

INDIAN INSTITUTE Of TECHNOLOGY KANPUR Centre for Continuing Education SURGE Program



Date:	07-08-2022	

CERTIFICATE

This is to certify that	the project entitled '	SOAP FILM	1 TUNNEL	·
submitted by	VIKAS VARSHN	EY	as a pa	art of Students-
Undergraduate Rese	arch Graduate Excellence	2022 in online	mode offered	by the Indian
Institute of Technolo	ogy, Kanpur, is a bonafide	record of the wo	ork done by hin	n/her under my
guidance and supervi	sion at the Indian Institute of	of Technology, Ka	anpur.	
Mentor's Name:	Dr. SACHIN Y. SHIN	DE		
Department:	Mechanical Engineerin	ıg		
Indian Institute of	of Technology, Kanpur	•		

Mentor's Signature



INDIAN INSTITUTE Of TECHNOLOGY KANPUR Centre for Continuing Education SURGE Program

SURGE 2022 Student Feedback Form

Dear SURGE Student,

research experience We need to know y	e in online our experi l not be a	e mode at II' ences (both nonymous, t	Γ Kanpur. the good a they will b	We request nd the bad), be kept conf	you to re so please idential.	ne to reflect on your spond to this survey. be candid! Although We would appreciate
Thank you for your	time.					
					Н	lead, CCE
GENERAL						
1. How did you firs (Internet sea Flyer to my inst	ırch, flyer		_		at your sc	hool,)
2. Did you participa	ate in any	research pric	or to this su	ummer? If y	es, please	specify.
NO						
RESEARCH						
Circle one of the n	umbers as	your respon	nse to each	of Questio	ns 3-12, 2	0:
3. On an average, Mentor?	how many	hours per	week did	you interact	with you	r Mentor and/or Co-
5 hours or more	1	2	3	4	5	25 hours or less
4. Did you attend o research group i		arch group m	neetings or	participate	in discuss	ions with your
No	1	2	3	4	5	Yes

5. Did you feel comfortable asking questions to your Mentors and Co-Mentors?

Yes

Mento	r	1	2	3	(4	5	5
Co-Men	tor	1	2	3		4	(5	5)
6. What was the b	enefit you	received fro	m your summ	er resea	rch exp	erience	in terms	of:
				LOW	MEL	OIUM	HI	GH
	C	larification o	of career path	1	2	3	4	5
	Skill i	n interpretati	ion of results	1	2	3	4	5
Tolerance for	r obstacles	faced in rese	earch process	1	2	3	4	5
Rea	diness for 1	more demand	ling research	1	2	3	4	5
Understar	nding how	knowledge is	s constructed	1	2	3	4	5
Understanding	of the rese	arch process	in your field	1	2	3	4	5
Ab	oility to inte	egrate theory	and practice	1	2	3	4	5
L	earning eth	ical conduct	in your field	1	2	3	4	5
Learning laboratory techniques					2	3	4	5
Skill in how to give an effective oral presentation					2	3	4	5
		Skill in sci	ence writing	1	2	3	4	5
		Sel	f-confidence	1	2	3	4	5
	Learni	ng to work ir	ndependently	1	2	3	4	5
Other (please stat	e):			1	2	3	4	5
7. How does your before you be	-		h experience o	compare	to the	expectat	ions you	held
Well Below Expectations	1	2	3	4		5		Above ctations
8. Evaluate the ov <i>Mentor No</i>	_	ormance of yo	our Mentor or	Co-Mei	ntor.			
Poor	1	2	3	4		(5)	Exc	ellent
Co-Mentor	· Name:							
Poor	1	2	3	4		<u>(5)</u>	Exc	ellent
OVERVIEW								

No

9. Please comment on the effectiveness of the following:

	LOW	MEDIUM H		HI	HIGH	
Writing the research proposal or project plan before coming to IIT Kanpur	1	2	3	4	5	
Oral presentations	1	2	3	4	5	
Writing your final technical paper	1	2	3	4	5	

10. Evaluate your overall research experience in online mode.

(What were the best aspects of the summer research program, and the worst?) My overall research experience was very nice. I learnt many things in my research project. I explored all the parameters of my project. So, It was very grateful for me to do such kind of research project.

- 11. Please comment about the 2022 SURGE Program in online mode. SURGE PROGRAM 2022 in online mode was very nice. It was awesome. My mentor and co-mentor both were always available for me whenever I got stuck.
- 12. Were you satisfied with the assistance and administrative support provided by the SURGE Office?
 YES

FUTURE

- 13. What are your educational plans beyond your undergraduate degree? Are you considering IIT Kanpur for post-graduate studies?

 I have not thought of this yet
- 14. Did your undergraduate research experience during 2022 SURGE Program influence your plan for postgraduate education?

Yes, due to SURGE Program I understood about If I choose post-graduate studies, then how much effort must be necessary.

Thank You!!



INDIAN INSTITUTE Of TECHNOLOGY KANPUR Centre for Continuing Education SURGE Program



|--|

Student's Declaration

I hereby declare that this project report titled "SOAP FILM TUNNEL"
submitted towards the completion of online SURGE-2022 Program at IIT Kanpur is an authentic
record of my work carried out under the guidance of Prof. SACHIN Y. SHINDE
at IIT Kanpur.
I affirm that the entire report has been written by me and any material taken from other sources
has been appropriately acknowledged.
Student Name: VIKAS VARSHNEY
Department: CIVIL ENGINEERING
Institute Name: IIT KANPUR

Student's Signature