badal Choudhary	0,-
21	23ESKEC021	ECE(P)	Bhavesh Kumar Khatri	Course
22	23ESKEC022	ECE(P)	Bhumi Khandelwal	Bhyshi
23	23ESKEC023	ECE(P)	Bhumi Porwal	
24	23ESKEC024	ECE(P)	Chahat Shrimali	Chahat
25	23ESKEC025	ECE(P)	Chetan Mudgal	
26	23ESKEC027	ECE(P)	Chirag Agarwal	DIRAM
27	23ESKEC028	ECE(P)	Chirag Vijay	chinag
28	23ESKEC029	ECE(P)	Deepansh Khandelwal	Deépansi
29	23ESKEC030	ECE(P)	Dev Gurjar	Deve
30	23ESKEC031	ECE(P)	Dev Patodia	THE STATE OF THE S
31	23ESKEC032	ECE(P)	Dhruv Rathore	Phatis
32	23ESKEC033	ECE(P)	Divyam Singh Chheepa	Olsigh
33	23ESKEC034	ECE(P)	Divyanshu Kumawat	Divyansho
34	23ESKEC035	ECE(P)	Gaurav Singh Shekhawat	(nawow)
35	23ESKEC036	ECE(P)	Gopal Tiwari	Sthoon
36	23ESKEC037	ECE(P)	Harsh Kumar	Harsh.
37	23ESKEC037	ECE(P)	Harshit Swami	Harner Sname
38	23ESKEC039	ECE(P)	Himanshu Choudhary	हिमान्ये चरियी
-	23ESKEC039 23ESKEC040	ECE(P)	Himanshu Pareta	1.000
39		The state of the s	Hiral Bhargava	Huval .
40	23ESKEC041	ECE(P)		Ourse,
41	23ESKEC042	ECE(R)	Hunny Gupta	alleres
	23ESKEC043	ECE(P)	Kanhaiya Gupta	Kanishka
-	23ESKEC044	ECE(P)	KANISHKA JAIN	
44	23ESKEC045	ECE(P)	Karan Bagra	Xonan
45	23ESKEC046	ECE(P)	Kashak Joshi	Karhate
46	23ESKEC047	ECE(P)	Keshav Gupta	KRYLOW

47	23ESKEC048	ECE(P)	Keshav Soni	gestrast
48	23ESKEC049	ECE(P)	Kuldeep Tinker	Kuldelp
49	23ESKEC050	ECE(P)	Lakshita Dhaked	Lakshitd.
50	23ESKEC051	ECE(P)	Love Kumar Bansal	live
51	23ESKEC052	ECE(P)	Mahak Kanwar	Johan
52	23ESKEC053	ECE(P)	Manas Gupta	Ph.
53	23ESKEC054	ECE(P)	Mayank Charan	Mayank Chanax
54	23ESKEC055	ECE(P)	Mayank Sharma	pierynde
55	23ESKEC056	ECE(P)	Maytri Singh Ahluwalia	Charten
56	23ESKEC057	ECE(P)	Mo Yunus	No Lunus
57	23ESKEC058	ECE(P)	Mudita Saini	Qualita
58	23ESKEC059	ECE(P)	Nainika Agrawal	Nair
59	23ESKEC060	ECE(P)	Naman Balana	Namara
60	23ESKEC061	ECE(P)	Naveen Dhanka	Novem
61	23ESKEC062	ECE(P)	Nishchal Goyal	(N) ishchel
62	23ESKEC063	ECE(P)	Nitin Kumar Meena	Nitt
63	3 23ESKEC064	e CE(P)	Paridhi Kabra	PARIDHI "
64	23ESKEC065	ECE(P)	Parth Chouhan	Parth chouhan
65	23ESKEC066	ECE(P)	Prabhav Sharma	

Swami Keshvanand Institute of Technology,

Management & Gramothan

Department of Physics

Student Workshop on Virtual Physics Lab (21 - 23, March 2024)

Attendance Sheet

Serial No	Roll No.	Branch (Section)	Student Name	SIGN
Seriai No	23ESKCS850	10T(0)	YASH MORWAL	is are.
2	23ESKCY001	1OT(O)	Aayush Sankhla	0.4
3	23ESKCY002	IOT(O)	Abhay Sharma	Althou
4	23ESKCY003	IOT(O)	Akshit Kumar Saini	
5	23ESKCY004	IOT(O)	Ali Hassan	grassan
6	23ESKCY005	IOT(O)	Aman Bairwa	Aman 2027 -
7	23ESKCY006	IOT(0)	Animesh Bhuria	Stust .
8	23ESKCY007	IOT(O)	Arvind Jangir	Arrina.
9	23ESKCY008	IOT(O)	Aryan Singh	8-
10	23ESKCY009	IOT(O)	Atharva Khandal	and .
11	23ESKCY010	IOT(O)	Atishay Jain	ALMENT
12	23ESKCY011	IOT(O)	Ayesha Agarwal	40000
13	23ESKCY012	IOT(O)	Chirag Sharma	Chigrag
14	23ESKCY013	IOT(O)	Devansh Sharma	Devente
15	23ESKCY014	10T(0)	Dhruv Garg	hoiley
16	23ESKCY015	IOT(O)	Eshan Rathore	Erlan
17	23ESKCY016	IOT(O)	Garvit Agarwal	
18	23ESKCY017	IOT(O)	Gaurav Gupta	gowerar.
19	23ESKCY018	IOT(O)	Gaurav Singh	
	23ESKCY019	IOT(O)	Gautam Rajpurohit	La gon
	23ESKCY020	10T(0)	Harsh Pratap Singh Parmar	
	23ESKCY021	IOT(O)	Isha Agrawal	
	23ESKCY023	1OT(O)	Kripendra Singh	Riferdin
	23ESKCY024	IOT(O)	Krishna Awasthi	_
	23ESKCY025	IOT(O)	Krishna Jangir	_
	23ESKCY026	IOT(O)	Kushal Kumar	_
	23ESKCY027	IOT(O)	Lakshya Jain	dakehira
	23ESKCY028	IOT(O)	Manish Sain	narish
	23ESKCY029	NEW PROPERTY AND THE COMMENT WILLIAM AND AND AND AND ADDRESS OF THE PERSON OF THE PERS	Manvendra Singh Parihar	MS:P
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Department of Physics
Student Workshop on Virtual Physics Lab (21 - 23, March 2024)
Attendance Sheet

erial No	Roll No.	Branch (Section)	Student Name	SIGN
1	23ESK1T128	IT(N)	Priya Thalor	1/2 - Kin -
2	23ESKIT129	=IT(N)	Priyanka	Triganto
3	23ESKIT130	lT(N)	Priyansh Singh Rathore	Join.
4	23ESKIT131	lT(N)	Raghvi Agarwal	highw
5	23ESKIT132	IT(N)	Rahul Choudhary	Rehal
6	23ESKIT133	IT(N)	Rahul Saini	Roberts
7	23ESKIT134	IT(N)	Rakhi Parwani	(Raklu
8	23ESKIT135	IT(N)	Rehanshi Gupta	Reponshi Crupta
9	23ESKIT136	IT(N)	Riddhika Goyal	0000
10	23ESKIT137	iT(N)	Rishita Bohra	Rishita
11	23ESKIT138	IT(N)	Rishita Gupta	Rishot.
12	23ESKIT139	IT(N)	Rohit Saini	Rohit.
13	23ESKIT140	IT(N)	Rounak Jain	Round
14	23ESKIT141	IT(N)	Ruchika Sharma	Suhika sharma.
15	23ESKIT142	IT(N)	Rudraksh Sharma	Rudrapido
16	23ESKIT143	iT(N)	Sachin Sahu	studie Dany
17	23ESKIT144	IT(N)	Sahil Verma	Qto-
18	23ESKIT145	IT(N)	Saksham Mehta	(end
19	23ESKIT146	IT(N)	Sakshi Swami	Bakble
20	23ESKIT147	IT(N)	Saloni Suthar	8 2/96
21	23ESKIT148	IT(N)	2	Setzh AN:
22	23ESKIT149	IT(N)		Sauthella
23	23ESKIT150	iT(N)	Sandesh Gupta	Sandreh
24	23ESKIT150	iT(N)	Sanskriti Agarwal	Cake it of the
		To the second control of the second control	Sarthak Dhamija	Earth Handle
25	23ESKIT152	IT(N)	13	2 umva
26	23ESKIT153	JT(N)	Saumya Arora	saumya.
27	23ESKIT154	IT(N)	Saumya Goyal	(3)
28	23ESKIT155	IT(N)	Shikha Kushwaha	Bently.
29	23ESKIT156	IT(N)	Shivansh Ajmera	Shinama
30	23ESKIT157	IT(N)	Shlok Nandwana	907
31	23ESKIT158	IT(N)	Shreya Khandelwal	Shreye
32	23ESKIT159	IT(N)	Shreya Shrivastav	Shreija.
33	23ESKIT160	IT(N)	Shristi Patel	Shastifatel
34	23ESKIT161	IT(N)	Shruti Gupta	Churt
35	23ESKIT162	IT(N)	1217	SHIPHAM
36	23ESKIT163	IT(N)	Shubhang Sharma	Dinto havy
37	23ESKIT164	IT(N)	Sirvi Bharat Achalaram	Bhureck
38	23ESKIT165	IT(N)	Sneha Kumawat	Sneha
39	23ESKIT166	JT(N)	Somya Temani	
40	23ESKIT167	THE RESERVE OF THE PERSON OF T		(Damya
		IT(N)	Subhash Saran	Subhareles
41	23ESKIT169	IT(N)	Suffiyan Khan	Sulfint
42	23ESKIT170	IT(N)	Sumit Saini	Just.
43	23ESKIT171	IT(N)	Tanisha Mangal	tanisha
44	23ESKIT172	JT(N)	Tanisha Saini	Jantsus_
45	23ESKIT173	IT(N)	Tanishka Jagetiya	tamina
46	23ESKIT174	IT(N)	Tanmay Gautam	Tanusau

47	23ESKIT175	IT(N)	Tanmay Khatri	Khalija
48	23ESKIT176	IT(N)	Tanmay Malhotra	"tage"
49	23ESKIT177	IT(N)	Trivendra Singh	1 Hueunia
50	23ESKIT178	IT(N)	Ujjawal Kumar	OTANA KUNAR
51	23ESKIT179	IT(N)	Ujjawal Ranjan	Willamja
52	23ESKIT180	IT(N)	Vaibhav Soni	Volland
53	23ESKIT181	IT(N)	Vanshika Agarwal	Manulika
54	23ESKIT182	lT(N)	Vanshika Singh Chauhan	Nanshika
55	23ESKIT183	IT(N)	Vasudev Pareek	Variba
56	23ESKIT184	IT(N)	Vikas Kumhar	Vilpas
57	23ESKIT185	IT(N)	Vinay Mohan Sharma	- Steats
58	23ESKIT186	IT(N)	Vrinda Khandelwal	the
59	23ESKIT187	IT(N)	Yash Goyal	Yestr
60	23ESKIT188	IT(N)	Yugal Jain	4
61	23ESKIT189	; IT(N)	Yuvraj Singh	June -
62	23ESKIT190	lT(N)	Yuvraj Singh Chouhan	July
63	23ESKIT191	IT(N)	Cheshta Agarwal	1

Swami Keshvanand Institute of Technology, **Management & Gramothan**

Department of Physics Student Workshop on Virtual Physics Lab (21 - 23, March 2024)

Attend	ance	Shee	t

Serial No		Branch (Section)	Student Name	SIGN
1	23ESKIT095	IT(M)	Manas Gupta	-
2	23ESK1T096	it(M)	Manas Kumar Jha	Manas kuman The
3	23ESKIT097	IT(M)	Manish Godara	
4	23ESKIT098	IT(M)	Manish Kumar	Month
5	23ESKIT099	IT(M)	Manoj	Manoj
6	23ESKIT100	IT(M)	Maya Sharma	· · · · · · · · · · · · · · · · · · ·
7	23ESKIT101	IT(M)	Mayank Kumar	Mayasharma
8	23ESKIT102	IT(M)	Meghansh Kumar	meghansh
9	23ESKIT103	(IT(M)	Mehul Dangda	and
10	23ESKIT104	IT(M)	Mohit Jangid	1//
11	23ESKIT105	IT(M)	Mohit Khandelwal	Mohit
12	23ESKIT106	IT(M)	Mohit Sharma	Mohit
13	23ESKIT107	IT(M)	Naveen Shekhawat	(Mikeu)
14	23ESKIT108	IT(M)	Nikhil Agarwal	Havery
15	23ESKIT109	IT(M)	Nirali Chipad	NiKhil
16	23ESKIT110	IT(M)	Nishchay Jain	Nisroli
17	23ESKIT111	IT(M)	Nitin Singh	Nischay.
18	23ESKIT112	IT(M)	Nivya Mangal	Nitin
19	23ESKIT113	IT(M)	Palchin Jain	Nivya
20	23ESKIT114	IT(M)		Palchin
21 2	3ESKIT115	IT(M)	Pankaj Prajapat	Tamber
22 2	3ESKIT116	IT(M)	Paramdeep Singh Chopra Paras	- 3
	23ESKIT117	IT(M)	Parth Dadhich	& Brees
	23ESKIT118	IT(M)	Payal	farono.
	23ESKIT119	IT(M)	Payas Vijay	Fayad
26	23ESKIT120	IT(M)	Piyush Gautam	Payos
27	23ESKIT121	IT(M)	Piyush Kumar Ram	Piyus Crauton
29	23ESKIT122	IT(M)	Piyush Singhal	Our Cell Com
30	23ESKIT123	IT(M)	Prakhar Khatri	Pryme
31	23ESKIT124	IT(M)	Pranay Vaidh	Perakhar Karatri
32	23ESKIT125	r IT(M)	Pranjal Sharma	Polamail
33	23ESKIT126	IT(M)	Pratham Agrawal	Pranja
	23ESKIT127	IT(M)	Pratik Raj	Prama
		The state of the s	Kaj	Peratikeai
	1.4.40.00			The state of

Swami Keshvanand Institute of Technology, Management & Gramothan Department of Physics Student Workshop on Virtual Physics Lab (21 - 23, March 2024)



	Attend	ance	She	et
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Serial No		Branch (Section)	Student Name	SIGN
1	23ESKCA066	AI(K)	Manish Saini	Marille
2	23ESKCA067	AI(K)	Manthan Maheshwari	Marts
3	23ESKCA068	AI(K)	Mohd Nomaan	nowwas
4	23ESKCA069	AI(K)	Narendra Choudhary	Novembra
5	23ESKCA070	AI(K)	Nehal Bakliwal	Novembra
6	23ESKCA071	AI(K)	Nikhil Baswal	NiKhil
7	23ESKCA072	AI(K)	Nikhil Choudhary	Mikhil-
8	23ESKCA073	AI(K)	Nishchal M Jain	Nishit Singhal
9	23ESKCA074	AI(K)	Nishit Singhal	Militar
10	23ESKCA075	AI(K)	Nishul Mehta	Nishit Singhal
11	23ESKCA076	Al(K)	Nitin Jangir	N. Sart
12	23ESKCA077	AI(K)	Niyukti Singh Janu	Digital
13	23ESKCA078	AI(K)	Omendra Singh	
14	23ESKCA079	AI(K)	Parveen Kumar	Puly
15	23ESKCA080	AI(K)	Pawan Kumar Tatiwal	Pawan
16	23ESKCA081	AI(K)	Payal Kanwar	Payal
17	23ESKCA082	AI(K)	Prakhar Gautam	
18	23ESKCA083	AI(K)	Prakhar Kumar	
19	23ESKCA084	AI(K)	Pranjal Jain	0. 11
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22 2	23ESKCA087		Rajnish Kumar Patel	Ray
23	23ESKCA088	reducing the state of the state of the state of	Ritvik Jolia	
24	23ESKCA089	AI(K)	Riya Aggarwal	7/19
25	23ESKCA090	AI(K)	Rounak Varecha	Bound
26	23ESKCA091	AI(K)	Rudra Pratap Singh	Kurtsa Single
27	23ESKCA092	AI(K)	Sahil Kumar	Sahil Kumare
28	23ESKCA093	AI(K)	Sahil Rewar	Ravil
29	23ESKCA094	AI(K)	Sajal Bansal	
30	23ESKCA095	AI(K)	Saksham Mathur	Salesham
31	23ESKCA096	AI(K)	Sandeep Kumar Saini	Seindrep

Swami Keshvanand Institute of Technology, Management & Gramothan

Department of Physics
Student Workshop on Virtual Physics Lab (21 - 23, March 2024)

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	Attend	ance	Sheet

erial No	Roll No.	Branch (Section)	Student Name	SIGN
erial No	23ESKCA001	AI(J)	Aaryan Singh	Hornand
2	23ESKCA002	AI(J)	Abhinav Sharma	Abhinask
3	23ESKCA003	A)(J)	Aditi Agrawal	Adua
4	23ESKCA004	(L)IA	Aditya Singh	Adim
5	23ESKCA005	AI(J)	Ajay Singh Rathore	Mayst
6	23ESKCA006	AI(J)	Akash Sharma	Mash
7	23ESKCA007	A1(J)	Aman Sharma	Anna
8	23ESKCA008	AI(J)	Aman Verma	Amant
9	23ESKCA009	AI(J)	Anish Sharma	Anish
10	23ESKCA010	Al(J)	Anjali Choudhary	Myale
11	23ESKCA011	AI(J)	Anjali Devi	ANJALI
12	23ESKCA012	AI(J)	Anjaneya Sharma	
13	23ESKCA013	Al(J)	Ankush Malav	et toward
14	23ESKCA014	AI(J)	Anshu Dhattarwal	Anshu
15	23ESKCA015	-AI(J)	Apoorv Tiwari	Appon
16	23ESKCA016	AI(J)	Arjun Bhardwaj	Niger
17	23ESKCA017	AI(J)	Arjun Gautam	Arjuntam
18	23ESKCA018	AI(J)	Arpita Chandra	Aufita
19	23ESKCA019	AI(J)	Arun Sharma	a Cours
20	23ESKCA020	AI(J)	Aryan	950
21	23ESKCA021	Al(J)	Aryansh Agarwal	Doyant?
22	23ESKCA022	Al(J)	Ashish Sharma	khal
23	23ESKCA023	AI(J)	Ashutosh Gupta	1. Aluton
24	23ESKCA024	AI(J)	Asim Ashrafi	A Dung
25	23ESKCA025	AI(J)	Avani Shrimali	Asistary
26	23ESKCA026	AI(J)	Bharat Solanki	Sharat
27	23ESKCA027	Al(J)	Bhavya Saraswat	tavyos_
28	23ESKCA028	AI(J)	Chahat Soni	chahat
29	23ESKCA029	Al(J)	Chaitanya Sharma	Craidma
30	23ESKCA030	AI(J)	Chandan	Charge
31	23ESKCA031	AI(J)	Chetan Singh	duta
32	23ESKCA032	A(J)	Daksh Gautam	Halis.
33	23ESKCA033	ĀI(J)	Darshika Tank	Sarshile.
34	23ESKCA034	AI(J)	Deepak Kumar Saini	- relac
35	23ESKCA035	AI(J)	Dev Khandelwal	ten pa.
36	23ESKCA036	Al(i)	Dey Tak	Dutin.
37	23ESKCA037	AI(J)	Dhruv Vij	Dhew vit
38	23ESKCA038	AI(I)	Divisha Manak Bohra	Divistre
39	23ESKCA039	Al(J)	Divyanshu Dayal	Nuyar
40	23ESKCA040	- AI(J)	Diya Vaswani	Dilla
41	23ESKCA041	AI(I)	Eklavya Gupta	Glange
42	23ESKCA042	Al(J)	Eshna Sharma	
		AI(J)	Falaasha Nothalia	Telev
43	23ESKCA043	AI(J)	Gagan Sharma	hogant
44	23ESKCA044	AI(J)	Garvit Agrawal	Garvit.
45	23ESKCA045		Gouray Ameriya	
46	23ESKCA046	AllI	1	Tanas

47	23ESKCA047	AI(J)	Harish Jakhar	Horisht
48	23ESKCA048	Al(J)	Harsh Vardhan Kharol	Havstwardhen chard
49	23ESKCA049	Al(J)	Harshit Goyal	- House
50	23ESKCA050	AI(J)	Harshit Sharma	Mashit
51	23ESKCA051	AI(J)	Hemant Vijayvargiya	- Hemant Hoi
52	23ESKCA052	AI(J)	Himansh Pant	Herris
53	23ESKCA053	Al(J)	Himanshu Jain	Himan
54	23ESKCA054	Al(J)	Hitesh Singal	(Detest)
55	23ESKCA055	Al(J)	Jai Pal	3.
56	23ESKCA056	AI(J)	Jaspinder Singh	Ampel Sh
57	23ESKCA057	AI(J)	Jatin Khandelwal	Jabia
58	23ESKCA058	AI(J)	Jatin R Jangir	300
59	23ESKCA059	Al(J)	Kanika Agarwal	Land
60	23ESKCA060	Al(J)	Kanishk Garg	Kanishchas
61	23ESKCA061	AI(J)	Kirti Kumar	With.
62	23ESKCA062	AI(J)	Krishnanand Joshi	toishna
63	23ESKCA063	Al(J)	Kushal Rathore	Tyshaf
64	23ESKCA064	AI(J)	Lakshya Kumar Rathor	Com
65	23ESKCA065	A!(J)	Manan Sharma	hillian

Swami Keshvanand Institute of Technology, Management & Gramothan

Department of Physics
Student Workshop on Virtual Physics Lab (21 - 23, March 2024)
Attendance Sheet

rial No	Roll No.	Branch (Section)	Student Name	SIGN
1	23ESKIT001	AI(L)	Aaditya Singh Naruka	Adilyo
2	23ESKIT003	AI(L)	Aarohi Mathur	Down.
3	23ESK1T004	Al(L)	Abhinav Goyal	
4	23ESK1T005	AI(L)	ABHISAR SHARMA	Alohisase
5	23ESK1T006	Al(L)	Abhishek Mangal	Afficient Luyar
6	23ESKIT007	AI(L)	Abhishek Soni	
7	23ESKIT008	AI(L)	Abhishree Vijay	Abhishyglay
8	23ESKIT009	AI(L)	Aditya Garg	Adition
9	23ESKIT010	AI(L)	Aditya Gupta	
10	23ESKIT011	AI(L)	Aditya Jatav	Advigen
11	23ESKIT012	ÁI(L)		Adtis
12	23ESKIT013	AI(L)	Aditya Sharma	Astua
13	23ESKIT014	AI(L)	Ajay Kumar Kumawat	Alay
14	23ESKIT015	AI(L)	Akshat Jain	Alwart
15	23ESKIT016	AI(L)	Akshay Sharma	Albei
	23ESKIT017	AI(L)	Alfez Khan	Alfez
16		10.00	Aniray Sharma	
17	23ESKIT018	AI(L)		Anir
18	23ESKIT019	AI(L)	Ankit Kumar	
19	23ESKIT020	AI(L)	Ankit Tanwar	ANA
20	23ESKIT021	AI(L)	Anushri Jain	Anusheri Jain
21	23ESKIT022	AI(L)	ARJUN KUMAR	
22	23ESKIT023	Al(L)	Arpit Podia	
23	23ESKIT024	AI(L)	Arpita Vijayvergiya	Asepita Brushi
24	23ESKIT025	AI(L)	Arushi Khatri	
25		Al(L)	Ashiv Kumar Nagar	Ashir
26	23ESKIT027	AI(L)	Ashmit Mathur	Ashmit
27	23ESKIT028	AI(L)	Atul Kumar	Detector
28	23ESKIT029	AI(L)	Ayush Pancholi	#
29	23ESKIT030	^ AI(L)	Ayush Saini	Ayush
30	23ESKIT031	Al(L)	Ayush Sharma	AUSTON
3:	23ESKIT032	AI(L)	Babul Singh	Boom
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Swami Keshvanand Institute of Technology, Management & Gramothan Department of Physics Student Workshop on Virtual Physics Lab (21 - 23, March 2024) Attendance Sheet

Serial No	Roll No.	Branch (Section)		SIGN
1	23ESKEC067	ECE(R)	Prakhar Jain	
2	23ESKEC068	ECE(R)	Praveen Singh	
3	23ESKEC069	ECE(R)	Priyanshu Lohmi	popul
4	23ESKEC070	ECE(R)	Rahul Kushwah	7-
5	23ESKEC071	ECE(R)	Rajvardhan Singh	_
6	23ESKEC072	ECE(R)	Rupal Choudhary	_
7	23ESKEC073	ECE(R)	Sameer Kothari	_
8	23ESKEC074	ECE(R)	Samik Choudhary	
9	23ESKEC075	ECE(R)	Samyak Jain	
10	23ESKEC076	ECE(R)	Saril:a Goyal	_
11	23ESKEC077	ECE(R)	Sharad Singhal	_
12	23ESKEC078	ECE(R)	Shipra Pal	_
13	23ESKEC079	ECE(R)	Shivam Kumar	_
14	23ESKEC080	ECE(R)	Shreyansh Sharma	_
15	23ESKEC081	ECE(R)	Shubham	_
16	23ESKEC081	ECE(R)	Souray Pilania	
		ECE(R)	Suhana Bhati	1 In
17	23ESKEC083	ECE(R)	Sujal Kumawat	
18	23ESKEC084	ECE(R)	Sumit Kumar Dixit	
19	23ESKEC085	ECE(R)	Tanuj Gupta	_
20	23ESKEC086	THE RESIDENCE OF THE PROPERTY	Ujjwal Sharma	_
21	23ESKEC087	ECE(R)	Utkarsh Jindal	
22	23ESKEC088	ECE(R)	Vaibhav Sharma	
23	23ESKEC089	ECE(R)	NY .	
24	23ESKEC090	ECE(R)	Vinay Sharma	
25	23ESKEC091	ECE(R)	Vishwas Sharma	
26	23ESKEC092	ECE(R)	Yash Mangal	
27	23ESKEC093	ECE(R)	Yash Mehra	
28	23ESKEC094	ECE(R)	Yogita Keswani	
29	23ESKEC095	ECE(R)	Yuvika Singodia	- Charlest
30	23ESKEE061	EE(R)	Raj Katara	1
31	23ESKEE062	EE(R)	Raman Jangir	Ramar agir
32	23ESKEE063	EE(R)	Rohit Parihar	Freur pullely
33	23ESKEE064	EE(R)	Sachin Choudhary	S. choudhary
34	23ESKEE065	EE(R)	Sachin Poonia	
35	23ESKEE066	EE(R)	Sadaf Khan	Skree
36	23ESKEE067	EE(R)	Sahil Choudhary	Source Contraction
37	23ESKEE068	EE(R)	SAHIL SINGH	_
38	23ESKEE069	EE(R)	Saksham Jain	for the same of th
39	23ESKEE070	EE(R)	Saksham Sharma	Bakeshe >
40	23ESKEE071	EE(R)	Sakshi Singh	
	23ESKEE072	EE(R)	Shashikant	
41		AND RESTRICT OF PARTY AND ADDRESS OF THE PARTY	Shaurya Shah	buyour
42	23ESKEE073	EE(R)	The second secon	
43	23ESKEE074	EE(R)	Shivam Jangid	
44	23ESKEE075	EE(R)	Shivendra Singh Parmar	11 11 211
45	23ESKEE076	EE(B);		Shubham
46	23ESKEE077	EE(R)	Sneha Burdack	Sueha

47	23ESKEE079	EE(R)	Sourabh Poonia	
48	23ESKEE080	EE(R)	Sparsh Rastogi	oly a resp
49	23ESKEE081	EE(R)	Srishti Gupta	Opto
50	23ESKEE082	EE(R)	Subhan Ahmed	
51	23ESKEE083	EE(R)	Sumit Prajapat	
52	23ESKEE084	EE(R)	Tanishk Yadav	_
53	23ESKEE085	EE(R)	Udai Singh	Udai
54	23ESKEE086	EE(R)	Ujjawal Pushp	
55	23ESKEE087	EE(R)	Updesh Jangid	whath'
56	23ESKEE088	EE(R)	Vikash Junjadiya	
57	23ESKEE089	EE(R)	Vishakha Sharma	ghaymar.
58	23ESKEE090	EE(R)	Vishal Yadav	_
59	23ESKEE091	EE(R)	Vivek Rathore	_
60	23ESKEE092	EE(R)	Yash Gwalani	
61	23ESKEE093	EE(R)	Yuvraj Singh Shekhawat	
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Swami Keshvanand Institute of Technology,

Management & Gramothan

Extra Students

Department of Physics
Student Workshop on Virtual Physics Lab (21 - 23, March 2024)
Attendance Sheet

Serial No	Roll No.	Branch (Section)	Student Name	SIGN
1	47-RIU	ME (I)	Sauraloh Sharma	Salvaba
2	23ESKCE06+	CE (H)	Mond Tabish Siddigin	
3	23ESKCEO66	CE(H)	Mond Shaffa	Shape
4	E-17	(3) 2 C.	Ayush chahar	Pylles
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Photographs of the Event



Three-Day Student Workshop on "Virtual Physics Lab"



Three-Day Student Workshop on "Virtual Physics Lab"



7. Sample Copy of Certificate

Participant Certificate



Three Day Student Workshop

On

"Virtual Physics Lab"

Organised by
Department of Physics,
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

March 21-23, 2024

Certificate of Participation

Prof. R.K. Pachar
Principal

Prof. Brajraj Sharma

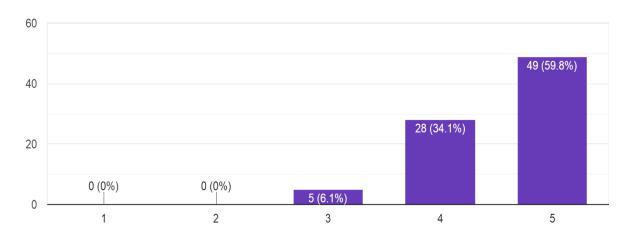
Head, Physics

8. Feedback Report

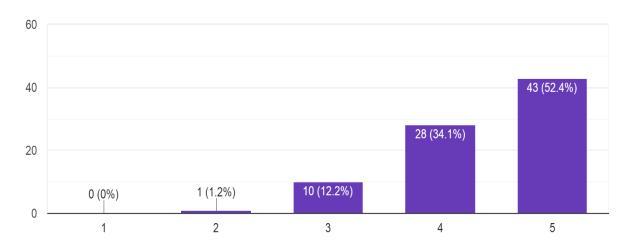
Feedback (Day 1)

1. Your Experience about the the Virtual Physics Lab Workshop -2024

82 responses

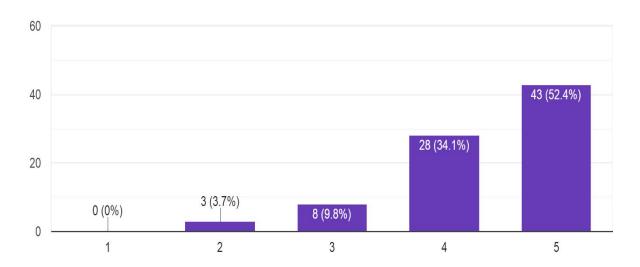


2. Overall, how do you rate the program you attended in terms of usefulness and effectiveness? (On a scale of 1 to 5, 1 being lowest):

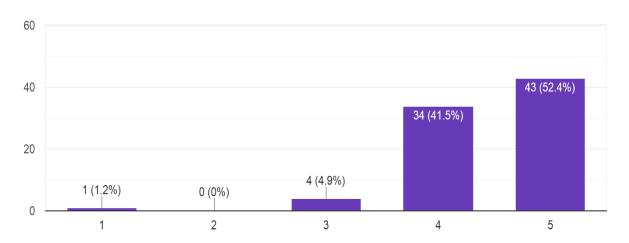


3. Relevancy of topics

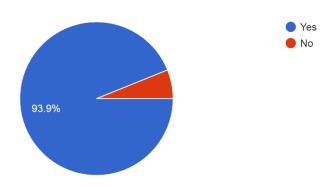
82 responses



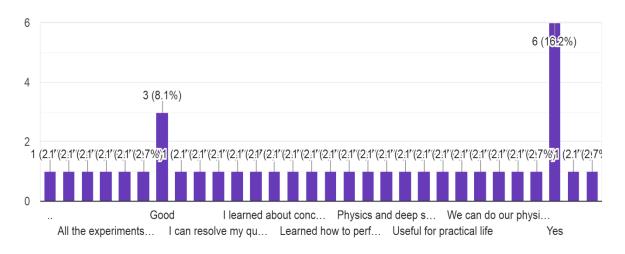
4. Overall Experience of the Workshop



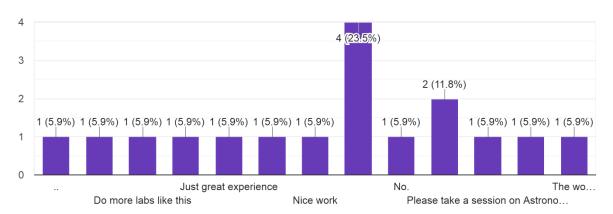
5. In future do you want to attend such programme at this institute $_{\rm 82 \; responses}$



6. Knowledge gained by workshop



7. Any other Suggestions



9. Media Coverage

एसकेआईटी में कार्यशाला संपन्न



जयपुर(सीमा सन्देश)। एसकेआईटी में भौतिक विभाग की ओर से वर्चुअल फिजिक्स लैब विषय पर तीन दिवसीय छात्र कार्यशाला संपन्न हो गई। एसो. प्रो. राजीव कुमार और पवन कुमार जैन ने प्रतिभागियों को लाभान्वित किया। उन्होंने छात्रों को वर्चुअल लैब की कार्य प्रणाली के बारे में समझा कर, उस पर प्रयोग को करना सिखाया। वर्चुअल लैब का लाभ अंडर ग्रेजुएट स्तर के छात्रों से लेकर रिसर्च स्कॉलर तक उठा सकते हैं। प्रो. ब्रजराज शर्मा ने भी वर्चुअल लैब का महत्व समझाते हुए बताया कि भारत सरकार के राष्ट्रीय शिक्षा मिशन के तहत मानव संसाधन विकास मंत्रालय की खास पहल, वर्चुअल लैब को इनफॉरमेशन एंड कम्युनिकेशन टेक्नोलॉजी के माध्यम से शुरू किया गया है। कार्यशाला में 400 से अधिक छात्रों ने भाग लिया।

10. Technical Report

A Three Day Student Workshop on "Virtual Physics Lab" is organized by Department of Physics, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur from 21 March 2024 to 23 March, 2024.

About 350 students have attended the workshop and got benefited from the experience of eminent speakers.

On the First day Mr. Pawan Kumar Jain, Assistant Professor in Physics Department introduced the students about objective and philosophy of virtual lab developed by IITs and other reputed institutions. He performed and demonstrated various experiment related to Interference and Diffraction Phenomenon on Virtual lab platform. The session was very interactive and all the participants learned a lot by performing the experiments by themselves.

On the Second day Mr. Rajiv Kumar, Associate Professor in Physics Department demonstrated and performed various experiment related to Semiconductor Physics, Lasers and optical fibers on Virtual lab platform. The participants learned and understand the basic concepts related to these topics by performing the experiments by themselves.

On the Third day Mr. Pawan Kumar Jain, Assistant Professor, Department of Physics, explained the importance of virtual labs. He told that the virtual labs are based on the idea that lab experiments can be taught using the internet more efficiently in a cost-effective manner. The Virtual Labs will also benefit the students who do not have access to physical labs or schools where equipments are not available owing to being scarce or costly. These Labs provide students with various opportunities to learn and experiment, which play a crucial role in the ongoing intellectual development of students at any academic level. In the valedictory ceremony Dr. Manasvi Dixit, the coordinator of the program, presented

a brief description of this program. Professor (Dr.) Brajraj Sharma, (Head of the Department, Physics) expressed vote of thanks to all the keynote speakers and all the Participants of the program. This program was coordinated by Dr. Komal Sharma, Mr. Rajiv Kumar, Mr. Pawan Kumar Jain, and Dr. Manasvi Dixit.

All sessions were quite educational. The participants must have benefited from the discussions and would have substantial takeaways.

---Thank You----