

**Bachelor of Engineering (B.Tech)**  
**Department of Automobile Engineering**

## Semester VII & VIII Teaching Scheme and Examination Scheme

SWARNIM INSTITUTE OF  
TECHNOLOGY



**SWARNIM STARTUP & INNOVATION UNIVERSITY**  
**(India's First Start Up University)**  
**SWARNIM INSTITUTE OF TECHNOLOGY**  
**Bachelor of Engineering (B.Tech)**  
**Department of Computer Engineering**  
**Semester III-VIII Teaching Scheme and Examination Scheme**

Semester 3 (CE)																		
subject code	Subject Name	Credit	Teaching scheme per week				Examination								Total	REMARKS		
			Th	Tut	Practical	Total	Internal					External						
							Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING				
23000015	Maths-III	5	3	2	0	5	30	12	50	25	70	23	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT		
23070301	Digital Electronics	4	3	0	2	5	30	12	50	25	70	23	-	-	150			
23040302	Data Structure And Algorithm	4	3	0	2	5	30	12	50	25	70	23	-	-	150			
23040301	Database Management System	5	3	0	4	7	30	12	50	25	70	23	-	-	150			
23040303	Computer Network	4	3	0	2	5	30	12	50	25	70	23	-	-	150			
23000014	Entrepreneural Motivation	2.5	2	1	0	3	-	-	50	25	-	-	50	25	100			
	Total	24.5	17	3	10	30	150	60	300	150	350	115	50	25	850			
Semester 4 (CE)																		
subject code	Subject Name	Credit	Teaching scheme per week				Examination								Total	REMARKS		
			Th	Tut	Practical	Total	Internal					External						
							Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING				
23000016	Maths-IV	5	3	2	0	5	30	12	50	25	70	23	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT		
23040401	Operating System	4	3	0	2	5	30	12	50	25	70	23	-	-	150			
23040402	Object Oriented Programming with C++	5	3	0	4	7	30	12	50	25	70	23	-	-	150			
23040403	System Software	4	3	0	2	5	30	12	50	25	70	23	-	-	150			
23070401	Computer Organization and MicroProcessor	4	3	0	2	5	30	12	50	25	70	23	-	-	150			
23000017	Project Feasibility & Marketing Skills	2.5	2	1	0	3	-	-	50	25	-	-	50	25	100			
	Total	24.5	17	3	10	30	150	60	300	150	350	115	50	25	850			



Semester 5 (CE)																
SUBJECT CODE	Subject Name	Credit	Teaching scheme per week				Examination								Total	REMARKS
			Th	Tut	Practical	Total	Internal			External			Total			
							Th	PASSING	Pr	PASSING	Th	PASSING		Pr		
23040501	Object Oriented Programming with JAVA	6	4	0	4	8	30	12	50	25	70	23	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT
23040502	Theory of Computation	4	3	1	0	4	30	12	50	25	70	23	-	-	150	
23040503	Information Network & Cyber Security	4	3	0	2	5	30	12	50	25	70	23	-	-	150	
23040504	Web Technology	4	3	0	2	5	30	12	50	25	70	23	-	-	150	
	Major Elective I	4	3	0	2	5	30	12	50	25	70	23	-	-	150	
23000020	Scaling up the Venture	2.5	2	1	0	3	-	-	50	25	-	-	50	25	100	
	Total	24.5	18	2	10	30	150	60	300	150	350	115	50	25	850	

Subject Code	Major Elective I
23040505	Computer Maintenance and Troubleshooting
23040506	Computer Graphics and Visualization
23040507	Image Processing

Semester 6 (CE)																	
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total	REMARKS	
			Th	Tut	Practical	Total	Internal			PASSING	External			PASSING			
							Th	PASSING	Pr		PASSING	Th	PASSING				Pr
23040601	Wireless Network	4	3	0	2	5	30	12	50	25	70	23	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT	
23040602	Compiler Design	4	3	0	2	5	30	12	50	25	70	23	-	-	150		
23040603	Cloud Computing	4	3	0	2	5	30	12	50	25	70	23	-	-	150		
23040604	Data Mining and Warehousing	4	3	0	2	5	30	12	50	25	70	23	-	-	150		
	Major Elective II	5	3	0	4	7	30	12	50	25	70	23	-	-	150		
23000021	IDEA to Minimum Viable Product	2.5	2	1	0	3	-	-	50	25	-	-	50	25	100		
	Total	23.5	17	1	12	30	150	60	300	150	350	115	50	25	850		

Subject Code	Major Elective II
23040605	.NET Technology
23040606	Advance JAVA
23040607	Web Data Management
23040608	Big Data Management



Semester 7 (CE)																
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total	REMARKS
			Th	Tut	Practical	Total	Internal			External			Total			
							Th	PASSING	Pr	PASSING	Th	PASSING		Pr		
23040701	Artificial Intelligence	6	4	0	4	8	30	12	-	-	70	23	50	25	150	INDIVIDUAL PASS IN EACH COMPONENT
	Major Elective I	5	3	0	4	7	30	12	-	-	70	23	50	25	150	
23000023	Project I	2	0	0	4	4	-	-	50	25	-	-	100	50	150	
23000022	Managing Innovation & IPR for Entrepreneurs	2.5	2	1	0	3	-	-	50	25	-	-	50	25	100	
	Total	15.5	9	1	12	22	60	24	100	50	140	46	250	125	550	
Subject Code	Major Elective I															

Subject Code	Major Elective I
23040702	Python Programming
23040703	IOT and Applications
23040704	Network Programming

Semester 8 (CE)																
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total	REMARKS
			Th	Tut	Practical	Total	Internal			External						
							Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING		
	Major Elective II	6	4	0	4	8	30	12	-	-	70	25	50	25	150	INDIVIDUAL PASS IN EACH COMPONENT
23000025	Project 2	8	0	0	16	16	-	-	20	10	-	-	80	40	100	
23000024	Subject from School of IE	2.5	2	1	0	3	-	-	50	25	-	-	50	25	100	
	Total	16.5	6	1	20	27	30	12	70	35	70	25	180	90	350	

Subject Code	Major Elective II
23040801	Android Programming
23040802	Programming with XML & JSON
23040803	Graphics Programming/ Animation



# SWARNIM STARTUP & INNOVATION UNIVERSITY (SSIU)

Bachelor of Engineering

Department of Chemical Engineering

Teaching Scheme & Examination Pattern

SEM-VII			Teaching Scheme (Hours)							Examination				Total Marks
Sr No	Subject code	Subject name	Th	Tu	Pr	Total	Credits	Internal		External				
								Th	Pr	Th	Pr			
1	24020701	Process Equipment Design-II	3	1	0	4	4			30	20	70	30	150
2	24020702	Chemical Reaction Engineering-II	3	0	2	5	4			30	20	70	30	
3		Major Elective-I	2	0	2	4	3			30	20	70	30	150
5	24020703	Computer Aided Process Synthesis	2	1	0	3	3			30	20	70	30	150
6	24020704	Plant Design and Project Engineering	3	0	0	3	3			30	20	70	30	150
7	23000023	Project-I	0	0	8	8	4			0	20	0	80	100
8	23000022	IE	2	1	0	3	2.5			0	50	0	50	100
Total			15	3	12	30	23.5			150	170	350	280	950

## Major Elective-I

1	24020706	Energy Technology	2	0	2	4	3	30	20	70	30	150
2	24020707	Nano Technology	2	0	2	4	3	30	20	70	30	150

  
HOD



(Sample shgddg,  
EnU. Egg. in AMC)



# SWARNIM STARTUP & INNOVATION UNIVERSITY (SSIU)

Bachelor of Engineering

Department of Chemical Engineering

Teaching Scheme & Examination Pattern

Teaching Scheme & Examination Pattern												
SEM-VIII			Teaching Scheme (Hours)			Total	Credits	Examination				Total Marks
Sr No	Subject code	Subject name	Th	Tu	Pr			Internal		External		
								Th	Pr	Th	Pr	
1	24020801	Chemical System Modeling	2	0	0	2	2	30	20	70	30	150
2		Major Elective-I	3	0	0	3	3	30	20	70	30	150
3	24020802	Petroleum Refining & Petrochemicals	3	0	0	3	3	30	20	70	30	150
4	24020803	Process Simulation & Optimization	3	0	0	3	3	30	20	70	30	150
5	23000025	Project-II	0	0	16	16	8	0	20	0	80	100
6	23000024	IE	2	1	0	3	2.5	0	50	0	50	100
Total			13	1	16	30	21.5	120	150	280	250	800

## Major Elective-II

1	24020805	Fertilizer Technology	3	0	0	3	3	30	20	70	30
2	24020806	Solid Fluid Operation	3	0	0	3	3	30	20	70	30
											150

*K. Srinivas*  
HOD

*Sandip* ..

(Sandip Shyamsingh,  
EnV. Engg in AME



## SWARNIM STARTUP &amp; INNOVATION UNIVERSITY

SWARNIM INSTITUTE OF TECHNOLOGY

**Bachelor of Engineering (B.Tech)**

Department of CIVIL Engineering

Semester III-VIII Teaching Scheme and Examination Scheme

Semester: 3 (CIVIL Engineering)														
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination						REMARKS	
			Th	Tut	Practical	Total	Internal			External			Total	
							Th	PASSING	Pr	PASSING	Th	PASSING	Pr	
230000015	Maths-3	5	3	2	-	5	30	12	50	25	70	23	-	150
23030304	Strength of Material	5	4	-	2	6	30	12	50	25	70	23	-	150
23030305	Fluid Mechanics	4	3	-	2	5	30	12	50	25	70	23	-	150
23030301	Surveying	3.5	3	-	1	4	30	12	50	25	70	23	-	150
23030302	Building Construction	3	3	-	-	3	30	12	-	25	70	23	-	150
230000014	Entrepreneurial Motivation	2.5	2	1	-	3	-	-	50	25	-	-	50	100
23030303	Concrete Technology	3.5	3	-	1	4	30	12	50	25	70	23	-	150
Total		26.5	21	3	6	30	180	72	300	175	420	138	50	950

Semester: 4 (CIVIL Engineering)															
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination						REMARKS		
			Th	Tut	Practical	Total	Internal			External					
							Th	PASSING	Pr	PASSING	Th	PASSING		Pr	
23000019	Maths-4	5	3	2	-	5	30	12	50	25	70	23	-	150	INDIVIDUAL PASS IN EACH COMPONENT
23030401	Theory of Structure-I	5	4	1	-	5	30	12	50	25	70	23	-	150	
23030402	Applied Fluid Mechanics	3.5	3	-	1	4	30	12	50	25	70	23	-	150	
23030403	Geotechnics and Applied Geology	4	3	1	-	4	30	12	50	25	70	23	-	150	
23030404	Building and Town Planning	4	3	1	-	4	30	12	50	25	70	23	-	150	
23000017	Project Feasibility & Marketing Skills	2.5	2	1	-	3	-	-	50	25	-	-	50	100	
23030406	Advanced Surveying	4	3	-	2	5	30	12	50	25	70	23	-	150	
Total		28	21	6	3	30	180	72	350	175	420	138	50	1000	

SWARNIM INSTITUTE OF  
TECHNOLOGY

HOD - CIVIL,  
SIT

Prof. Mam' Bayapchi

Dr. PATEL

**Bachelor of Engineering (B.Eng.)**

Semester: 5 (CIVIL Engineering)		
Subject Code	Subject Name	
23030501	Highway Engineering	
23030502	Environmental Engineering	
23030503	Theory of Structure-II	
23030504	Geotechnical Engineering	
23000020	Scaling up the Venture	
23030505	Hydrology and Water Resource Engineering	
		Total

Semester: 6 (CIVIL Engineering)	
Subject Code	Subject Name
23030601	Water and Waste water Engineering
23030602	Design of Reinforced Concrete Structure
23030603	Railway Bridge and Tunnel Engineering
23030604	Advanced Construction Equipment
23000021	From Idea to MVP
23030605	Professional Practice and Valuation
Total	

SWARNIM INSTITUTE OF  
TECHNOLOGY

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Prof. Mani Prajapati

Dr. M. N. PATEL



**Bachelor of Engineering (B.E.)**  
**Department of CIVIL Engineering**  
**Semester III-VIII Teaching Scheme and Examination Scheme**

Semester: 7 (CIVIL Engineering)																
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination						REMARKS			
			Th	Tut	Practical	Total	Internal			External				Total		
							Th	PASSING	Pr	PASSING	Th	PASSING			Pr	PASSING
23030701	Design of Steel Structure	5	4	1	-	5	30	12	-	-	70	23	50	25	150	INDIVIDUAL PASS IN EACH COMPONENT
23030702	Irrigation Engineering	4	3	1	-	4	30	12	-	-	70	23	50	25	150	
23030703	Urban Transportation Engineering	4	3	1	-	4	30	12	-	-	70	23	50	25	150	
23000023	Project-I	3	-	-	6	6	-	-	20	10	-	-	80	40	100	
23000022	Subject From School of IE	2.5	2	1	-	3	-	-	50	25	-	-	50	25	100	
	Elective 1	4	3	1	-	4	30	12	-	-	70	23	50	25	150	
	Total	22.5	15	5	6	26	120	48	70	35	280	92	330	165	800	

<b>Elective 1</b>	
23030704	Ground Improvement Techniques
23030705	Remote Sensing and GIS
23030706	Earthquake Engineering

Semester: 8 (CIVIL Engineering)															
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
			Th	Tut	Practical	Total	Internal			External			Total		
							Th	PASSING	Pr	PASSING	Th	PASSING		Pr	
23030801	Construction Project Management	4	3	1	-	4	30	12	-	-	70	23	50	25	150
23030802	Prestressed Concrete	5	4	1	-	5	30	12	-	-	70	23	50	25	150
23000025	Project-II	3	-	-	6	6	-	-	20	10	-	-	80	40	100
23000026	Seminar	1.5	-	-	3	3	-	-	20	10	-	-	80	40	100
	Elective 1	4	3	1	-	4	30	12	-	-	70	23	50	25	150
23000024	Subject From School of IE	2.5	2	1	-	3	-	-	50	25	-	-	50	25	100
	Total	20	12	4	9	25	90	36	90	45	210	69	360	180	750

<b>Elective 1</b>	
23030803	Foundation Engineering
23030804	Air Pollution and Control
23030805	Dock Harbour and Airport Engineering

SWARNIM INSTITUTE OF  
TECHNOLOGY

*(Signature)*  
**Dr. M.N. PATEL**

# SWARNIM STARTUP & INNOVATION UNIVERSITY (SSIU)

B.Tech

Department of Environmental Engineering

Teaching Syllabus & Examination Pattern

SEM-VII		Teaching Scheme (Hours)					Examination				Total Marks
Subject Code	Subject name	Th	Tu	Pr	Total	Credits	Internal		External		
							Th	Pr	Th	Pr	
	Advanced Wastewater Treatment Technologies	3	0	2	5	4	30	-	70	50	150
	Design of Air Pollution Control Equipments	3	2	0	5	5	30	-	70	50	150
	Environmental Risk Assessment and Management	3	2	0	5	5	30	-	70	50	150
	Institute Elective	3	2	0	5	5	30	-	70	50	150
	Project-I	0	0	8	8	4	-	20	-	80	100
	Start-Up Project Part-I	2	0	1	3	2.5	-	50	-	50	100
	<b>Total</b>	<b>14</b>	<b>6</b>	<b>11</b>	<b>31</b>	<b>25.5</b>	<b>120</b>	<b>70</b>	<b>280</b>	<b>330</b>	<b>800</b>

Subject Code	Institute Elective
	Resource And Energy Recovery From Waste
	Cleaner Production And Waste Utilization

B.B. Patel



SWARNIM STARTUP & INNOVATION UNIVERSITY (SSIU)
B.Tech
Department of Environmental Engineering
Teaching Syllabus & Examination Pattern

SEM-VIII										
Sr No.	Subject Code	Subject name	Teaching Scheme (Hours)				Examination			
			Th	Tu	Pr	Total	Credits	Internal		Total Marks
								Th	Pr	
1		Environmental Impact Assessment	3	2	0	5	5	30	-	150
2		Anaerobic Biological Treatment Technologies	3	0	2	5	4	30	-	150
3		Industrial Wastewater Pollution and Control	3	0	2	5	4	30	-	150
4		Institute Elective	3	2	0	5	5	30	-	150
5		Project II	0	0	8	8	4	-	20	100
6		Start-Up Project Part-II	2	0	1	3	2.5	-	50	100
Total			14	4	13	31	24.5	120	70	800

Subject Code	Institute Elective
	Preventive Environmental Management
	Environmental Legislation and Audit

B.B. Patel

*[Signature]*



**Swarnim Start Up And Innovation University**  
**(India's First Start Up University)**  
 Bachelor of Engineering (B.Tech)  
 Department of Mechanical Engineering  
 Semester VII & VIII Teaching Scheme and Examination Scheme

Semester 7 (MECH)		Teaching scheme per week										Examination				Total
UBJECT COD	Subject Name	Credit	Th	Tut	Practical	Total	Internal			External			PASSING		Pr	PASSING
23090701	Computer Aided Design & Manufacturing	4	3	-	2	5	30	12	-	-	70	23	50	25	50	25
23090702	Power Plant Engineering	4	3	-	2	5	30	12	-	-	70	23	50	25	50	25
23090703	Operation Research	6	4	2	-	6	30	12	-	-	70	23	50	25	50	25
23090704	Machine Design	5	3	-	2	5	30	12	-	-	70	23	50	25	50	25
	Departmental Elective - II	3	3	-	-	3	30	12	-	-	70	23	-	-	-	-
23000023	Project 1	2	-	1	2	3	-	-	50	25	-	-	100	50	100	50
23090705	Organizational Behaviour	2	-	-	-	0	-	-	-	-	-	-	50	25	50	25
23000022	Subject rom School of IE	2.5	2	1	-	3	-	-	50	25	-	-	50	25	50	25
	<b>Total</b>	<b>28.5</b>	<b>18</b>	<b>4</b>	<b>8</b>	<b>30</b>	<b>150</b>	<b>60</b>	<b>100</b>	<b>50</b>	<b>350</b>	<b>115</b>	<b>400</b>	<b>200</b>	<b>400</b>	<b>1000</b>

Departmental Electives - II			
23090708	Vehicle Dynamics		
23090710	Gas Dynamics		
23090712	Metal Forming Analysis		

Semester 8 (MECH)		Teaching scheme per week										Examination				Total
UBJECT COD	Subject Name	Credit	Th	Tut	Practical	Total	Internal			External			PASSING		Pr	PASSING
23000025	Project 2	8	-	-	16	16	-	-	200	100	-	-	300	150	300	150
	Departmental Electives - III	4	3	-	2	5	30	12	-	-	70	23	50	25	50	25
23000028	Industrial Training	2	-	-	4	4	-	-	50	25	-	-	200	100	200	100
23000024	Subject rom School of IE	2.5	2	1	-	3	-	-	50	25	-	-	50	25	50	25
	<b>Total</b>	<b>16.5</b>	<b>5</b>	<b>1</b>	<b>22</b>	<b>28</b>	<b>30</b>	<b>12</b>	<b>300</b>	<b>150</b>	<b>70</b>	<b>23</b>	<b>600</b>	<b>300</b>	<b>600</b>	<b>1000</b>

Departmental Electives - III			
23090803	Rapid Prototyping		
23090804	Automobile Engineering		
23090805	Energy Conservation and Management		

SWARNIM INSTITUTE  
TECHNOLOGY

Vikrant Mahajan

Dikshant H. Pandey



**Master of Engineering (M.E.)  
Environmental Engineering  
2nd year teaching Scheme & examination pattern**

Semester 3									
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week			Examination		
				Th	Tut	Practical	Total	Internal	External
1		Major Elective - IV	15	3	2	2	7	Th 30 Pr 20	Th 30 Pr 30
2		Seminar - I	4	-	4	-	4	-	- 50
3		Internal Review	2	-	2	-	2	-	- 100
4		Dissertation Phase - I	20	-	-	20	20	-	- 100
		<b>Total</b>	<b>33</b>	<b>3</b>	<b>8</b>	<b>22</b>	<b>33</b>	<b>30 170</b>	<b>70 180</b>

Subject Code	<b>Major Elective IV</b>
	Treatment Process Design and Drawing
	Air Pollution Control Equipment

Semester 4									
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week			Total	Internal	External
				Th	Tut	Practical		Th	Pr
1		Major Elective - V	5	3	2	-	5	30 20	70 30
2		Seminar - II	4	-	4	-	4	-	- 50
3		External Mid Sem Review	10	-	-	10	10	-	- 100
4		Dissertation Phase - II	24	-	-	24	24	-	- 100
		<b>Total</b>	<b>43</b>	<b>3</b>	<b>6</b>	<b>34</b>	<b>43</b>	<b>30 70</b>	<b>280 450</b>

Subject Code	<b>Major Elective - V</b>
	Environmental Legislations & Management
	Energy Sources & their Environmental Impact

*Handwritten signature and date: 21/11/2021*

*Handwritten signature and name: Asst. Prof. Dhvani Joshi*

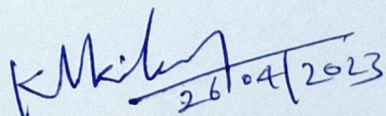
## CERTIFICATE

This is to certify that the project entitled "SOLAR OPERATED GRASS CUTTER" submitted by 2024101001 - SHIVAM KUMAR VELLY 2025001001 - DHRUV HARIKRISHNABHAI PATEL in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



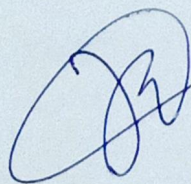
Signature of Internal Guide

Prof. Jugal Bhatt  
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri  
(Associate Professor)



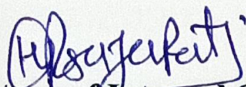
C. P. H. D. K. Prigolati/  
Signature of External Guide



## CERTIFICATE

This is to certify that the project entitled "Gearless Power Transmission" submitted by Patel Harsh Gautambhai (2125001002), Patel Sanket Ketankumar (2125001003), Patel Jay (2125001004), Patel Lizy Kanubhai (2125001006) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance.

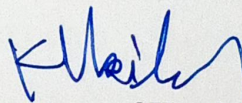
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

Prof. Hardik Prajapati

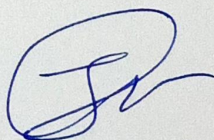
(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri

(Associate Professor)



(Prof. Jitendra Prajapati)

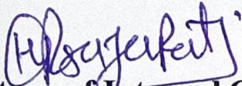
(External Examiner)



## CERTIFICATE

This is to certify that the project entitled "Gearless Power Transmission" submitted by Patel Harsh Gautambhai (2125001002), Patel Sanket Ketankumar (2125001003), Patel Jay (2125001004), Patel Lizy Kanubhai (2125001006) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance.

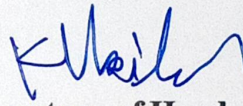
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri

(Associate Professor)



(Prof. Jitendra Prajapati)

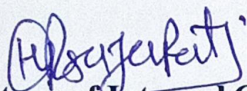
(External Examiner)



## CERTIFICATE

This is to certify that the project entitled "Gearless Power Transmission" submitted by Patel Harsh Gautambhai (2125001002), Patel Sanket Ketankumar (2125001003), Patel Jay (2125001004), Patel Lizy Kanubhai (2125001006) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance.

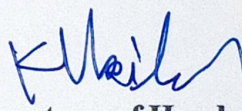
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri

(Associate Professor)



(Prof. Jitendra Prajapati)

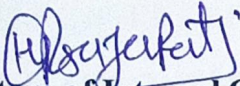
(External Examiner)



## CERTIFICATE

This is to certify that the project entitled "Gearless Power Transmission" submitted by Patel Harsh Gautambhai (2125001002), Patel Sanket Ketankumar (2125001003), Patel Jay (2125001004), Patel Lizy Kanubhai (2125001006) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance.

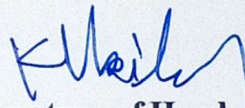
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri

(Associate Professor)



(Prof. Jitendra Prajapati)

(External Examiner)

## Certificate

This is to verify that "SUMMER INTERNSHIP-2024" was carried out by Hitarth Sharma – 2024008019 at Nexus software solution as a Front-End web developer Intern for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Technology in Information Technology at Swarnim Institute of Technology. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date : 15/4/24

Place:



Student's signature



Dr. Mohit Bhadla

Head of Department



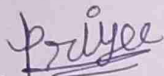
2024016003

## CERTIFICATE

This is to verify that "Industrial Training/Major Project (PT)-2024" embodied in **Python Development** was carried out by **Priya Jitendrabhai Choksi (2024016003)** at **Arihant AI** for fulfilment of the requirements for the 8<sup>th</sup> Semester Degree of Bachelor of Technology in the Computer Engineering (Specialization in Artificial Intelligence) at **Swarnim startup and innovation University**. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date: 15/04/2024

Place: Gandhinagar



Student's signature



Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY  
Department of Information Technology

Bhoyan Rathod, Dist. Gandhinagar -382 422.



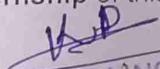
**SWARNIM**  
INSTITUTE OF TECHNOLOGY

## CERTIFICATE

This is to certify that Mr.

Harsh Kanani[2125008001]

Course in **Information Technology Engineering** has satisfactorily Completed  
his/her work in subject **Internship** of this College during the academic year 2023-24.

  
SWARNIM INSTITUTE OF  
TECHNOLOGY

2125004002

**SWARNIM STARTUP & INNOVATION UNIVERSITY**  
**GANDHINAGAR GUJARAT**  
**SWARNIM INSTITUTE OF TECHNOLOGY**



**CERTIFICATE**

This is to certify that the internship report submitted, along with the project entitled **Car Wash Management System**, has been carried out by **Trada Dhrumil Girishbhai** under my guidance in fulfillment of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING**, 8<sup>th</sup> Semester of Swarnim Startup & Innovation University during the academic year 2023-24.

Prof. Krishn Limbachiya  
Internal Guide

Dr Mohit Bhadla  
Head of the Department

**SWARNIM INSTITUTE OF  
TECHNOLOGY**





## CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Multi Mart** has been carried out by **Patel Dhruv[2024004018]** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Computer, 8<sup>th</sup> Semester of Swarnim Startup and Innovation University, Gandhinagar during the academic year 2020-24.

**KRISHN LIMBACHIYA**

Internal Guide

**DR. MOHIT BHADLA**

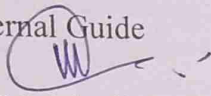
Head of the Department

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## Certificate

This is to verify that "INTERNSHIP-2024" embodied in Website Development was carried out by Vinit Mukeshkumar Jaiswal (2024008010) at Birdmorning Solutions PVT.LTD. for fulfillment of the requirements for the 8th Semester Degree of Bachelor of Engineering in Computer Engineering at Swarnim Institute of Technology to be awarded by Swarnim Startup and Innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Internal Guide

  
Prof. krishn limbachiya

SWARNIM INSTITUTE OF  
TECHNOLOGY





**Swarnnim Institute of Technology**

**Bhoyan-rathod, Gandhinagar**

## **CERTIFICATE**

This is to certify that the project report submitted along with the project entitled **Customer Segmentation** has been carried out by **Sharma Ruchi** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Computer Engineering , 8<sup>th</sup> Semester of Gujarat Technological University, and Ahmadabad during the academic year 2021-22.

**Prof. Krishn Limbachiya**

**Internal Guide**

**Dr. Mohit Badla**

**Head of the Department**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

# SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY  
Department of Information Technology  
Bhoyan Rathod, Dist. Gandhinagar -382 422.



## CERTIFICATE

This is to certify that Software Engineering project report entitled "Smart Parking System" is the work carried out DIVY PATEL student of Computer Engineering, Swarnim institute of technology, Swarnim startup and innovation university under the supervision of Krishn Limbachiya, Professor, Swarnim institute of technology, Swarnim startup and innovation university during the academic year 2023-24.

DATE OF SUBMISSION:

15/04/2024

Guide:

External:

SWARNIM INSTITUTE OF  
TECHNOLOGY

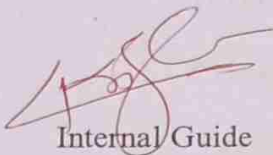
SWARRNIM INSTITUTE OF TECHNOLOGY



2024008031

## CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Full stack with Python-Django / Taxi Booking System** has been carried out by **Ghanshyam Mali** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in IT, 8<sup>th</sup> Semester of Swarnim Startup & Innovation University during the academic year- 2024.



Internal Guide

Krishn Limbachiya



Head of the Department

Dr. Mohit Bhadla

Date : 15/4/24

Place: Gandhinagar

SWARNIM INSTITUTE OF  
TECHNOLOGY

## Certificate

This is to certify that "Summer Internship-2024" reports, submitted along with the project entitled **Trust Forge Kit** has been carried out by **Nidhi Prajapati (2024008043)** under Guidance in partial fulfillment for the degree of B.Tech in Information Technology **8<sup>th</sup> Sem** at **Swarnim Startup and Innovation University, Gandhinagar** during academic year 2023-2024.



Internal Guide  
Dr. Mohit Bhadla



Head of Department  
Dr. Mohit Bhadla

SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to verify that "INTERNSHIP-2024" embodied in App Development using Android was carried out by Chaudhari Brijesh (2024008021) at Urban Ethics for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Engineering in the Information Technology at Swarnim institute of technology to be awarded by Swarnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.



Internal Guide

Prof. Krishn Limbachiya



Head Of Department

Dr. Mohit

SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to verify that the "SUMMER INTERNSHIP-2023" undertaken by **Harshvardhansingh Shaktawat (1824008019)**, at 'Cahoot Technologies Private Limited', was carried out in the technologies of Prometheus, Grafana, Docker, and Linux. This internship was conducted for the fulfillment of the requirements for the 7th Semester Degree of Bachelor of Technology in 'Information Technology' at 'Swarnim Institute of Technology', to be awarded by 'Swarnim Startup & Innovation University'. This work has been conducted under my guidance and supervision and meets my satisfaction.



Signature of Internal Guide

Prof. Krishna Limbachiya



Signature of Head of Department

Prof. Mohit Bhadla

SWARNIM INSTITUTE OF  
TECHNOLOGY



### Certificate

This is to certify that Mr /Ms Dhruvil Mistry from Swarnnim startup and innovation college having Enrollment No: 2024004015 branch: CE semester: 8<sup>TH</sup> semester has completed project on E-commerce Website.



Institute Guide



Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to certify that Data science internship report, submitted has been carried out by **Daksh Patel(2024004007)** under Guidance in partial fulfillment for the degree of engineering in computer engineering **8TH** semester of **Swarnim Startup and Innovation University, Gandhinagar** during academic year 2023-2024.

Date: 15/4/24

Place: GANDHINAGAR

Student's signature

Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY

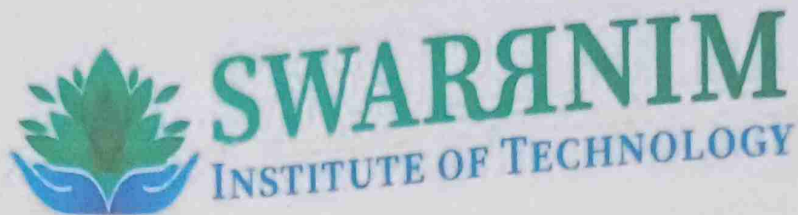


SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY

Department of Information Technology

Bhoyan Rathod, Dist. Gandhinagar -382 422.



## CERTIFICATE

This is to certify that Software Engineering project report entitled "Cafe management " is the work carried out by **Bhavin Pawar** students of **Computer Engineering**, Swarnim institute of technology, Swarnim startup and innovation university under the supervision of Professor krishn limbachiya, Swarnim institute of technology, Swarnim startup and innovation university during the academic year 2023-24.

SWARNIM INSTITUTE OF  
TECHNOLOGY

DATE OF SUBMISSION:

15/11/24

Guide:

External:

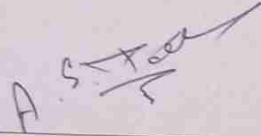
K-P

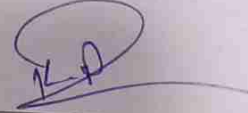
SWARNIM INSTITUTE OF TECHNOLOGY



## Certificate

This is to verify that In Fulfillment of Industrial training/Major Project (PT) embodied in this technology Cyber Security was carried out by Aum Patel [2024008011] at Slash Mark for fulfilment of the requirements for the 8<sup>th</sup> Semester Degree of Bachelor of Engineering in the Information Technology at **Swarnim Startup and Innovation University**. This work has been carried out under my guidance and supervision and it is to my satisfaction.

  
Student's Signature

  
H.O.D

SWARNIM INSTITUTE OF  
TECHNOLOGY



2125004002

**SWARNIM STARTUP & INNOVATION UNIVERSITY**  
**GANDHINAGAR GUJARAT**  
**SWARNIM INSTITUTE OF TECHNOLOGY**



**CERTIFICATE**

This is to certify that the internship report submitted, along with the project entitled **Car Wash Management System**, has been carried out by **Trada Dhrumil Girishbhai** under my guidance in fulfillment of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING**, 8<sup>th</sup> Semester of Swarnim Startup & Innovation University during the academic year 2023-24.

Prof. Krishn Limbachiya  
Internal Guide

Dr Mohit Bhadla  
Head of the Department

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## Certificate

This is to certify that NETWORK SECURITY reports submitted by Gohil Chirag (2125004017) under capable guidance and submitted in partial fulfillment for the degree of Bachelor's of Technology - Computer Engineering for 8th Semester of Swarnim Startup and Innovation University, Gandhinagar; during the academic year 2023-2024. Their project is on topic Network Security.



Prof. Krishn Limbachiya

Internal Guide



Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY  
Department of Information Technology

Bhoyan Rathod, Dist. Gandhinagar -382 422.



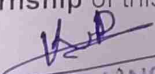
**SWARNIM**  
INSTITUTE OF TECHNOLOGY

## CERTIFICATE

This is to certify that Mr.

Harsh Kanani[2125008001]

Course in **Information Technology Engineering** has satisfactorily Completed  
his/her work in subject **Internship** of this College during the academic year 2023-24.

  
SWARNIM INSTITUTE OF  
TECHNOLOGY

## Certificate

This is to verify that "SUMMER INTERNSHIP-2024" was carried out by Hitarth Sharma – 2024008019 at Nexus software solution as a Front-End web developer Intern for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Technology in Information Technology at Swarnim Institute of Technology. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date : 15/4/24

Place:



Student's signature



Dr. Mohit Bhadla

Head of Department



INDIA'S FIRST UNIVERSITY FOR STARTUP

## Swarnnim Institute Of Technology

Gandhinagar, Gujarat

### CERTIFICATE

This is to certify that the project report submitted along with the project titled **Invento-Pharmacy Management** has been carried out by **Rahul Prajapati** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in B.Tech IT, 8<sup>th</sup> Semester of Swarnnim Startup & Innovation University, Gandhinagar during the academic year 2023-24.

Prof. Krishna Limbachiya

Internal Guide

Prof. Mohit Bhadla

Head of the Department

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



SWARNIM STARTUP & INNOVATION UNIVERSITY

DEPARTMENT OF COMPUTER ENGINEERING



**CERTIFICATE**

This is to certify that the final year project entitled "Gas Web Application" has been carried out by Dey Patel(2125004008), under my guidance in fulfillment of the degree of Bachelor of Engineering in COMPUTER ENGINEERING during the academic year 2023-2024.

Head of Department  
Dr. Mohit Bhadla

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## Certificate

This is to certify that **Priyanshu Joshi**, bearing Enrollment Number: **2024008046**, a bonafide student of **Swarnim Startup and Innovation University** is currently undergoing an internship at **Kuvaka Tech** commencing from 13<sup>th</sup> October. This internship report is submitted in partial fulfilment for the award of **Bachelor of Technology (B.Tech) in Information Technology (IT) 8<sup>th</sup> Semester** at **Swarnim Institute of Technology** during the academic year **2023-2024**.

*Kalpesh Patel*  
23/5/2024  
Internal Guide

Prof. Kalpesh Patel

*Mohit Bhadla*  
Head of Department

Dr. Mohit Bhadla

SWARNIM INSTITUTE OF  
TECHNOLOGY

## Certificate

This is to certify that Employee management app development reports, submitted along with the project entitled 'EMPLOYEE MANAGEMENT APP DEVELOPMENT' has been carried out by **SUTHAR AMI (2024004005)**, under Guidance in fulfilment for the degree of engineering in computer engineering 8th semester of Swarnim Startup and Innovation University, Gandhinagar during academic year **2023- 2024**.



Head of Department

Prof. Kalpesh Patel

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## Certificate

This is to certify that Employee management app development reports, submitted along with the project entitled 'EMPLOYEE MANAGEMENT APP DEVELOPMENT' has been carried out by **SUTHAR AMI (2024004005)**, under Guidance in fulfilment for the degree of engineering in computer engineering 8th semester of Swarnim Startup and Innovation University, Gandhinagar during academic year **2023- 2024**.



Head of Department

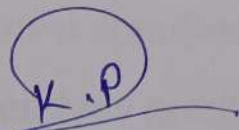
Prof. Kalpesh Patel

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

### Certificate

This is to certify that Mr /Ms Pritesh Bhut from Swarnnim startup and innovation college having Enrollment No: 2024004016 branch: IT semester: 8<sup>TH</sup> semester has completed project on **We chat Application.**

Institute Guide

  
Head of Department

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## CRITIFICATE

This is to certify that the project entitled "**Mobile store**" submitted by Abhishek Ravat (2024004021) in partial fulfillment for the degree of Bachelor in computer application in speciation of 8<sup>th</sup> semester of Swarnim startup and innovation university, Gandhinagar during the academic year 2023-2024.

SWARNIM INSTITUTE OF  
TECHNOLOGY



Signature of internal guide

Prof. Krishn limbachiya



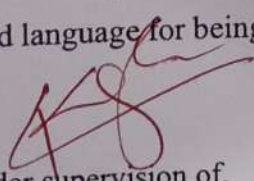


INDIA'S FIRST UNIVERSITY FOR STARTUP

## CERTIFICATE

This is to certify that the report entitled “**HR MANAGEMENT SYSTEM**” is a bonafied work carried out by **Swati Kathiriya (2024008025)** under the guidance and supervision of **Prof. Krishna Limbachiya** for the subject **Project II** of 8<sup>th</sup> Semester of Bachelor of Technology in **Information Technology** at Faculty of Technology & Engineering – SSIU, Gujarat.


To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

  
Under supervision of,  
**Prof. Krishna Limbachiya**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## ***Certificate***

This is to verify that "INTERNSHIP-2024" embodied in Application Development was carried out by Devanshi Panchal (2024008042) at Soho Dragon for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Engineering in the Information Technology at Swarnnim institute of technology to be awarded by Swarnnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.



**Internal Guide**

**Prof. Krishn Limbachiya**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## CERTIFICATE

This is to certify that the internship report submitted along with the internship entitled **IT Management & Web developing internship at Getkey Solution LLP** has been carried out by **Jay R Chaudhary** under my guidance in partial fulfilment for the degree of Bachelor in Computer Engineering, 8th Semester of **SWARNIM SRAT-UP & INNOVATION UNIVERSITY** during the academic year 2023-24.



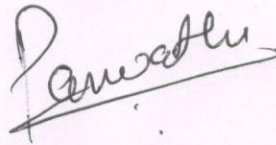
  
SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "SHELL AND TUBE HEAT EXCHANGER" was carried out by Aman Avdhesh Yadav (2024002003), Yuvrajsinh Rajuji Rajput (2024002001), JOSHI PREM BHAKTSHARAN (2024002005) & Bela Jay Alabhai (2125002006) at Swarnim Startup and Innovation University, Gandhinagar for partial fulfilment of B. Tech degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.

Date: 28/5/24  
Place: Gandhinagar



Prof. Dr. Parwathi Pillai (Internal Guide)

Head of Department

(Chemical Engg. Dept.)

Swarnim Startup and Innovation University

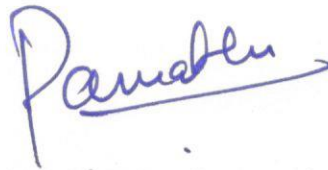
SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "SHELL AND TUBE HEAT EXCHANGER" was carried out by Patel Brijeshkumar Prahladbhai(2125002001), Vaghela Parth Kanubhai(2125002002), Vala Adityasinh Vanrajsinh(2125002003), Awan Mo Ayaz Riyazuddin(2125002004) & Desai Het Anilbhai (2125002005) at Swarnim Startup and Innovation University, Gandhinagar for partial fulfilment of B. Tech degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.

Date: 28/5/24

Place: Gandhinagar



Prof. Dr Parwathi Pillai (Internal Guide)

Head of Department

(Chemical Engg. Dept.)

Swarnim Startup and Innovation University

SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

**Date:** 18/05/24

This is to certify that the project entitled “ **HARMONICITY ZERO CARBON FUTURE** has been carried out by **BIPIN , PRINCE , ARYA** within four walls of **SWARNIM START UP AND INNOVATION UNIVERSITY** under my guidance in fulfillment of the degree of Bachelor of Engineering in Civil Engineering (8th Semester) of academic year 2023-2024.

Internal Guide:

Prof. TARUN MAKWANA

Head of the department

Prof. Mansi Prajapati

External  
Prof. Harsh khaman  
SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

**Date: 18-May-2024**

This is to certify that the project entitled “Utilization of plastic waste as construction material” has been carried out by **Dineshkumar Vanzara, Ghanshyam Sadhu**. within four walls of Swarnnim Institute Of Technology under my guidance in Partial fulfillment of the degree of Bachelor Of Technology in Civil Engineering (8th Semester) of Swarnnim Startup & Innovation University , Gandhinagar-Gujarat during the academic year 2023-2024.

SWARNIM INSTITUTE OF  
TECHNOLOGY




18/05/24

InternalGuide: Prof. Dixit Patel



Head of the Department: Prof. Mansi Prajapati



External  
Harsh Chamar

# CERTIFICATE


**Date:**

This is to certify that the project entitled "**EcoBrick: Sustainable Building Blocks from Cow Dung**" has been carried out by **Chaudhary Harshiddh S, Patel Divy Bharatbhai**. within four walls of Swarnnim Institute Of Technology under my guidance in Partial fulfillment of the degree of Bachelor Of Technology in Civil Engineering (8th Semester) of Swarnnim Startup & Innovation University , Gandhinagar-Gujarat during the academic year 2023-2024.

Internal Guide:

  
18/05/24

External Guide:

  
Harsh Khanna

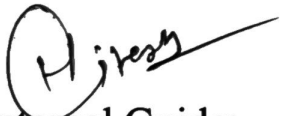
  
Head of the Department:

Prof. Mansi Prajapati

## CERTIFICATE

Date: 18/05/24

This is to certify that research work embodied in this thesis entitled **“PREFABRICATED RCC STRUCTURES”** was carried out by **Mr. Keyur Ghediya(2024003011)**, **Mr. Nilesh Tuvur(2024003004)** at **Swarnim Startup and Innovation University, Gandhinagar** for partial fulfilment of B.Tech degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.



Internal Guide:  
Prof. Hitesh Makad



Head of Department:  
Prof. Mansi Prajapati



External  
Prof. Harsh Khemnar

SWARNIM INSTITUTE  
**TECHNOLOGY**



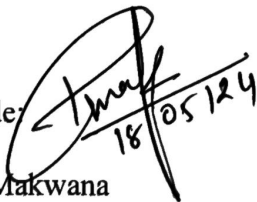
## CERTIFICATE

Date: 18/05/24

This is to certify that the project entitled “Innovative Fog Dispersal System For Road Safety” has been carried out by Niket A. Nakum , Patel Krunal Kumar B. within four walls of Swarnnim Institute Of Technology under my guidance in Partial fulfillment of the degree of Bachelor Of Technology in Civil Engineering (8th Semester) of Swarnnim Startup & Innovation University , Gandhinagar-Gujarat during the academic year 2023-2024.

Internal Guide:

Prof. Tarun Makwana

  
18/05/24

Head of the Department:

Prof. Mansi Prajapati



SWARNIM INSTITUTE OF  
TECHNOLOGY



External

Prof. Harsh Ichamdar

### **BONAFIDE CERTIFICATE**

This is certified that this project report "EXPERIMENTAL ANALYSIS ON FIBER REINFORCED CONCRETE" is the bonafide work which has been carried out the project work under my supervision.



**SIGNATURE**

Ms. Mansi Prajapati

**HEAD OF THE DEPARTMENT**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology



**SIGNATURE**

Mr. Hitesh Makad

**SUPERVISOR**

Assistant Professor

Department of Civil Engineering

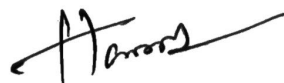
Swarnim Institute of Technology

Submitted for the University Examination held on 18/05/24.

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



**INTERNAL EXAMINER**



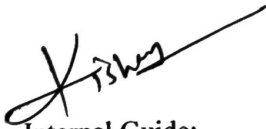
**EXTERNAL EXAMINER**

## CERTIFICATE

Date: 18/05/24

This is to certify that the project entitled “**Pioneering green building innovations**” has been carried out by Patham D. Soni and Akash S. gehlot and Ashish K. Gehlot within four walls of Swarnnim Institute Of Technology under my guidance in Partial fulfillment of the degree of Bachelor Of Technology in Civil Engineering (8th Semester) of Swarnnim Startup & Innovation University , Gandhinagar-Gujarat during the academic year 2023-2024.

SWARNNIM INSTITUTE OF  
TECHNOLOGY



Internal Guide:  
Prof. Kishan Darji



Head of the Department:  
Prof. Mansi Prajapati



External  
Harsh Khanna



## CERTIFICATE



It gives us great pleasure to certify that our student **Ms. Bharti Kushwah (Enrolment No. 2024010002)** Bachelor in Technology of Semester 8 took up the project work in semester 7<sup>th</sup> and its on **"Paribag: Emergency Water Filtration System"** as part fulfilment of Bachelor of Technology in Environmental Engineering Course at Swarnim Startup & Innovation University (SSIU) Gandhinagar. During this project work she has been able to develop capabilities of planning and execution of experiments, compilation of literature, drawing sound and scientific conclusions and scientific discussions and interactions and writing up a Report. We wish **Ms. Bharti Kushwah** success in her future efforts in Environmental Engineering.

*Pawathi*

Head of the Department,

Department of Environmental Engineering,

*Nikita*  
28/09/24

Examiner Signature

*Nikita*

Guide Signature

*[Signature]*

Co-Guide Signature

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TECHNOLOGY

## CERTIFICATE



It gives us great pleasure to certify that our student **Mr. Singh Manish** (Enrolment No. 2024010001) **Bachelor in Technology of Semester 8** took up the project work in semester 7<sup>th</sup> and 8<sup>th</sup> on “Decolourizing of Textile Dye Wastewater using Orthophosphoric Acid” as part fulfilment of Bachelor of Technology in Environmental Engineering Course at Swarnim Startup & Innovation University (SSIU) Gandhinagar. During this project work he has been able to develop capabilities of planning and execution of experiments, compilation of literature, drawing sound and scientific conclusions and scientific discussions and interactions and writing up a Report. We wish **Mr. Singh Manish** success in his future efforts in Environmental Engineering.

*Panwahi*

Head of the Department,

Department of Environmental Engineering,

*Nishi S*  
88/124

Examiner Signature

*Nishi*

Guide Signature

*[Signature]*

Co-Guide Signature

SWARNIM INSTITUTE OF  
TECHNOLOGY

# CERTIFICATE



It gives us great pleasure to certify that our student **Mr. Shalom Shaji** (Enrolment No. **2025010001**) **Bachelor in Technology of Semester 8** took up the project work in semester 7<sup>th</sup> and 8<sup>th</sup> on “**Nitrate removal from wastewater using Activated Shell Charcoal**” as part fulfillment of Bachelor of Technology in Environmental Engineering Course at Swarnim Startup & Innovation University (SSIU) Gandhinagar. During this project work he has been able to develop capabilities of planning and execution of experiments, compilation of literature, drawing sound and scientific conclusions and scientific discussions and interactions and writing up a Report. We wish **Mr. Shalom Shaji** success in his future efforts in Environmental Engineering.

Head of the Department,

Department of Environmental Engineering,

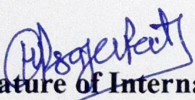
Examiner Signature

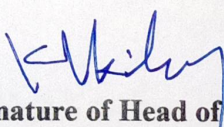
Guide Signature



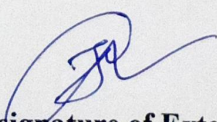
## **CERTIFICATE**

This is to certify that the project entitled **“HIGHWAY WINDMIL”** submitted by **Yash N. Panchal (2024009007)**, **Ninama AnkitKumar VasantBhai (2024009001)**, **Prem Sureshbhai Patel (2024009004)**, **Suthar Shubham chandrakantbhai (2024009005)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

  
**Signature of Internal Guide**  
Prof. Hardik Prajapati  
(Assistant Professor)

  
**Signature of Head of Department**  
Dr. Khubilal Khatri  
(Associate Professor)

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**TECHNOLOGY**

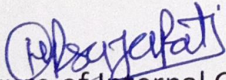
  
**Name & signature of External Guide**



## CERTIFICATE

This is to certify that the project entitled "**Multipurpose Mechanical Machine**" submitted by **Dhavalsinh Vaghela (2024009002)**, **Brayan Manish Christie (2125009003)**, **Patel Deepakkumar (2125009006)**, **Saklani Yuvraj Ramesh (2125009009)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

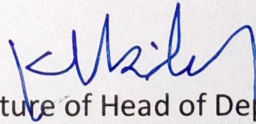
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Hardik Prajapati

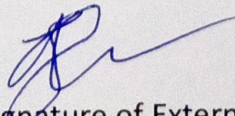
Assistant Professor



Signature of Head of Department

Dr. Khubilal Khatri

Associate Professor



Name & Signature of External Guide

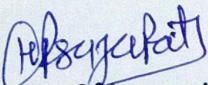
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TECHNOLOGY



## CERTIFICATE

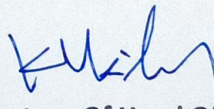
This is to certify that the project entitled **"Automatic MotorBike Stand Slider"** submitted by **Parmar Romil Hasmukhbhai (2024009003), Patel Gaurang (2125009002), Patel Harshil Arvindbhai (2125009004), Patel Virenkumar Prakashbhai (2025009012)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

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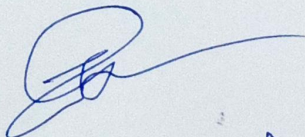
**Signature Of Internal Guide**

Prof. Hardik Prajapati  
(Assistant Professor)



**Signature Of Head Of Department**

Dr. Khubilal Khatri  
(Associate Professor)



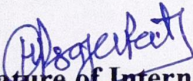
(Prof. Jitendra Prajapati)

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**TECHNOLOGY**



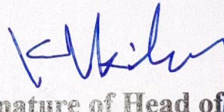
## CERTIFICATE

This is to certify that the project entitled "HIGHWAY WINDMIL" submitted by **Yash N. Panchal (2024009007)**, **Ninama AnkitKumar VasantBhai (2024009001)**, **Prem Sureshbhai Patel (2024009004)**, **Suthar Shubham chandrakantbhai (2024009005)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

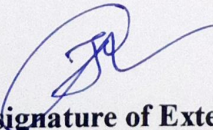
Prof. Hardik Prajapati  
(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri  
(Associate Professor)

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

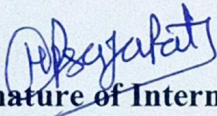


**Name & signature of External Guide**



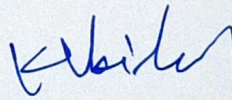
## CERTIFICATE

This is to certify that the project entitled **“MULTIDIRECTION DUMPING SYSTEM”** submitted by **Vasu Makadiya (2125009013), Patel Sharad Rasiklal (2024009006)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Hardik Prajapati  
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri  
(Associate Professor)

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

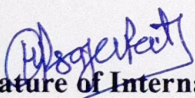


Name & signature of External Guide

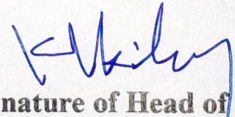


## CERTIFICATE

This is to certify that the project entitled **"HIGHWAY WINDMIL"** submitted by **Yash N. Panchal (2024009007)**, **Ninama AnkitKumar VasantBhai (2024009001)**, **Prem Sureshbhai Patel (2024009004)**, **Suthar Shubham chandrakantbhai (2024009005)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

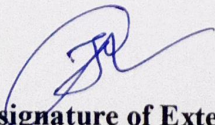
  
**Signature of Internal Guide**

Prof. Hardik Prajapati  
(Assistant Professor)

  
**Signature of Head of Department**

Dr. Khubilal Khatri  
(Associate Professor)

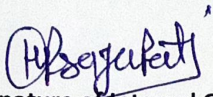
SWARNIM INSTITUTE OF  
**TECHNOLOGY**

  
**Name & signature of External Guide**



## CERTIFICATE

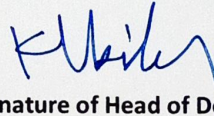
This is to certify that the project entitled "SOLAR WATER DESALINATOR AND PURIFIER MACHINE" submitted by **Purohit Sanket (2024009008)**, **Harshkumar Prabhudas Machhi (2024009010)**, **Shaikh mo. Zaid (2125009010)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.



Signature of Internal Guide

Prof. Hardik Prajapati

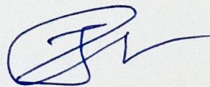
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri

(Associate Professor)



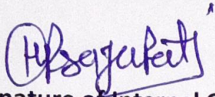
Name and Signature of External Examiner

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

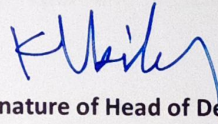
This is to certify that the project entitled "SOLAR WATER DESALINATOR AND PURIFIER MACHINE" submitted by Purohit Sanket (2024009008), Harshkumar Prabhudas Machhi (2024009010), Shaikh mo. Zaid (2125009010) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.



Signature of Internal Guide

Prof. Hardik Prajapati

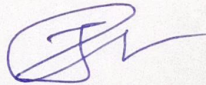
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri

(Associate Professor)



Name and Signature of External Examiner

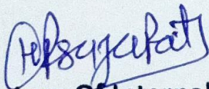
SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

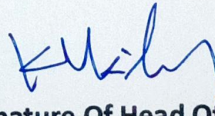
This is to certify that the project entitled **"Automatic MotorBike Stand Slider"** submitted by **Parmar Romil Hasmukhbhai (2024009003), Patel Gaurang (2125009002), Patel Harshil Arvindbhai (2125009004), Patel Virenkumar Prakashbhai (2025009012)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



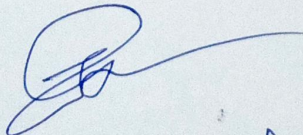
**Signature Of Internal Guide**

Prof. Hardik Prajapati  
(Assistant Professor)



**Signature Of Head Of Department**

Dr. Khubilal Khatri  
(Associate Professor)



(Prof. Jitendra Prajapati)

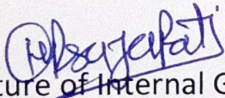
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**Multipurpose Mechanical Machine**" submitted by **Dhavalsinh Vaghela (2024009002)**, **Brayan Manish Christie (2125009003)**, **Patel Deepakkumar (2125009006)**, **Saklani Yuvraj Ramesh (2125009009)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

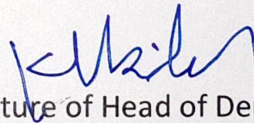
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Hardik Prajapati

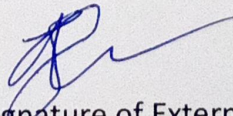
Assistant Professor



Signature of Head of Department

Dr. Khubilal Khatri

Associate Professor



Name & Signature of External Guide

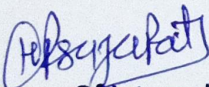
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**Automatic MotorBike Stand Slider**" submitted by **Parmar Romil Hasmukhbhai (2024009003)**, **Patel Gaurang (2125009002)**, **Patel Harshil Arvindbhai (2125009004)**, **Patel Virenkumar Prakashbhai (2025009012)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

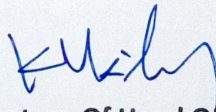
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature Of Internal Guide**

Prof. Hardik Prajapati

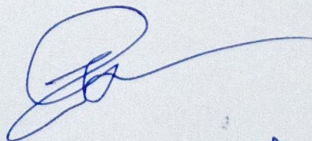
(Assistant Professor)



**Signature Of Head Of Department**

Dr. Khubilal Khatri

(Associate Professor)



(Prof. Jitendra Prajapati)

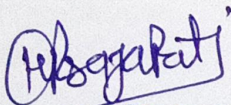
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled “**contactless conveyor belt**” submitted by **Keda Jaykumar (2125009005), Patel Dax Manishbhai (2125009007), Patel Deepkumar (2125009008), Aditya Joshi (2125009011)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

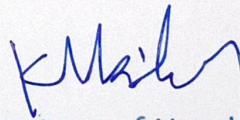
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

**Prof. Hardik Prajapati**

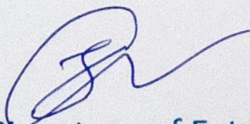
(Assistant Professor)



Signature of Head of Department

**Dr. Khubilal Khatri**

(Associate Professor)



Name and Signature of External Examiner

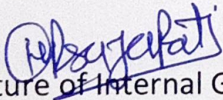
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled “**Multipurpose Mechanical Machine**” submitted by **Dhavalsinh Vaghela (2024009002)**, **Brayan Manish Christie (2125009003)**, **Patel Deepakkumar (2125009006)**, **Saklani Yuvraj Ramesh (2125009009)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

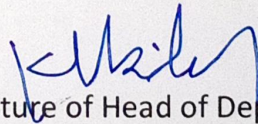
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Hardik Prajapati

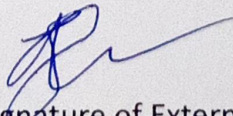
Assistant Professor



Signature of Head of Department

Dr. Khubilal Khatri

Associate Professor



Name & Signature of External Guide

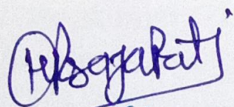
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**contactless conveyor belt**" submitted by **Keda Jaykumar (2125009005)**, **Patel Dax Manishbhai (2125009007)**, **Patel Deepkumar (2125009008)**, **Aditya Joshi (2125009011)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

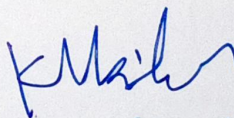
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

**Prof. Hardik Prajapati**

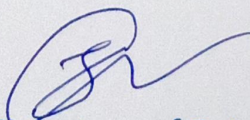
(Assistant Professor)



Signature of Head of Department

**Dr. Khubilal Khatri**

(Associate Professor)



Name and Signature of External Examiner

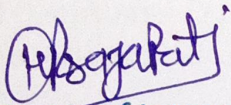
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



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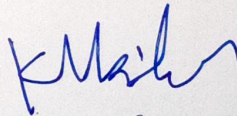
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

**Prof. Hardik Prajapati**

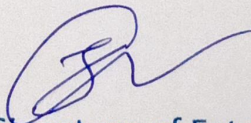
(Assistant Professor)



Signature of Head of Department

**Dr. Khubilal Khatri**

(Associate Professor)



Name and Signature of External Examiner

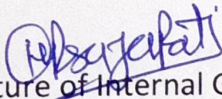
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**Multipurpose Mechanical Machine**" submitted by **Dhavalsinh Vaghela (2024009002)**, **Brayan Manish Christie (2125009003)**, **Patel Deepakkumar (2125009006)**, **Saklani Yuvraj Ramesh (2125009009)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

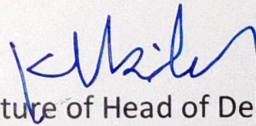
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Hardik Prajapati

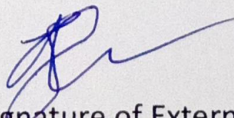
Assistant Professor



Signature of Head of Department

Dr. Khubilal Khatri

Associate Professor



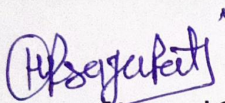
Name & Signature of External Guide

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**TECHNOLOGY**



## CERTIFICATE

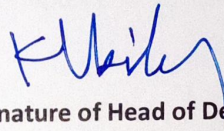
This is to certify that the project entitled "SOLAR WATER DESALINATOR AND PURIFIER MACHINE" submitted by Purohit Sanket (2024009008), Harshkumar Prabhudas Machhi (2024009010), Shaikh mo. Zaid (2125009010) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.



Signature of Internal Guide

Prof. Hardik Prajapati

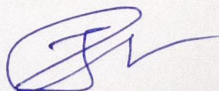
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri

(Associate Professor)



Name and Signature of External Examiner

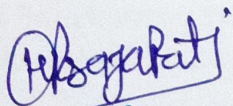
SWARNIM INSTITUTE OF  
TECHNOLOGY



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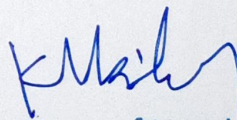
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Signature of Internal Guide

**Prof. Hardik Prajapati**

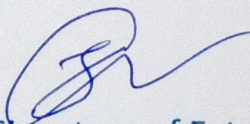
(Assistant Professor)



Signature of Head of Department

**Dr. Khubilal Khatri**

(Associate Professor)



Name and Signature of External Examiner

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

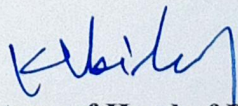


## CERTIFICATE

This is to certify that the project entitled “**MULTIDIRECTION DUMPING SYSTEM**” submitted by **Vasu Makadiya (2125009013), Patel Sharad Rasiklal (2024009006)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

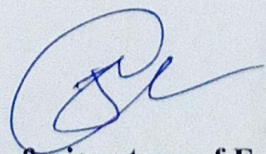
  
Signature of Internal Guide

Prof. Hardik Prajapati  
(Assistant Professor)

  
Signature of Head of Department

Dr. Khubilal Khatri  
(Associate Professor)

SWARNIM INSTITUTE OF  
TECHNOLOGY


  
Name & signature of External Guide



## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "Sustainable Solid Waste Management Projects of Atul Village-Case Study" was carried out by Mr. Dhaval Kamleshbhai Chudasama (Enrolment No: 2226002801) at Swarnnim Institute of Technology for partial fulfillment of Master of Technology degree in Environmental Engineering to be awarded by Swarnnim Startup & Innovation University. This Research work has been carried out under my supervision and guidance and is to my satisfaction.

Date: 28/5/24  
Place: Gandhinagar

  
Dr. Parwathi Pillai  
Head & Ass. Professor  
Department of Environmental Engineering  
Swarnnim Institute of Technology  
Swarnnim Startup & Innovation University  
Gandhinagar

  
Dr. Savan Tank  
Ass. Professor  
Department of Environmental Engineering  
Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University  
Gandhinagar

  
HOD,  
Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University,  
Gandhinagar

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TECHNOLOGY

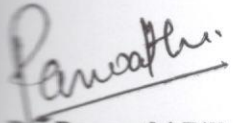


## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "**EXPLORING AMBIENT AIR MONITORING AROUND THE TREATMENT, STORAGE, AND DISPOSAL FACILITIES (TSDF) SITE AT DAHEJ, A COMPARATIVE STUDY**" was carried out by **Mr. Gaurav Rajanikant Patel** (Enrolment No: 2226002802) at **Swarnnim Institute of Technology** for partial fulfillment of **Master of Technology** degree in **Environmental Engineering** to be awarded by **Swarnnim Startup & Innovation University**. This Research work has been carried out under my supervision and guidance and is to my satisfaction.

Date: 28/5/24

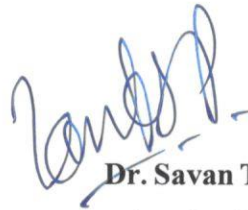
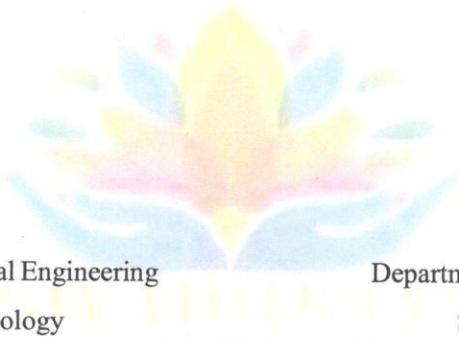
Place: Gandhinagar



**Dr. Parwathi Pillai**

**Head & Ass. Professor**

Department of Environmental Engineering  
Swarnnim Institute of Technology  
Swarnnim Startup & Innovation University  
Gandhinagar



**Dr. Savan Tank**

**Ass. Professor**

Department of Environmental Engineering  
Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University  
Gandhinagar



**HOD,**

Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University,  
Gandhinagar

**SWARNNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "Reclamation of Precious Metals from Electronic Scrap Using the Most Effective Approach" was carried out by Mr. Prayag Vaghela (Enrolment No: 2226002804) at Swarnim Institute of Technology for fulfillment of Master of Technology degree in Environmental Engineering to be awarded by Swarnim Startup & Innovation University. This Research work has been carried out under my supervision and guidance and is to my satisfaction.

Date: 28/5/24  
Place: Gandhinagar.

*Parwathi*

Dr. Parwathi Pillai (Guide)  
Head of Department  
Department of Environmental  
Engineering  
Swarnim Institute of Technology,  
Swarnim Startup & Innovation  
University,  
Gandhinagar

*Savan Tank*

Dr. Savan Tank (Co-Guide)  
Ass. Professor,  
Department of Environmental Engineering  
Swarnim Institute of Technology,  
Swarnim Startup & Innovation  
University,  
Gandhinagar

*Parwathi*

Head of the Department,  
Swarnim Institute of Technology,  
Swarnim Startup & Innovation University,  
Gandhinagar

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

is to certify that research work embodied in this thesis entitled "*Valorization of Red Mud Waste for Cleaner Production of Construction Materials*" was carried out by **Mr. Utsav Makbbhai Patel** (Enrolment No: 2226002805) at **Swarnnim Institute of Technology** for final fulfillment of **Master of Technology** degree in **Environmental Engineering** to be awarded by **Swarnnim Startup & Innovation University**. This Research work has been carried out under my supervision and guidance and is to my satisfaction

28/5/24  
Gandhinagar  
Farwathi Pillai (Guide)

Head of Department,  
Department of Environmental Engineering,  
Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University,  
Gandhinagar



**Dr. Sawan Tank (Co-Guide)**

Asst. Professor  
Department of Environmental Engineering,  
Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University,  
Gandhinagar



Head of the Department,  
Swarnnim Institute of Technology,  
Swarnnim Startup & Innovation University,  
Gandhinagar

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that the project entitled "Elliptical Bicycle" submitted by JASHNPREET SINGH (1924001002), RAJGOR LALITKUMAR RAGHUNATH (1924001004), SHAH DIVYA NILESHBHAI (2015001008) in partial fulfillment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

*Prashant*

Signature of internal guide  
Prof. Prashant Parmar

*[Signature]* 26/06/2023

Name and Signature of External Guide

*[Signature]*

Signature of HOD  
Dr. Khubilal Khatri

SWARNIM INSTITUTE OF  
TECHNOLOGY



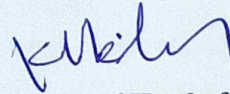
## CERTIFICATE

This is to certify that the project entitled **"ELECTRIC CART CYCLE"** submitted by **AYUSH MUKESHBHAI PATEL (Enrollment. No.1924001001)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



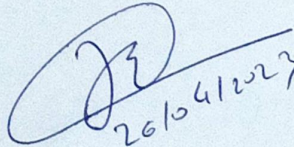
**Signature of Internal Guide**

Prof. Jitendra Prajapati  
(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri  
(Associate Professor)

  
26/04/2023

(Prof. D.K. Prajapati)  
**Name & Signature of External Guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

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*Prashant*

Signature of internal guide  
Prof. Prashant Parmar

*[Signature]* 26/04/2023  
Name and Signature of External Guide

*[Signature]*

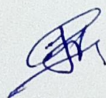
Signature of HOD  
Dr. Khubilal Khatri

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

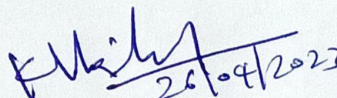
This is to certify that the project entitled **"ELECTRIC CART CYCLE"** submitted by **ANUJ HEMALBHAI PATEL (Enrollment. No.1924001005)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Jitendra Prajapati

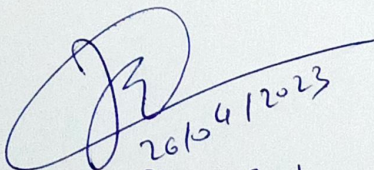
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri

(Associate Professor)



(Prof. J. K. Prajapati)  
Name & Signature of External Guide

SWARNIM INSTITUTE OF  
TECHNOLOGY



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*Prashant*

**Signature of internal guide**  
Prof. Prashant Parmar

*[Signature]* *26/04/2023*  
**Name and Signature of External Guide**

*[Signature]*

**Signature of HOD**  
Dr. Khubilal Khatri

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



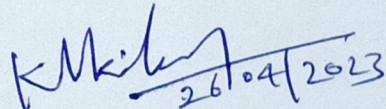
## CERTIFICATE

This is to certify that the project entitled "SOLAR OPERATED GRASS CUTTER" submitted by 2024101001 - SHIVAM KUMAR VELLY 2025001001 - DHRUV HARIKRISHNABHAI PATEL in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



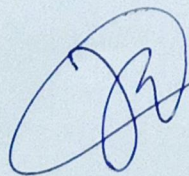
Signature of Internal Guide

Prof. Jugal Bhatt  
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal Khatri  
(Associate Professor)

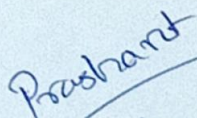


Prof. D.K. Prigopati/  
Signature of External Guide

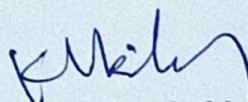


## CERTIFICATE

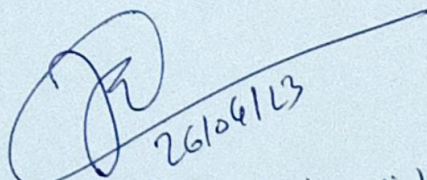
This is to certify that the project entitled "HALF BIKE" submitted by PATEL KROMIK (2025001002)/PATEL PARTH (2025001013)/DARJI VIVEK (2025001003) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide  
(Assistant Professor)  
Prashant Parmar



Signature of head of department  
(Associate professor)  
Dr. Khubilal khatri



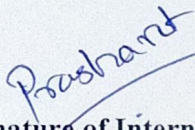
(Prof. D.K. Bujapati)  
Signature of external guide

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TECHNOLOGY

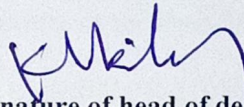


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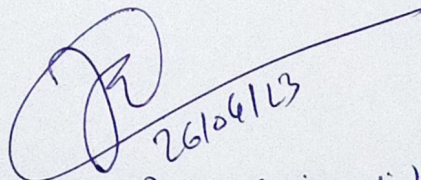
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**Signature of Internal Guide**  
(Assistant Professor)  
Prashant Parmar



**Signature of head of department**  
(Associate professor)  
Dr. Khubilal khatri




**(Prof. D.K. Bujapati)**  
**Signature of external guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**




## CERTIFICATE

This is to certify that the project entitled "ELECTRIC CART CYCLE" submitted by VIPUL RAJESHBHAI LIMBACHIYA (Enrollment. No. 2025001007) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



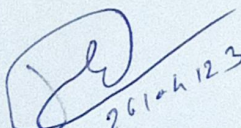
**Signature of Internal Guide**

Prof. Jitendra Prajapati  
(Assistant Professor)



**Signature of Head of Department**

Dr. Khubilal Khatri  
(Associate Professor)



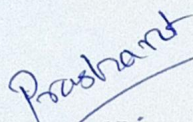
(Prof. Jitendra Prajapati)  
**Name & Signature of External Guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

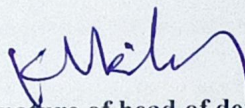


## CERTIFICATE

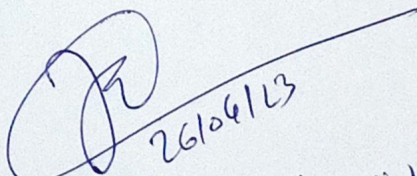
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**Signature of Internal Guide**  
(Assistant Professor)  
Prashant Parmar



**Signature of head of department**  
(Associate professor)  
Dr. Khubilal khatri

  
26/06/23

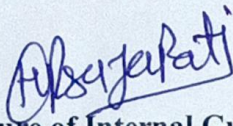
**(Prof. D.K. Bujaruti)**  
**Signature of external guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



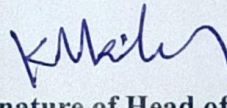
## CERTIFICATE

This is to certify that the project entitled "AGRICULTURE DRONE" submitted by VAIBHAV PRAFULBHAI PATEL (2025001014) in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

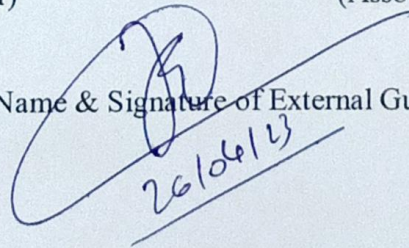
Prof. Hardik Prajapati  
(Assistant Professor)



Signature of Head of Department

Dr. Khubilal khatri  
(Associate Professor)

Name & Signature of External Guide

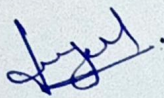
  
26/06/23

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## CERTIFICATE

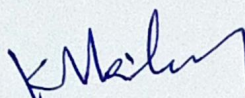
This is to certify that the project entitled Wireless Charging System for EVs vehicle submitted by Ravat Rahul (2025001015), Makwana Karan (2025001018), Solanki Niraj (2025001019) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

(Assistant Professor)

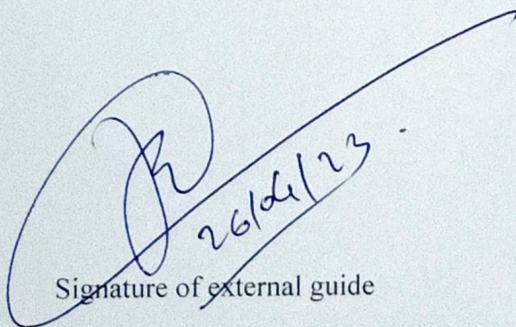
Prof. Jugal Bhatt



**Signature of Head of Department**

(Associate Professor)

Dr. Khubilal Khatri



Signature of external guide

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**TECHNOLOGY**





**SWARNIM STARTUP & INNOVATION UNIVERSITY**

**Swarnnim Institute of Technology**

Gandhinagar, Gujarat

# **CERTIFICATE**

This is to certify

Mr/Ms. Rajput Harsh Omprakash Enrollment No. 1924004001 of Semester 8<sup>TH</sup>  
Degree Course in Computer Engineering has Satisfactorily Completed his/her  
term work in Project The Little Things Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:

SWARNIM INSTITUTE OF  
**TECHNOLOGY**





**SWARNIM STARTUP & INNOVATION UNIVERSITY**

**Swarnnim Institute of Technology**

Gandhinagar, Gujarat

# **CERTIFICATE**

This is to certify

Mr/Ms. Jethva Harsh PravinBhai Enrollment No. 1924004010 of Semester 8<sup>TH</sup>  
Degree Course in Computer Engineering has Satisfactorily Completed his/her  
term work in Project The Little Thing Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:11/05/23

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:

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TECHNOLOGY



SWARNIM STARTUP & INNOVATION UNIVERSITY

Swarnnim Institute of Technology

Gandhinagar, Gujarat

# CERTIFICATE

This is to certify

Mr/Ms. Gautam Naidu Kiran Bhai Enrollment No. 1924008008 of Semester 8<sup>th</sup>  
Degree Course in InformationTechnology has Satisfactorily Completed his/her  
term work in Project The Little Things Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:



# SWARRNIM STARTUP & INNOVATION UNIVERSITY GANDHINAGAR GUJARAT

SWARRNIM INSTITUTE OF TECHNOLOGY



## CERTIFICATE

This is to certify that the internship report submitted, along with the project entitled **EASY PREDICT**, has been carried out by **PARTH DAVE** under my guidance in fulfillment of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING**, 8th Semester of Swarnnim Startup & Innovation University during the academic year 2023-24.

Prof. Krishn Limbachiya  
Internal Guide

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

Dr. Mohit Bhadla  
Head of the Department

SWARNIM AND INNOVATION UNIVERSITY  
DEPARTMENT OF COMPUTER ENGINEERING



**CERTIFICATE**

This is to certify that the final year project entitled "E-commerce Website" has been carried out by Vidhi Patel (2024004002) under my guidance of fulfillment of the Degree of Bachelor of Engineering in Computer Engineering during the academic year 2023-2024.

  
HEAD OF DEPARTMENT  
MR. KALPESH PATEL

SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to verify that "**SUMMER INTERNSHIP-2024**" embodied in this technology HTML, CSS, JS, J QUERY was carried out by **Solanki Hardik Surendra (2024004003)** at Top's Technologies Pvt. Ltd. for fulfillment of the requirements for the 8<sup>th</sup> Semester Degree of **Bachelor of Engineering** in the Computer Engineering at **Swarnim Startup And Innovation University** to be awarded by Gujarat Technological University. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date:

Place:



Prof. Krishn Limbachiya

Internal Guide



Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY

SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY

Department of Information Technology

Bhoyan Rathod, Dist. Gandhinagar -382 422



## CERTIFICATE

This is to certify that Final year project report entitled " industry internships report " is the work carried out **BHINGRADIYA YASKUMAR [2024004004]** students of Computer Engineering, Swarnnim institute of technology, Swarnnim startup and innovation university under the supervision of Krishn Limbachiya, Professor, Swarnnim institute of technology, Swarnnim startup and innovation university during the academic year 2023-24.

DATE OF SUBMISSION

15 / 04 / 2024

GUIDE:

EXTERNAL:

SWARNIM INSTITUTE OF  
TECHNOLOGY



B. Tech - Computer Science and Engineering



### CERTIFICATE

This is to certify that the internship report submitted along with the internship entitled **Data science and machine learning internship at InSolare Energy** has been carried out by **SHREYAS PATEL** under my guidance in partial fulfilment for the degree of Bachelor of Engineering in **COMPUTER SCIENCE AND ENGINEERING**, 8th Semester of **SWARNIM START-UP & INNOVATION UNIVERSITY** during the academic year 2023-24.

Date: 05/04/2024

### TO WHOM IT MAY CONCERN

This is to certify that Shreyas Patel, a student of Adani Institute of Infrastructure

SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to certify that Data science internship report, submitted has been carried out by **Daksh Patel(2024004007)** under Guidance in partial fulfillment for the degree of engineering in computer engineering **8TH** semester of **Swarnim Startup and Innovation University, Gandhinagar** during academic year 2023-2024.

Date: 15/4/24

Place: GANDHINAGAR

Student's signature

Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY





## Certificate

This is to certify that Expensemanger website reports, submitted along with the project entitled has been carried out by **Preeti Sah(2024004010)** under Guidance in partial fulfillment for the degree of engineering in computer engineering **8TH semester** of **Swarnim Startup and Innovation University, Gandhinagar** during academic year 2023-2024.

Date:

Place:

Student's signature

A handwritten signature in blue ink, appearing to read 'Preeti Sah', is written over the 'Place:' label.

A handwritten signature in blue ink, appearing to read 'Dr. Mohit Bhadla', is written over the signature line.

Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY

# SWARNIM INSTITUTE OF TECHNOLOGY



## CERTIFICATE

This is to certify that the internship report submitted, along with the project entitled **Internship Report**, has been carried out by **Luhar Khushi** under my guidance in fulfillment of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING, 8th Semester** of Swarnim Startup & Innovation University during the academic year 2023-24.

Prof. Bhavesh Berani  
Internal Guide

Dr Mohit Bhadla  
Head of the Department

SWARNIM INSTITUTE OF  
TECHNOLOGY

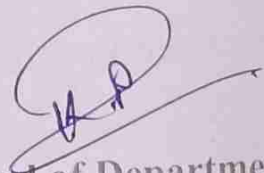


### Certificate

This is to certify that Mr /Ms Dhruvil Mistry from Swarnnim startup and innovation college having Enrollment No: 2024004015 branch: CE semester: 8<sup>TH</sup> semester has completed project on E-commerce Website.



Institute Guide



Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Multi Mart** has been carried out by **Patel Dhruv[2024004018]** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Computer, 8<sup>th</sup> Semester of Swarnim Startup and Innovation University, Gandhinagar during the academic year 2020-24.

**KRISHN LIMBACHIYA**

Internal Guide

**DR. MOHIT BHADLA**

Head of the Department

SWARNIM INSTITUTE OF  
**TECHNOLOGY**





## CERTIFICATE

Date:-15-04-2024

This is to certify that the project entitled "SPREAD THE SMILE- AN FOOD DONATING APP" has been carried out by ketukuar patel (2024004020) under my guidance in partial fulfilment of the project in Bachelor Of Engineering in Computer Engineering Sth semester of Gujarat Technological University, during the academic year 2023-2024.

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

Internal guide:

  
Asst. prof. krishn Limbachiya



## CERTIFICATE

This is to certify that the internship report submitted, along with the project entitled **Internship Report**, has been carried out by **Panchal Jay** under my guidance in fulfillment of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING, 8th Semester** of Swarnim Startup & Innovation University during the academic year 2023-24.

Prof. Bhavesh Berani  
Internal Guide

Dr Mohit Bhadla  
Head of the Department

SWARNIM INSTITUTE OF  
TECHNOLOGY





**Swarnnim Institute of Technology**

**Bhoyan-rathod, Gandhinagar**

## **CERTIFICATE**

This is to certify that the project report submitted along with the project entitled **Customer Segmentation** has been carried out by **Sharma Ruchi** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Computer Engineering , 8<sup>th</sup> Semester of Gujarat Technological University, and Ahmadabad during the academic year 2021-22.

**Prof. Krishn Limbachiya**

**Internal Guide**

**Dr. Mohit Badla**

**Head of the Department**

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# SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY  
Department of Information Technology

Bhoyan Rathod, Dist. Gandhinagar -382 422.



## CERTIFICATE

This is to certify that Software Engineering project report entitled "Smart Parking System" is the work carried out **KRUTARTH PATEL** student of Computer Engineering, Swarnnim institute of technology, Swarnnim startup and innovation university under the supervision of **Krishn Limbachiya**, Professor, Swarnnim institute of technology, Swarnnim startup and innovation university during the academic year 2023-24.

DATE OF SUBMISSION:

15/04/2024

SWARNNIM INSTITUTE OF TECHNOLOGY

Guide:

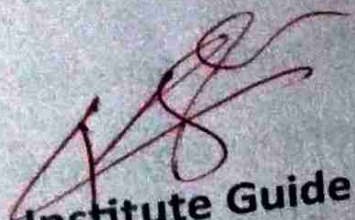


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TECHNOLOGY



## Certificate

This is to certify that Mr /Ms Maulik Patel from Swarnnim startup and innovation college having Enrollment No: 2024004036 branch: IT semester: 8<sup>TH</sup> semester has completed project on **We chat** Application.

  
Institute Guide

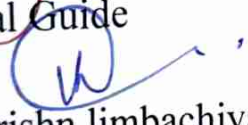
  
Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY

## Certificate

This is to verify that "INTERNSHIP-2024" embodied in Website Development was carried out by Rushi Rajnikant Patel (2024004039) at Birdmorning Solutions PVT.LTD. for fulfillment of the requirements for the 8th Semester Degree of Bachelor of Engineering in Computer Engineering at Swarnim Institute of Technology to be awarded by Swarnim Startup and Innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.

  
Internal Guide

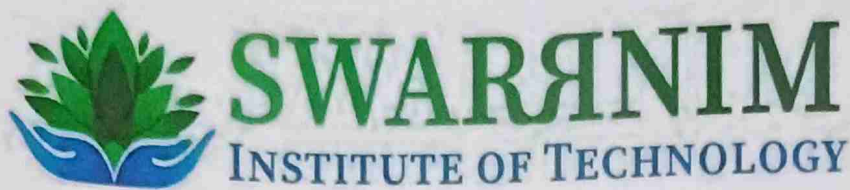
  
Prof. krishn limbachiya

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



# SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY  
Department of Information Technology  
Bhoyan Rathod, Dist. Gandhinagar -382 422.



## CERTIFICATE

This is to certify that Software Engineering project report entitled "Smart Parking System" is the work carried out DIVY PATEL student of Computer Engineering, Swarnim institute of technology, Swarnim startup and innovation university under the supervision of Krishn Limbachiya, Professor, Swarnim institute of technology, Swarnim startup and innovation university during the academic year 2023-24.

DATE OF SUBMISSION:

15/04/2024

Guide:

External:

SWARNIM INSTITUTE OF  
TECHNOLOGY

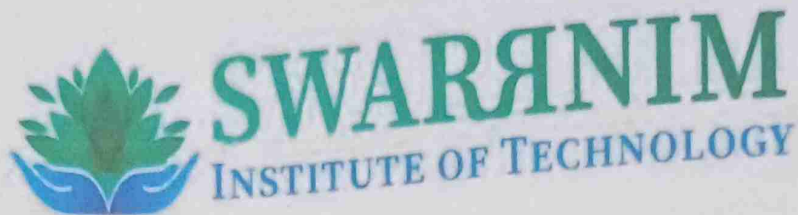
SWARRNIM INSTITUTE OF TECHNOLOGY

SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY

Department of Information Technology

Bhoyan Rathod, Dist. Gandhinagar -382 422.



## CERTIFICATE

This is to certify that Software Engineering project report entitled "Cafe management " is the work carried out by **Bhavin Pawar** students of **Computer Engineering**, Swarnim institute of technology, Swarnim startup and innovation university under the supervision of Professor krishn limbachiya, Swarnim institute of technology, Swarnim startup and innovation university during the academic year 2023-24.

SWARNIM INSTITUTE OF  
TECHNOLOGY

DATE OF SUBMISSION:

15/11/24

Guide:

External:

K-P

SWARNIM INSTITUTE OF TECHNOLOGY



## CERTIFICATE

This is to certify that the report entitled "**Salon Booking Management**" is a bonafied work carried out by **Komal Dumaniya (2024008003)** under the guidance and supervision of **Prof. Krishn Limbachiya** for the subject **Project II** of 8<sup>th</sup> Semester of Bachelor of Technology in **Information Technology** at Faculty of Technology & Engineering – SSIU, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

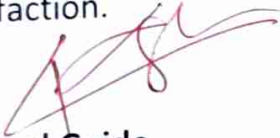


Under supervision of,  
**Prof. Krishn Limbachiya**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## Certificate

This is to verify that "INTERNSHIP-2024" embodied in Odoo(Open ERP) & Python was carried out by Priyank Kuvadiya (2024008005) at Bista Solutions for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Engineering in the Information Technology at Swarnim institute of technology to be awarded by Swarnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.



**Internal Guide**  
**Prof. Krishn Limbachiya**

SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to certify that Movies/TV Shows streaming website reports, submitted along with the project entitled '**Netflix Clone**' has been carried out by **Patel Pinesh (2024008006)**, under Guidance in partial fulfilment for the degree of engineering in IT engineering 8th semester of Swarnim Startup and Innovation University, Gandhinagar during academic year **2023- 2024**.

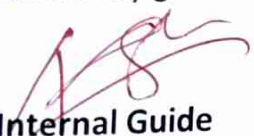


Head of Department  
Prof. Mohit Bhadla

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## Certificate

This is to verify that "INTERNSHIP-2024" embodied in Web Development was carried out by Jainesh Prajapati (2024008007) at Vault of Codes for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Engineering in the Information Technology at Swarnim institute of technology to be awarded by Swarnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.



**Internal Guide**  
**Prof. Krishn Limbachiya**

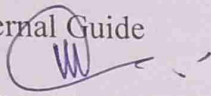
SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to verify that "INTERNSHIP-2024" embodied in Website Development was carried out by Vinit Mukeshkumar Jaiswal (2024008010) at Birdmorning Solutions PVT.LTD. for fulfillment of the requirements for the 8th Semester Degree of Bachelor of Engineering in Computer Engineering at Swarnim Institute of Technology to be awarded by Swarnim Startup and Innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Internal Guide

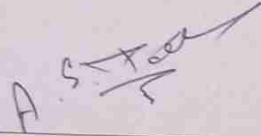
  
Prof. krishn limbachiya

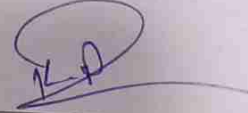
SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to verify that In Fulfillment of Industrial training/Major Project (PT) embodied in this technology Cyber Security was carried out by Aum Patel [2024008011] at Slash Mark for fulfilment of the requirements for the 8<sup>th</sup> Semester Degree of Bachelor of Engineering in the Information Technology at **Swarnim Startup and Innovation University**. This work has been carried out under my guidance and supervision and it is to my satisfaction.

  
Student's Signature

  
H.O.D

SWARNIM INSTITUTE OF  
TECHNOLOGY





**Swarnnim Startup and Innovation University**

Swarnnim Institute of technology

Gandhinagar, Gujarat

**An Internship Report at**

**ESSENCE SOLUSOFT**

On position

**Full Stack Developer Intern**

**Submitted by**

**ZEEL PATEL [2024008012] SEM 8<sup>th</sup> [IT]**

In Fulfilment Of Industrial Training/Major Project

Of

Semester 8<sup>th</sup>

B.tech IT branch

## Certificate

This is to verify that "INTERNSHIP-2024" embodied in App Development using Android was carried out by Chaudhari Brijesh (2024008021) at Urban Ethics for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Engineering in the Information Technology at Swarnim institute of technology to be awarded by Swarnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.



Internal Guide

Prof. Krishn Limbachiya



Head Of Department

Dr. Mohit

SWARNIM INSTITUTE OF  
TECHNOLOGY



**CERTIFICATE**

This is to verify that "SUMMER INTERNSHIP-2024" embodied in this Position Web Developer was carried out by CHAUDHARI RITU BHARATBHAI 2024008022 at Opsys Global in partial fulfilment for Degree of Bachelor of Technology in Information Technology at 8<sup>th</sup> Semester of Swarnim Institute of Technology.

This work has been carried out under my guidance and supervision and it is to my satisfaction.

DATE:

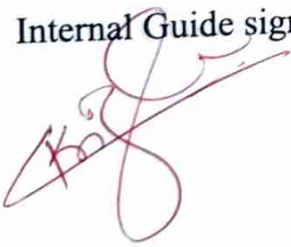


Student's sign.



Head of The Department sign.


Internal Guide sign.



SWARNIM INSTITUTE OF  
TECHNOLOGY


## CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Full stack with Python-Django / Taxi Booking System** has been carried out by **Ghanshyam Mali** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in IT, 8<sup>th</sup> Semester of Swarnim Startup & Innovation University during the academic year- 2024.



Internal Guide

Krishn Limbachiya



Head of the Department  
Dr. Mohit Bhadla

Date : 15/4/24

Place: Gandhinagar

SWARNIM INSTITUTE OF  
TECHNOLOGY



# SWARRNIM STARTUP AND INNOVATION UNIVERSITY

SWARRNIM STARTUP & INNOVATION UNIVERSITY

Department of Information Technology

Bhojan Rathod, Dist. Gandhinagar -382 422



## CERTIFICATE

This is to certify that Final year project report entitled " **Industry Internship Report** " is the work carried out by **Aakash Dubey [2024008032]** student of Information Technology Department, Swarnim institute of technology, Swarnim startup and innovation university under the supervision of Prof. Krishn Limbachiya, Swarnim institute of technology, Swarnim startup and innovation university during the academic year 2023-24.

DATE OF SUBMISSION

15 / 04 / 24

GUIDE:

EXTERNAL:


SWARNIM INSTITUTE OF  
TECHNOLOGY


## CERTIFICATE

This is to verify that "Project 2-2024" embodied in Java full stack Development was carried out by Parth Rameshpuri Goswami (2024008033) at Qspiders Pvt. Ltd. for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Technology in the Information Technology at Swarnnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date: 15/04/2024

Place: Gurudhinagar

  
Student's signature

  
Dr. Mohit Bhadla  
Head of Department

SWARNIM INSTITUTE OF  
**TECHNOLOGY**




# SWARRNIM STARTUP & INNOVATION UNIVERSITY GANDHINAGAR GUJARAT

## SWARRNIM INSTITUTE OF TECHNOLOGY



### CERTIFICATE

This is to certify that the internship report submitted, along with the project entitled **HEART DISEASE PREDICTION**, has been carried out by **MILIND JOSHI** under my guidance in fulfillment of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING**, **8th Semester** of Swarnnim Startup & Innovation University during the academic year 2023-24.

  
Prof. Krishn Limbachiya  
Internal Guide

SWARNIM INSTITUTE OF  
TECHNOLOGY


  
Dr. Mohit Bhadla  
Head of the Department

## Certificate

This is to certify that Mr /Ms Khushi Chaudharifrom Swarnnim  
startupand innovation college having Enrollment No: 2024008037  
branch: IT semester: 8<sup>TH</sup> semester has completed project on E-  
commerce Website.



**Institute Guide**



**Head of Department**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



# SWARNIM STARTUP AND INNOVATION UNIVERSITY

SWARNIM STARTUP & INNOVATION UNIVERSITY

**Department of Information Technology**

Bhoyan Rathod, Dist. Gandhinagar -382 422



**SWARNIM**  
INSTITUTE OF TECHNOLOGY

## CERTIFICATE

This is to certify that Final year project report entitled " **Industry Internship Report** " is the work carried out by **Amit Yadav [2024008039]** student of Information Technology Department, Swarnim institute of technology, Swarnnim startup and innovation university under the supervision of Prof. Krishn Limbachiya, Swarnnim institute of technology, Swarnnim startup and innovation university during the academic year 2023-24.

DATE OF SUBMISSION

15 / 04 / 2024

GUIDE:

EXTERNAL:

SWARNIM INSTITUTE OF  
TECHNOLOGY

## ***Certificate***

This is to verify that "INTERNSHIP-2024" embodied in Application Development was carried out by Vishwa Panchal (2024008041) at Soho Dragon for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Engineering in the Information Technology at Swarnnim institute of technology to be awarded by Swarnnim startup and innovation University. This work has been carried out under my guidance and supervision and it is to my satisfaction.



**Internal Guide**

**Prof. Krishn Limbachiya**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## Certificate

This is to certify that "Summer Internship-2024" reports, submitted along with the project entitled **Trust Forge Kit** has been carried out by **Nidhi Prajapati (2024008043)** under Guidance in partial fulfillment for the degree of B.Tech in Information Technology **8<sup>th</sup> Sem** at **Swarnim Startup and Innovation University, Gandhinagar** during academic year 2023-2024.



Internal Guide  
Dr. Mohit Bhadla



Head of Department  
Dr. Mohit Bhadla

SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that the internship report submitted along with the project entitled '**CHAT APP**' has been carried out by **PANCHAL SHARAD SHAILESHBHAI (2024008045)** under my guidance in fulfilment for the degree of Bachelor of Engineering in Information Technology, 8<sup>th</sup> Semester of Swarnnim Startup and Innovation University, Ahmadabad during the academic year 2024.



Prof. Bhavesh Berani

**Internal Guide**



Dr. Mohit Bhadla

**Head Of The Department**

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

Date: 18/02/2024

This is to certify that the project entitled (**Hotel Management System**) has been carried out by **Jay Upadhyay (2024008048)** under guidance in partial fulfillment for the degree of **Bachelor of Information Technology of 8<sup>th</sup> Semester of Swarnim Startup and Innovation University, Gandhinagar** during the academic year 2023- 2024.

Under Tops Technology

Project Manager

Jay Prajapati

  
SWARNIM INSTITUTE OF  
TECHNOLOGY

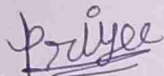
2024016003

## CERTIFICATE

This is to verify that "Industrial Training/Major Project (PT)-2024" embodied in **Python Development** was carried out by **Priya Jitendrabhai Choksi (2024016003)** at **Arihant AI** for fulfilment of the requirements for the 8<sup>th</sup> Semester Degree of Bachelor of Technology in the Computer Engineering (Specialization in Artificial Intelligence) at **Swarnim startup and innovation University**. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date: 15/04/2024

Place: Gandhinagar



Student's signature



Dr. Mohit Bhadla

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY

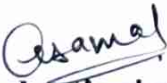



## *Certificate*

This is to verify that "SUMMER INTERNSHIP-2024" was carried out by DEBASHISH SAMAL – 2024008017 at VaultofCodes Technologies as an Python Programming Intern for fulfilment of the requirements for the 8th Semester Degree of Bachelor of Technology in Information Technology at Swarnim Institute of Technology. This work has been carried out under my guidance and supervision and it is to my satisfaction.

Date : 15/4/24

Place:

  
Student's signature

  
Dr. Mohit Bhadla  
Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



[Name of the Institute]

Institute Address

## CERTIFICATE

This is to certify that the project reports submitted along with the project entitled <Internship/Blogger> has been carried out by <Damor Himanshu> under my guidance in partial fulfillment for the degree of Bachelor of Engineering in <Name of the Branch>, 8<sup>th</sup> Semester of Gujarat Technological University, Ahmedabad during the academic year 2021-22.

<Sign>

<Name of Internal Guide>

Internal Guide

<Sign>

<Name of Head of the Department>

Head of the Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



## Certificate

This is to certify that Mr /Ms Dhrumil Darji from Swarnnim  
startupand innovation college having Enrollment No: 2024008002  
branch: IT semester: 8<sup>TH</sup> semester has completed project on E-  
commerce Website.

Institute Guide

Head of Department

SWARNIM INSTITUTE OF  
TECHNOLOGY



SWARNIM STARTUP & INNOVATION UNIVERSITY

Swarnim Institute of Technology

Gandhinagar, Gujarat

# CERTIFICATE

This is to certify

Mr/Ms. Rajput Harsh Omprakash Enrollment No. 1924004001 of Semester 8<sup>TH</sup>

Degree Course in Computer Engineering has Satisfactorily Completed his/her

term work in Project The Little Things Within four walls of the

laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:

SWARNIM INSTITUTE OF  
TECHNOLOGY





SWARNIM STARTUP & INNOVATION UNIVERSITY

Swarnim Institute of Technology

Gandhinagar, Gujarat

# CERTIFICATE

This is to certify

Mr/Ms. Jethva Harsh PravinBhai Enrollment No. 1924004010 of Semester 8<sup>TH</sup>  
Degree Course in Computer Engineering has Satisfactorily Completed his/her  
term work in Project The Little Thing Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:11/05/23

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:

SWARNIM INSTITUTE OF  
TECHNOLOGY



SWARNIM STARTUP & INNOVATION UNIVERSITY

Swarnnim Institute of Technology

Gandhinagar, Gujarat

# CERTIFICATE

This is to certify

Mr/Ms. Gautam Naidu Kiran Bhai Enrollment No. 1924008008 of Semester 8<sup>th</sup>

Degree Course in Information Technology has Satisfactorily Completed his/her

term work in Project The Little Things Within four walls of the

laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign: 





**SWARNIM STARTUP & INNOVATION UNIVERSITY**

**Swarnnim Institute of Technology**

Gandhinagar, Gujarat

# **CERTIFICATE**

This is to certify

Mr/Ms. Rajput Harsh Omprakash Enrollment No. 1924004001 of Semester 8<sup>TH</sup>  
Degree Course in Computer Engineering has Satisfactorily Completed his/her  
term work in Project The Little Things Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



**SWARNIM STARTUP & INNOVATION UNIVERSITY**

**Swarnnim Institute of Technology**

Gandhinagar, Gujarat

# **CERTIFICATE**

This is to certify

Mr/Ms. Jethva Harsh PravinBhai Enrollment No. 1924004010 of Semester 8<sup>TH</sup>  
Degree Course in Computer Engineering has Satisfactorily Completed his/her  
term work in Project The Little Thing Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:11/05/23

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:

SWARNIM INSTITUTE OF  
TECHNOLOGY





SWARNIM STARTUP & INNOVATION UNIVERSITY

Swarnnim Institute of Technology

Gandhinagar, Gujarat

# CERTIFICATE

This is to certify

Mr/Ms. Gautam Naidu Kiran Bhai Enrollment No. 1924008008 of Semester 8<sup>th</sup>  
Degree Course in InformationTechnology has Satisfactorily Completed his/her  
term work in Project The Little Things Within four walls of the  
laboratory / Drawing Hall Of this University during the academic year 2022-23

Place: SSIU

DATE:

Supervisor: Prof. Kalpesh Patel

HOD- Prof. Kalpesh Patel

Faculty Sign:



SWARNIM STARTUP AND INNOVATION UNIVERSITY

CHEMICAL ENGINEERING DEPARTMENT

**CERTIFICATE**

**THIS IS TO CLARIFY THAT**

**MR. PATEL JAIMINKUMAR J. ENROLLMENT NUMBER 2025002006 BRANCH BACHLOR OF TECHNOLOGY IN CHEMICAL ENGINEERING SEMESTER 8<sup>th</sup> HAS SATISFACTORY COMPLETED THE PROJECT OF Slurry Acid (LABSA) IN THE YEAR OF 2021 – 2023.**

**DATE OF SUBMISSION:**

**SIGNATURE OF H.O.D:**

**SIGNATURE OF GUIDE:**

**External Examiner:**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**





## *CERTIFICATE*

This is to certify that Project of 8<sup>th</sup> Semester entitled "Soxhlet Extraction"  
has been successfully completed by:

✚ Karankumar Gohil  
(2025002005)

under my guidance in partial fulfillment of the Bachelor of Technology (B.TECH)  
in Chemical Engineering of Swarnim University in Academic Year 2021-2023.

Project Guide :

**Asst. Prof. Dr. Sayantani Basu**

Head of Department:

**Dr. Sayantani Basu**

**External Examiner**

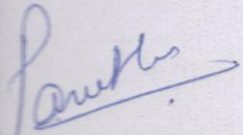
SWARNIM INSTITUTE OF  
**TECHNOLOGY**

## CERTIFICATE


This is to certify that research work embodied in this thesis entitled "Manufacturing OF Paper From Grounnutshell" was carried out by Mr. Krunal Samirkumar Mahida (2025002004) at Swarnim Startup and Innovation University, Gandhinagar for partial fulfilment of B.Tech degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.

Date: 30/5/23

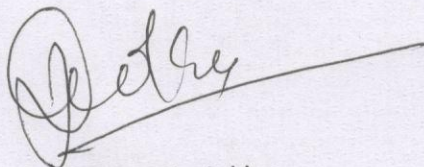
Place: Gandhinagar



Dr. Parwathi Pillai  
Project Guide



Dr. Sayantani Basu  
Head of  
Department  
(Chemical Engg.  
Dept.)  
Swarnim Startup and Innovation  
University



Dr. V.M Dholakiya  
(Principal)  
Swarnim Institute of Technology



## **CERTIFICATE**

This is to certify that Project-I -Subject code 203103408 of 7<sup>th</sup> Semester entitled **OPTIMIZATION STUDIES OF CHEMICAL PROCESSES** has been successfully completed by:

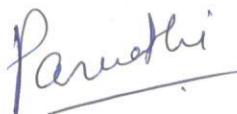
**MIT SHAH (2025002003)**

under my guidance in fulfillment of the Bachelor of Technology (B. TECH) in Chemical Engineering of Parul University in Academic Year 2022-2023.



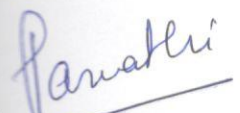
**Project Guide**

**Dr. Parwathi Pillai**



**Project Coordinator**

**Dr. Parwathi Pillai**



**Head of Chemical Department,**

**Dr. Sayantani Basu**



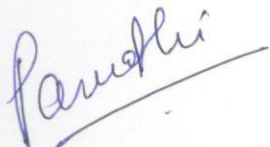
**External Examiner**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

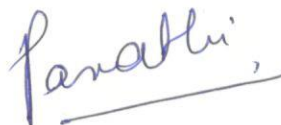
**ACKNOWLEDGEMENT**

## CERTIFICATE

This is to certify that the project entitled "Manufacturing of Aluminium base PCB" submitted by **Shubham Patel** in partial fulfilment for the requirements for the award of Bachelor of Engineering in Chemical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide



Head of Department



**Dr. Sayantani Basu**

(Professor)



**Dr. Sayantani Basu**

(Chemical & Environment Engineering)



External Examiner

Dean and Director



**Dr. M.B. Dholakia**

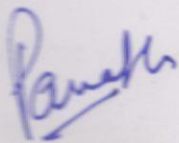


## **CERTIFICATE**

This is to certify that Project-I -Subject code 203103408 of 7<sup>th</sup> Semester entitled  
"Studies on Electrochemical Oxidation Treatment of Dye  
Effluent using Novel Catalytic Electrodes" has been successfully  
completed by

**URVA PATEL (2025002002)**

under my guidance in fulfillment of the Bachelor of Technology (B. TECH) in  
Chemical Engineering of Swarnim University in Academic Year 2022-2023

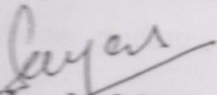


**Project Guide:**

**Dr. Parwathi Pillai**

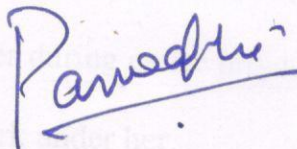
**Professor**

**Dept. of Chemical Engineering**



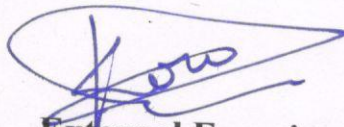
**Head of Chemical Department:**

**Dr. Sayantani Basu**



**Project Coordinator:**

**Dr. Parwathi Pillai**



**External Examiner:**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

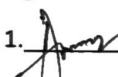
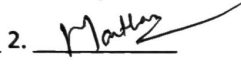
**SWARNIM INSTITUTE OF TECHNOLOGY - SSIU**

---

**CANDIDATE'S DECLARATION**

I hereby certify that the work which is being presented in the thesis entitled "**EXPERIMENTAL STUDY ON TRIPLE BLENDED HIGH PERFORMANCE CONCRETE WITH SILICA FUME AND METAKAOLIN**" by **AMAN SHAH (1924003001)** and **MANTHAN METHA (1924003004)** in partial fulfilment of requirements for the award of degree of bachelor submitted in the Department of civil Engineering at **SWARNIM INSTITUTE OF TECHNOLOGY** under an authentic record of our own work carried out during a period from 12/03/2023 to 21/04/2023 under the supervision of **PROF. DIXIT PATEL**. The matter presented in this thesis has not been submitted by us in any other University / Institute for the award of B.E. Degree.

Signature of the Student,

1.  2. 

This is to certify that the above statement made by the candidate is correct to the best of my/our knowledge.


The B. E. Viva-Voce Examination of


**AMAN SHAH.**

**MANTHAN METHA.**

Has been held on 22/05/23 and accepted.

  
Signature of Supervisor  
(**PROF. DIXIT PATEL**)

  
Signature of H.O.D  
(**PROF. MANSI PRAJAPATI**)

  
Signature of External  
Examiner

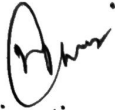
**SWARNIM INSTITUTE OF  
TECHNOLOGY**



## BONAFIDE CERTIFICATE

This is certified that this project report "EXPERIMENTAL STUDY OF GEO-POLYMER CONCRETE" is the bonafied work which has been carried out the project work under my supervision.

**SIGNATURE**



Mrs. Mansi Prajapati

**HEAD OF THE DEPARTMENT**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology

**SIGNATURE**



Mr. Hitesh Makad

**SUPERVISOR**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology

Submitted for the University Examination held on 22/05/23.

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**



## BONAFIDE CERTIFICATE

This is certified that this project report "EXPERIMENTAL ANALYSIS ON FIBER REINFORCED CONCRETE" is the bonafide work which has been carried out the project work under my supervision.



**SIGNATURE**

Ms. Mansi Prajapati

**HEAD OF THE DEPARTMENT**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology



**SIGNATURE**

Mr. Hitesh Makad

**SUPERVISOR**


Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology

Submitted for the University Examination held on 22/05/23 .

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



**INTERNAL EXAMINER**





**EXTERNAL EXAMINER**



CANDIDATE'S DECLARATION

I hereby certify that the work which is being presented in the thesis entitled "**ANALYSIS & MAKING PROTOTYPE OF ATAL PEDESTRIAN BRIDGE**" by **JAYVEERSINH BALDEVSINH SINDHAV (1924003005)** and **NARAYAN S. CHAUDHARY (1924003003)** in partial fulfilment of requirements for the award of degree of bachelor submitted in the Department of civil Engineering at **SWARNIM INSTITUTE OF TECHNOLOGY** under an authentic record of our own work carried out during a period from 12/03/2023 to 06/04/2023 under the supervision of **PROF. HITESH MAKAD**. The matter presented in this thesis has not been submitted by us in any other University / Institute for the award of B.E. Degree.

Signature of the Student,

1.  2. 

This is to certify that the above statement made by the candidate is correct to the best of my/our knowledge.

The B. E. Viva-Voce Examination of

**JAYVEERSINH BALDEVSINH SINDHAV.**

**NARAYAN S. CHAUDHARY**

Has been held on 02/05/23 and accepted.

  
Signature of Supervisor

**(PROF. HITESH MAKAD)**

  
Signature of H.O.D.

**(PROF. MANSI PRAJAPATI)**



Signature of External

Examiner

SWARNIM INSTITUTE OF  
TECHNOLOGY

## BONAFIDE CERTIFICATE

This is certified that this project report "EXPERIMENTAL STUDY OF GEO-POLYMER CONCRETE" is the bonafide work which has been carried out the project work under my supervision.



**SIGNATURE**

Mrs. Mansi Prajapati

**HEAD OF THE DEPARTMENT**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology



**SIGNATURE**

Mr. Hitesh Makad

**SUPERVISOR**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology

Submitted for the University Examination held on 22 / 05 / 23.

**SWARNIM INSTITUTE OF  
TECHNOLOGY**



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**



## BONAFIDE CERTIFICATE

This is certified that this project report "ANALYSIS OF STRENGTH AND DURABILITY OF SELF COMPACTING CONCRETE" is the bonafide work which has been carried out the project work under my supervision.



SIGNATURE

Mrs. Mansi Prajapati

**HEAD OF THE DEPARTMENT**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology



SIGNATURE

Mr. Hitesh Makad

**SUPERVISOR**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology

Submitted for the University Examination held on 22/05/23.

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

## BONAFIDE CERTIFICATE

This is certified that this project report "ANALYSIS OF STRENGTH AND DURABILITY OF SELF COMPACTING CONCRETE" is the bonafide work which has been carried out the project work under my supervision.



SIGNATURE

Mrs. Mansi Prajapati

**HEAD OF THE DEPARTMENT**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology



SIGNATURE

Mr. Hitesh Makad

**SUPERVISOR**

Assistant Professor

Department of Civil Engineering

Swarnim Institute of Technology

Submitted for the University Examination held on 22/05/23.

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**



## CERTIFICATE

This is to certify that research work embodied in this report entitled "Study of sustainable tourist place of Statue of Unity" was carried out by Mr. Janmejy Pancholi (2025010001) at Swarnim Startup and Innovation University, Gandhinagar for partial fulfilment of B.Tech degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.

DATE:

30/5/23

PLACE:

Gandhinagar

Guide

Dr Savan Tank  
Assistant professor

CO- Guide

Ms. Brinda Govani  
Assistant professor

Head of Department

Dr. Sayantani Basu

Chemical & Environment engineering

Dean & Director

Dr. M.B.Dholakia

Swarnim institute of technology  
Swarnim Startup and innovation university

External Examiner

SWARNIM INSTITUTE OF  
TECHNOLOGY

IDEAS COME ALIVE.

## CERTIFICATE

This is to certify that the project entitled “ **Evaluation of Physicochemical Parameters Of Ground Water For Ahmedabad, Gujarat**” submitted by **Krishnanshi Joshi (1924010002)** in partial fulfillment for the requirements for the award of Bachelor of Engineering in Environment Engineering is an authentic work carried out by her under my supervision and guidance to of my knowledge the matter embodied in the project report has not been submitted to any other University / Institute for the award of Degree.

Date: 30/5/23

Place: Gandhinagar

Signature of Guide



Dr. Savan Tank

(Assistant Professor)

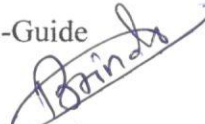


Head of Department

Dr. Sayantani Basu

(Chemical & Environment Engineering)

Signature of C.O.-Guide



Ms. Brinda Govani

(Assistant Professor)

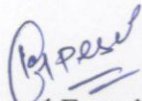


Dean and Director

Dr. M.B. Dholakia

Swarnnim Institute of Technology

Swarnnim startup and Innovation University



External Examiner



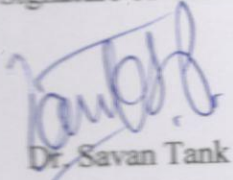
## CERTIFICATE

This is to certify that the project entitled "COD Removal and Decolourization using Hydrodynamic Cavitation" submitted by Neel Patel (1924010003) in partial fulfilment for the requirements for the award of Bachelor of Engineering in Environmental Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree

Date: 30/5/23

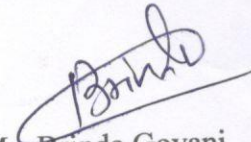
Place: Gandhinagar

Signature of Guide



Dr. Savan Tank  
(Assistant Professor)

Signature of Co-Guide



Ms. Brinda Govani  
(Assistant Professor)



Head of Department

Dr. Sayantani Basu

Chemical & Environment Engineering)

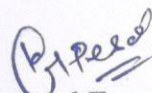
Dean and Director



Dr. M.B. Dholakia

(Swarnim Institute of Technology)

(Swarnim Startup and Innovation University)



External Examiner

SWARNIM INSTITUTE OF  
TECHNOLOGY

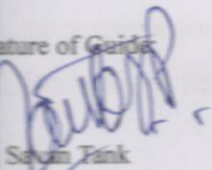


# CERTIFICATE

This is to certify that the project entitled “A STUDY ON ELECTRICITY GENERATION FROM LEACHATE” submitted by **Mr. Pruthviraj Khushalbhai Aasodiya (1924010005)** at **Swarnnim Startup and Innovation University, Gandhinagar** for partial fulfilment for the requirements for the award of Bachelor of Engineering in Environmental Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project has not submitted to any other University/institute for the award of any degree.

DATE: 30/5/23

PLACE: Gandhinagar

Signature of Guide:  


Sayantani Basu  
(Assistant Professor)

Head of Department

Sayantani Basu

(Environmental Engineering)

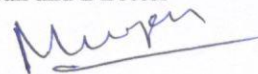
Signature of Co-Guide:



Ms. Brinda Govani

(Assistant Professor)

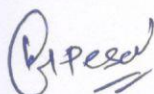
Dean and Director



Dr. D.M. Dholakia

Swarnnim Institute of Technology

Swarnnim Statup and Innovation University



External Examiner

## CERTIFICATE

This is to certify that the project entitled "Removal of Sulphur Dioxide Using Dried EggShell" submitted by Shivam Patel (1924010004) in partial fulfilment for the requirements for the award of Bachelor of Engineering in Environmental Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

Date : 30/5/23

Place : Gandhinagar

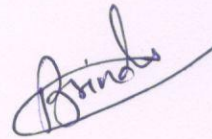
Signature of guide



Dr. Savan Tank

(Assistant Professor)

Signature of Co-Guide

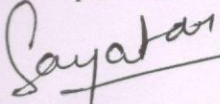


Ms. Brinda Govani

(Assistant Professor)



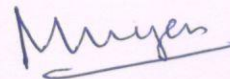
Head of Department



Dr. Sayantini Basu

(Chemical & Environmental Engineering)

Dean & Director



Dr. M B. Dholakiya

Swarnim Institute of Technology

Swarnim Startup and Innovation University



External Examiner



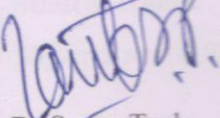
## CERTIFICATE

This is to certify project entitled "**Removal of Heavy Metal From Wastewater**" submitted by **Shyam Raval (1924010001)** in partial fulfillment for the requirements for the award of Bachelor of engineering in **environmental engineering** is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other university/institute for award of any Degree.

DATE: 20/5/23

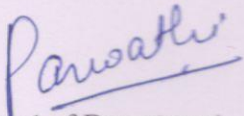
PLACE: Gandhinagar

Guide



Dr. Savan Tank

Assistant professor




Head of Department

Dr. Sayantani Basu

Chemical & Environmental Engineering

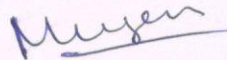
CO-Guide



Ms. Brinda Govani

Assistant professor

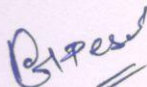
Dean & Director



Dr. M.B. Dholakia

Swarnim Institute of Technology

Swarnim Startup & Innovation University

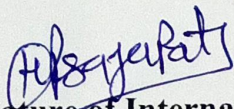


External Examiner



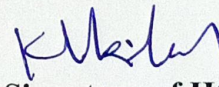
## CERTIFICATE

This is to certify that the project entitled "The UrbanScooter" submitted by **Museeb Kadri (1924009003)**, **Deepak Dewri (1924009002)**, **Divyesh Patel (2025009003)** partial fulfilment for the requirement for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



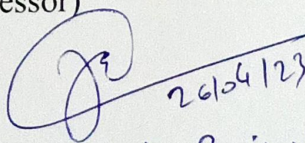
Signature of Internal Guide

Prof. Hardik Prajapati  
(Assistant Professor)



Signature of HOD

Dr. Khubilal Khatri  
(Associate Professor)



26/04/23

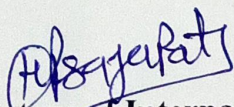
[Prof. D. K. Prajapati]  
Name and Signature of external guide

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



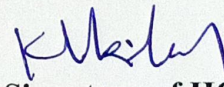
## CERTIFICATE

This is to certify that the project entitled **"The UrbanScooter"** submitted by **Museeb Kadri (1924009003), Deepak Dewri (1924009002), Divyesh Patel (2025009003)** partial fulfilment for the requirement for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



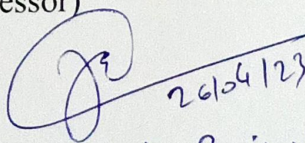
Signature of Internal Guide

Prof. Hardik Prajapati  
(Assistant Professor)



Signature of HOD

Dr. Khubilal Khatri  
(Associate Professor)



26/04/23

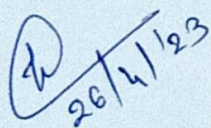
[Prof. D. K. Prajapati]  
Name and Signature of external guide

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## **CERTIFICATE**

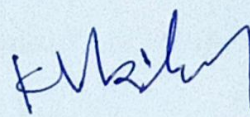
This is to certify that the project entitled "**Design of New Spot Welding Machine**" submitted by Hardik Rathod – (2025009002), Tarang Patel – (1924009005), Krishi Patel – (1924009004) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Handwritten signature of Prof. Kaushal Khamar, dated 26/4/23.

**Signature of Internal Guide**

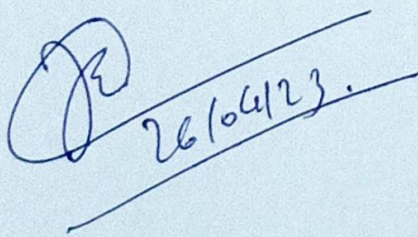
Prof. Kaushal Khamar  
(Assistant Professor)



Handwritten signature of Prof. Khubilal Khatri.

**Signature of Head of Department**

Prof. Khubilal Khatri  
(Associate Professor)



Handwritten signature of the External Guide, dated 26/04/23.

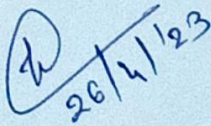
**Signature of External Guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "Design of New Spot Welding Machine" submitted by Hardik Rathod – (2025009002), Tarang Patel – (1924009005), Krishi Patel – (1924009004) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



26/4/23

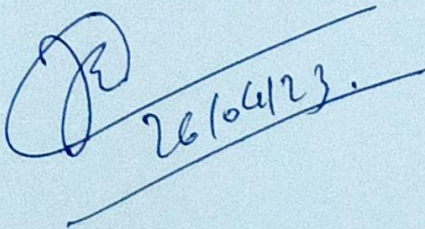
**Signature of Internal Guide**

Prof. Kaushal Khamar  
(Assistant Professor)



**Signature of Head of Department**

Prof. Khubilal Khatri  
(Associate Professor)



26/04/23.

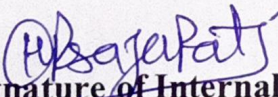
**Signature of External Guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



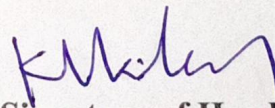
## CERTIFICATE

This is to certify that the project entitled "HUMAN POWERED PEDAL THRESHER" submitted by YASH PATEL (2025009001) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

  
**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)

  
**Signature of Head of Department**

Dr. khubilal khatri

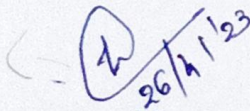
(Associate Professor)

**Name and Signature of external guide**



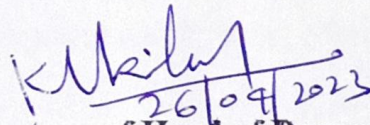
## CERTIFICATE

This is to certify that the project entitled “**Design of New Spot Welding Machine**” submitted by Hardik Rathod – (2025009002), Tarang Patel – (1924009005), Krishi Patel – (1924009004) in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



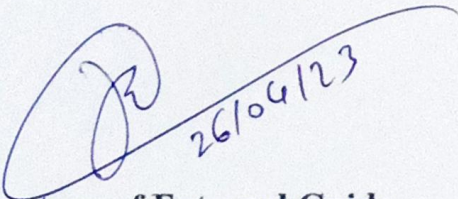
**Signature of Internal Guide**

Prof. Kaushal Khamar  
(Assistant Professor)



**Signature of Head of Department**

Prof. Khubilal Khatri  
(Associate Professor)



**Signature of External Guide**

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

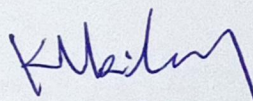
This is to certify that the project entitled “Experimental Analysis on Hybrid Solar Water Heater using spring geometry” submitted by **DIVY M. SOLANKI (2025009004)**, **MR. KRITESH N. GADANI (2025009007)**, **MR. URVAL H. DESAI (2025009017)** partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.




Signature of Internal Guide

Prof. Jitendra Prajapati  
Assistant Professor  
Swarnim Startup & Innovation  
University



Signature of Head of Department

Dr. Khubilal Khatri  
Associate Professor  
Swarnim Startup & Innovation  
University

  
26/06/23  
(Prof. D.K. Prajapati)  
Signature of External Examiner

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

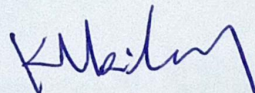
This is to certify that the project entitled "Experimental Analysis on Hybrid Solar Water Heater using spring geometry" submitted by **DIVY M. SOLANKI (2025009004)**, **MR. KRITESH N. GADANI (2025009007)**, **MR. URVAL H. DESAI (2025009017)** partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature of Internal Guide

Prof. Jitendra Prajapati  
Assistant Professor  
Swarnim Startup & Innovation  
University



Signature of Head of Department

Dr. Khubilal Khatri  
Associate Professor  
Swarnim Startup & Innovation  
University



26/06/23  
[Prof. J. K. Prajapati]  
Signature of External Examiner

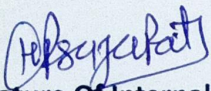
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

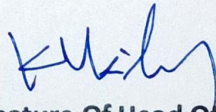
This is to certify that the project entitled **"Automatic MotorBike Stand Slider"** submitted by **Parmar Romil Hasmukhbhai (2024009003)**, **Patel Gaurang (2125009002)**, **Patel Harshil Arvindbhai (2125009004)**, **Patel Virenkumar Prakashbhai (2025009012)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



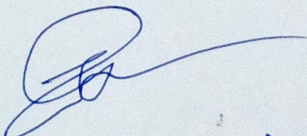
**Signature Of Internal Guide**

Prof. Hardik Prajapati  
(Assistant Professor)



**Signature Of Head Of Department**

Dr. Khubilal Khatri  
(Associate Professor)



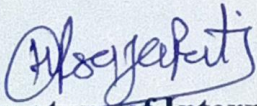
(Prof. Jitenkumar Prajapati)

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## **CERTIFICATE**

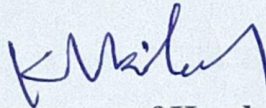
This is to certify that the project entitled "**HUMAN POWERED PEDAL THRESHER**" submitted by **JAY PATEL (2025009013)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Kubilal Khatri

(Associate Professor)



**Name and Signature of external guide**

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

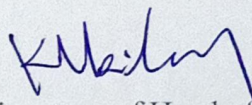
This is to certify that the project entitled "Experimental Analysis on Hybrid Solar Water Heater using spring geometry" submitted by DIVY M. SOLANKI (2025009004), MR. KRITESH N. GADANI (2025009007), MR. URVAL H. DESAI (2025009017) partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



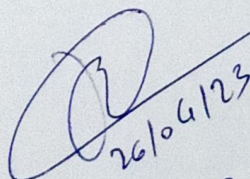
Signature of Internal Guide

Prof. Jitendra Prajapati  
Assistant Professor  
Swarnim Startup & Innovation  
University



Signature of Head of Department

Dr. Khubilal Khatri  
Associate Professor  
Swarnim Startup & Innovation  
University



[Prof. J. K. Prajapati]  
Signature of External Examiner

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

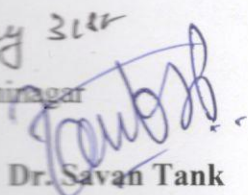


## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "*Treatment of Industrial Wastewater by Adsorption using Low Cost Adsorbents*" was carried out by **Mr. Hardevsinh Bharatsinh Chauhan** (Enrolment No: 2126002001) at **Swarnim Institute of Technology** for partial fulfillment of **Master of Technology** degree in **Environmental Engineering** to be awarded by **Swarnim Startup & Innovation University**. This Research work has been carried out under my supervision and guidance and is to my satisfaction.

Date: May 31<sup>st</sup>

Place: Gandhinagar

  
**Dr. Savan Tank**

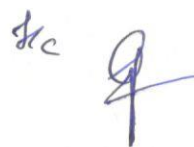
**Assistant Professor,**

Department of Environmental Engineering

Swarnim Institute of Technology,

Swarnim Startup & Innovation University,

Gandhinagar



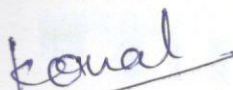
**Dr. M.B Dholakiya**

**Principle,**

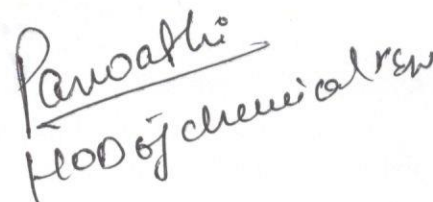
Swarnim Institute of Technology,

Swarnim Startup & Innovation University,

Gandhinagar



**External Examiner**

  
Pooja chemical ren

Seal of Institute

SWARNIM INSTITUTE OF  
TECHNOLOGY



## THESIS APPROVAL CERTIFICATE

This is to certify that research work embodied in this entitled "**TREATMENT OF DAIRY INDUSTRY WASTEWATER USING REED BED TECHNOLOGY**" was carried out by **Ms. Mayuri B Jain** (Enrolment No: 2126002002) at **Swarnim Institute of Technology** for partial fulfillment of **Master of Technology** degree in Environmental Engineering to be awarded by Swarnim Startup & Innovation University.

Date: July 31<sup>st</sup> 2023

Place: Gandhinagar.

Panid

Examiner's Name & Sign.

H. K. Dera

(Panwar)

HO of  
chemical &  
Env.

(Gujar)

Principal.

SWARNIM INSTITUTE OF  
TECHNOLOGY

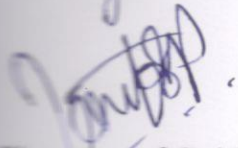


## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "**COD REDUCTION AND ELECTRICITY GENERATION BY USING MICROBIAL FUEL CELL IN PULP AND PAPER INDUSTRY WASTE WATER**" was carried out by **Miss. Poonam H Panchal (2126002004)** at **Swarnim Startup and Innovation University, Gandhinagar** for fulfillment of M.Tech degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.

Date: *May 31<sup>st</sup> 2023*

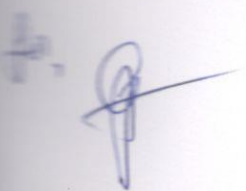
Place: *Gandhinagar*



Signature of Guide

Dr. Savan Tank

Asst. Prof.



Dean and Director

Dr M B Dholakia

Swarnim Startup and Innovation University



Head of Department

Dr Parwathi Pillai

(Chemical and Environment Engineering)



External Examiner

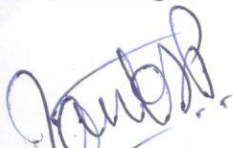
SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that research work embodied in this dissertation titled **"COMPARATIVE STUDY OF DYE WASTE WATER TREATMENT WITH USE OF ADVANCED OXIDATION PROCESSES"** was carried out by Mr. **Ujjaval Ghanshyambhai Mistry (Enrolment No: 2126002005)** at **Environmental Engineering Department of Swarnnim Institute of Technology** for partial fulfillment of Master of Technology degree in Environmental Engineering to be awarded by **Swarnnim Startup & Innovation University**. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

Date: *May 31<sup>st</sup> 2023*

Place: Gandhinagar



**Dr. Savan Tank**  
Assistant Professor  
Department of Environment Engineering  
Swarnnim Institute of Technology  
Swarnnim Startup & Innovation University



**Dr. M.B Dholakiya**  
Principle  
Swarnnim Institute of Technology  
Swarnnim Startup & Innovation University  
Gandhinagar



**External Examiner**

*D. Komal Desai*

SWARNNIM INSTITUTE OF  
TECHNOLOGY

Seal of Institute



*Panwale*  
*HOD of chemicals*  
*En*



# SWARNIM INSTITUTE OF TECHNOLOGY, SSIU

## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "*Assessment of Particulate Matter Emission using AERMOD Software: A case study of Smritivan Memorial and Museum Project*" was carried out by **Zeel Kiranbhai Adhikari (212600203)** at **Swarnnim Institute of Technology, Gandhinagar** to be awarded for fulfillment of M.Tech degree to be awarded by **Swarnnim Institute of Technology**. This research work has been carried out under my supervision and is satisfaction of department.

Date: 20/05/2023

Place: Gandhinagar

Guide:

Dr. Savan Tank,

Head of Department,

Department of Environmental Engineering

Swarnnim Institute of Technology, SSIU.

Dr. M.B. Dholakiya

Dean & Director

Dr.M.B.Dholakiya.

Swarnnim Institute of Technology, SSIU,

Swarnnim Startup & Innovation University

Dr. Kamal Dholakiya

External Examiner

Dr. Kamal Dholakiya

Dr. Parvathi  
Head of chemical  
& Env.

SWARNIM INSTITUTE OF  
TECHNOLOGY



**SWARNIM STARTUP AND INNOVATION UNIVERSITY**

**BHOYAN RATHOD, GANDHINAGAR**

**CERTIFICATE**

This is to certify that project entitled "*An Experimental Study on Improving Mechanical Properties of Concrete Using Nanoparticles*" submitted by **AGNIBESH DASGUPTA** to the **Department of Civil Engineering, Swarnim Institute of Technology** in partial fulfillment for the award of the degree of "**Master of Technology**" is a record of project work carried out him under my supervision and guidance.

All help received by him have been duly acknowledged.

To the best of my knowledge no part of the project has been reproduced elsewhere for award of any degree.

Date: - 5/06/23

**Ms. Mansi Prajapati**  
Head of Department  
(Civil Engineering)

**Dr. M.B. Dholakia**

Dean and Director

Swarnim Institute of Technology

SWARNIM INSTITUTE OF  
TECHNOLOGY

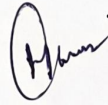


## CERTIFICATE

This is to certify that research work embodied in this thesis entitled **“A Study on Seismic Analysis of Multistorey Structure with Different Shapes in Zone-III”** was carried out by Mr. Poojan Hareshkumar Mistry (2126008001) at Swarnnim Startup and Innovation University, Gandhinagar for partial fulfilment of M.Tech degree to be awarded by Swarnnim Startup and Innovation University. This research work has been carried out under my supervision and is to the satisfaction of department.

Date: 15/06/23

Place: SSIU



**Prof. Mansi Prajapati** (Internal Guide)  
Head of Department  
(Structural Engg. Dept.)  
Swarnnim Startup and Innovation University

SWARNIM INSTITUTE OF  
TECHNOLOGY



**SWARNIM STARTUP AND INNOVATION UNIVERSITY**  
**BHOYAN RATHOD, GANDHINAGAR**

**CERTIFICATE**

This is to certify that project entitled “*An Experimental Study on Ultra High-Performance Concrete using Microfine and GGBS*” submitted by **ZEEL RABARI** to the **Department of Civil Engineering, Swarnim Institute of Technology** in partial fulfillment for the award of the degree of “**Master of Technology**” is a record of project work carried out him under my supervision and guidance.

All help received by him have been duly acknowledged.

To the best of my knowledge no part of the project has been reproduced elsewhere for award of any degree.

Date: - 15/06/23

**Ms. Mansi Prajapati**  
Head of Department  
(Civil Engineering)

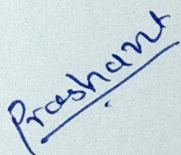
**Dr. M.B. Dholakia**  
Dean and Director  
Swarnim Institute of Technology

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that the project entitled “Mono Wheel e-Bike” submitted by **Tarun Ramina (1824001003), Shaury Patel (1824001002), Amrit Raj Singh (1824001006), Nisarg Patel (1925001003)**, in partial fulfillment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in the project report has not been submitted to any other university/institute for the award of any Degree.



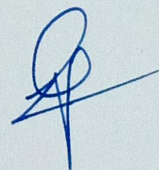
Signature of **Internal Guide**

**Prof: Prashant Parmar**

Assistant Professor

Swarnnim Institute of

Technology



Signature of **Head of Department**

**Dr. Gunjan Yadav**

Associate Professor

Swarnnim Institute of

Technology

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**DESIGN AND MANUFACTURING OF ELECTRIC BICYCLE**" submitted by **Sagar Tadhani (1824001004)**, **Harsh Thummar (1824001005)**, **Hiren Patel (1925001001)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Automobile Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature Of Internal Guide

Prof. Jitendra Prajapati  
Assistant Professor  
Swarnim Startup & Innovation  
University



Signature Of Head Of Department

Dr. Gunjan Yadav  
Associate Professor  
Swarnim Startup & Innovation  
University

SWARNIM INSTITUTE OF  
TECHNOLOGY



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Signature Of Internal Guide

Prof. Jitendra Prajapati  
Assistant Professor  
Swarnim Startup & Innovation  
University



Signature Of Head Of Department

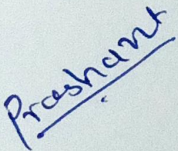
Dr. Gunjan Yadav  
Associate Professor  
Swarnim Startup & Innovation  
University

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TECHNOLOGY



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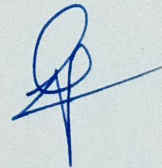
Signature of **Internal Guide**

**Prof: Prashant Parmar**

Assistant Professor

Swarnnim Institute of

Technology



Signature of **Head of Department**

**Dr. Gunjan Yadav**

Associate Professor

Swarnnim Institute of

Technology

SWARNNIM INSTITUTE OF  
**TECHNOLOGY**



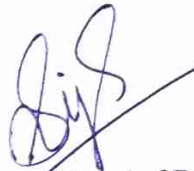
## CERTIFICATE

This is to certify that project entitled "Rostro" submitted by Devansh Bhatt (1824004001), Manlik Joshi (1824004008), Tapasvi Thakkar (1824004048), Krushil Patel (1925008006) in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering & Information Technology is an authentic work carried out by them under my supervision and guidance.

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**Signature of Internal Guide**  
**Prof. Dnyaneshwar Kudande**  
**(Assistant Professor)**



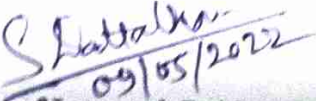
**Signature of Head of Department**  
**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

This is to certify that project entitled "My Salon" submitted by Jay Vyas (1824004051), Ishwar Modi (1824004004), Siddharth Sonkavade (1824004043) in partial fulfillment for the requirements for the award Bachelor of Technology in Computer Engineering is a authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.

  
09/05/2022  
**Signature of Internal Guide**  
Prof. Sourabh Dattalkar

  
**Signature of Head of Department**  
Dr. Chaitanya Singh

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that the project entitled "**Rentome**" submitted by **Riddhi Jani (1824004006)** and **Drashti Khatra (1824004010)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering is an authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any degree.



**Signature of Internal Guide**

**Dr. Chaitanya Singh**

**(Associate Professor & Head)**



**Signature of Head of Department**

**Dr. Chaitanya Singh**

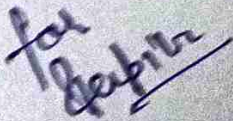
**(Associate Professor & Head)**

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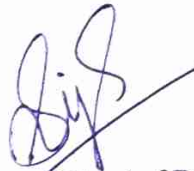
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**Signature of Internal Guide**  
**Prof. Dnyaneshwar Kudande**  
**(Assistant Professor)**



**Signature of Head of Department**  
**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**

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**Signature of Internal Guide**

**Dr. Chaitanya Singh**

**(Associate Professor & Head)**



**Signature of Head of Department**

**Dr. Chaitanya Singh**

**(Associate Professor & Head)**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

This is to certify that the project entitled "**Towing Manager**" submitted by **Ronak Kumar Thakkar (1824004046)**, **Karm Shah (1824004039)**, **Meet Kotadiya (1824004011)**, **Patel Divyakumar (1824004022)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering is an authentic work carried out by them under my supervision and guidance.

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SWARNIM INSTITUTE OF  
TECHNOLOGY



**Signature of Internal Guide**  
**Prof. Deepika Chauhan**  
**(Assistant Professor)**



**Signature of Head of Department**  
**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**



## CERTIFICATE

This is to certify that project entitled "Holiday Package Aggregator" submitted by Romi Kirankumar Patel (1824008012) and Aviraj Sumanbhai Panchotiya (1824004016) in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering & Information Technology is an authentic work carried out by them under my supervision and guidance.

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Signature of Internal Guide

**Prof. Gopal Patidar**  
**(Assistant Professor)**



Signature of Head of Department

**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

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This is to certify that project entitled "Holiday Package Aggregator" submitted by Romi Kirankumar Patel (1824008012) and Aviraj Sumanbhai Panchotiya (1824004016) in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering & Information Technology is an authentic work carried out by them under my supervision and guidance.

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**(Assistant Professor)**



Signature of Head of Department

**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**

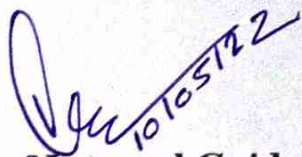
**SWARNIM INSTITUTE OF  
TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled “**Ekart**” submitted by **Thakkar Sachdev Manthanbhai Yogeshbhai(1824004047)** , **Talpada Kolipatel Radhika Rajubhai(1824004044)**, **Prajapati Hani Rameshbhai (1824004017)** in partial fulfilment for the requirements for the award of Bachelor of Technology in Computer Engineering is authentic work carried out by him under my supervision and guidance.

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**Signature of Internal Guide**

Prof. Vishal Chandel  
(Assistant Professor)



**Signature of Head of Department**

Dr. Chaitanya Singh  
(Associate Professor)

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



# CERTIFICATE

This is to certify that the project entitled "STOCK MANAGEMENT SYSTEM" submitted by Patel Rutulkumar Dilipkumar (1824004052), Sharvik Patel (1824004028), Harsh Shah (1824004038), Ronald Christian (1824004053) in partial fulfillment for the requirement for the award of bachelor of technology in computer engineering is an authentic work carried out by him under my supervision and guidance.

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**Signature of internal guide**

Dr. Chaitanya Singh



**Signature of head of department**

Dr. Chaitanya Singh

SWARNIM INSTITUTE OF  
**TECHNOLOGY**





Swarnim Startup and Innovation University  
Swarnim Institute Of Technology

**CERTIFICATE**

This is to certify that the project entitled “**Smart Society**” submitted by **Abhishek Sankdecha (1824004036)** in partial fulfillment for the requirements for the award of bachelor of Technology in Computer Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other university/institute for the award of any degree.

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

Signature of Internal Guide  
Prof. Chhabildas Gajare

Signature Of Head Of Department  
Dr. Chaitanya Singh

## CERTIFICATE

This is to certify that the project entitled “ **Virtual Art Hub** ” submitted by **Dhruv .S. Shah (1824004037)**, **Dhruvi .S. Shah (1824008018)**, **Neha .K. Sharma (1824008020)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering and Information Technology is an authentic work carried out by him/her under my supervision and guidance.


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**Signature of Internal Guide**

**Prof. Deepika Chauhan**

**(Assistant Professor)**



**Signature of Head of Department**

**Dr. Chaitanya Singh**

**(Associate Professor)**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**



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**Signature of internal guide**

Dr. Chaitanya Singh



**Signature of head of department**

Dr. Chaitanya Singh

SWARNIM INSTITUTE OF  
**TECHNOLOGY**

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SWARNIM INSTITUTE OF  
TECHNOLOGY



**Signature of Internal Guide**  
**Prof. Deepika Chauhan**  
**(Assistant Professor)**



**Signature of Head of Department**  
**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**



## CERTIFICATE

This is to certify that project entitled "SwarnimResult" submitted by Dharm Solanki (1824004041), Deepak Kumar (1824004054), Anurag Yadav (1824004056) and Viralkumar Prajapati (1824008006) in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering/Information Technology is an authentic work carried out by them under my supervision and guidance.

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**Signature of Internal Guide**

Prof. (Dr) Himanshu Patel



**Signature of Head of Department**

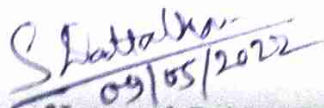
Prof. Chaitanya Singh

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

This is to certify that project entitled "My Salon" submitted by Jay Vyas (1824004051), Ishwar Modi (1824004004), Siddharth Sonkavade (1824004043) in partial fulfillment for the requirements for the award Bachelor of Technology in Computer Engineering is a authentic work carried out by them under my supervision and guidance.

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Signature of Internal Guide  
Prof. Sourabh Dattalkar

  
Signature of Head of Department  
Dr. Chaitanya Singh

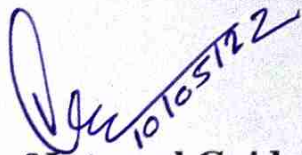
SWARNIM INSTITUTE OF  
TECHNOLOGY



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**Signature of Internal Guide**

Prof. Vishal Chandel  
(Assistant Professor)



**Signature of Head of Department**

Dr. Chaitanya Singh  
(Associate Professor)

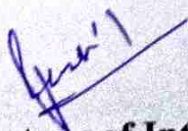
SWARNIM INSTITUTE OF  
**TECHNOLOGY**

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SWARNIM INSTITUTE OF  
TECHNOLOGY



**Signature of Internal Guide**  
**Prof. Deepika Chauhan**  
**(Assistant Professor)**



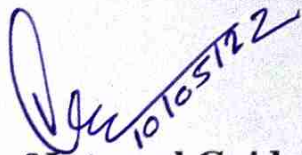
**Signature of Head of Department**  
**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**



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**Signature of Internal Guide**

Prof. Vishal Chandel  
(Assistant Professor)



**Signature of Head of Department**

Dr. Chaitanya Singh  
(Associate Professor)

SWARNIM INSTITUTE OF  
**TECHNOLOGY**




## CERTIFICATE

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**Prof. Dnyaneshwar Kudande**  
**(Assistant Professor)**



**Signature of Head of Department**  
**Dr. Chaitanya Singh**  
**(Associate Professor & Head)**

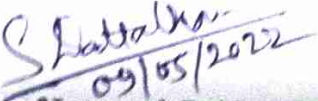
**SWARNIM INSTITUTE OF  
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09/05/2022  
**Signature of Internal Guide**  
Prof. Sourabh Dattalkar

  
**Signature of Head of Department**  
Dr. Chaitanya Singh

SWARNIM INSTITUTE OF  
TECHNOLOGY

# CERTIFICATE

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**Signature of internal guide**

Dr. Chaitanya Singh



**Signature of head of department**

Dr. Chaitanya Singh

SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that project entitled "SwarnimResult" submitted by Dharm Solanki (1824004041), Deepak Kumar (1824004054), Anurag Yadav (1824004056) and Viralkumar Prajapati (1824008006) in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering/Information Technology is an authentic work carried out by them under my supervision and guidance.

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**Signature of Internal Guide**

Prof. (Dr) Himanshu Patel



**Signature of Head of Department**

Prof. Chaitanya Singh

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

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Prof. (Dr) Himanshu Patel



**Signature of Head of Department**

Prof. Chaitanya Singh

**SWARNIM INSTITUTE OF  
TECHNOLOGY**





SWARNNIM STARTUP & INNOVATION UNIVERSITY

**Swarnnim Institute of Technology**

Bhoyan Rathod, Dist.Gandhinagar, Gujarat (INDIA) 38242

## Certificate


This is to certify that, the Project entitled , “PET CARE” submitted by Mr. Kazi Mohammed Mushaab Mohammed Yakub (1824008004), Shah Abhishek Hiren (1824008017) , Sufiyan Sarabuwal Maksudbhai (1824008015) in partial fulfillment for the Requirements for the award of Bachelor of Technology in Information Technology is an authentic work carried out by them under by supervision and guidance .


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SWARNNIM INSTITUTE OF  
**TECHNOLOGY**

Place: SSIU

Date:29/04/2022

  
Prof. Kapil Raguwanshi  
Project Guide

  
Prof. Rahul Moriwal  
Project Coordinator

  
Dr. Chaitnya Singh  
HOD





SWARRNIM STARTUP & INNOVATION UNIVERSITY

**Swarnnim Institute of Technology**

Bhoyan Rathod, Dist.Gandhinagar, Gujarat (INDIA) 38242

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Dr. Chaitnya Singh  
HOD





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Project Coordinator

  
Dr. Chaitnya Singh  
HOD

## CERTIFICATE

This is to certify that the project entitled “ **Virtual Art Hub** ” submitted by **Dhruv .S. Shah (1824004037)**, **Dhruvi .S. Shah (1824008018)**, **Neha .K. Sharma (1824008020)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering and Information Technology is an authentic work carried out by him/her under my supervision and guidance.


To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University /Institute for the award of any Degree.



**Signature of Internal Guide**

**Prof. Deepika Chauhan**

**(Assistant Professor)**



**Signature of Head of Department**

**Dr. Chaitanya Singh**

**(Associate Professor)**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**



## CERTIFICATE

This is to verify that the "SUMMER INTERNSHIP-2023" undertaken by **Harshvardhansingh Shaktawat (1824008019)**, at 'Cahoot Technologies Private Limited', was carried out in the technologies of Prometheus, Grafana, Docker, and Linux. This internship was conducted for the fulfillment of the requirements for the 7th Semester Degree of Bachelor of Technology in 'Information Technology' at 'Swarnim Institute of Technology', to be awarded by 'Swarnim Startup & Innovation University'. This work has been conducted under my guidance and supervision and meets my satisfaction.



Signature of Internal Guide

Prof. Krishna Limbachiya



Signature of Head of Department

Prof. Mohit Bhadla

SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that the project entitled “ **Virtual Art Hub** ” submitted by **Dhruv .S. Shah (1824004037)**, **Dhruvi .S. Shah (1824008018)**, **Neha .K. Sharma (1824008020)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Computer Engineering and Information Technology is an authentic work carried out by him/her under my supervision and guidance.


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**Prof. Deepika Chauhan**

**(Assistant Professor)**



**Signature of Head of Department**

**Dr. Chaitanya Singh**

**(Associate Professor)**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**JUMP ON JOBS**" submitted by **Rishika Savaliya (1824008021)**, **Kriti Varma (1824008021)**, **Tulsi Vasoya (1824008022)**, **Heta Panchal (1925008002)** in partial fulfilment for the requirements for the award of Bachelor Of Engineering in Information Technology is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

**Prof. Rahul Moriwal**



**Signature of Head of Department**

**Dr. Chaitnya Singh**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

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**Signature of Internal Guide**

**Prof. Rahul Moriwal**



**Signature of Head of Department**

**Dr. Chaitnya Singh**

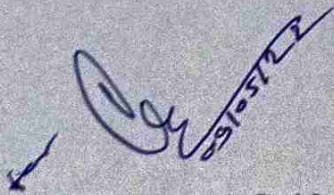
**SWARNIM INSTITUTE OF  
TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled "**Lawyer Hiring**" submitted by **Bhavesh Patel (1925008004)**, **Prince Patel (1925008005)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Information Technology is an authentic work carried out by him under mu supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other university/Institute for the award of any Degree.



**Signature of Internal Guide**

**Prof. Rahul Moriwal**



**Signature of Head of Department**

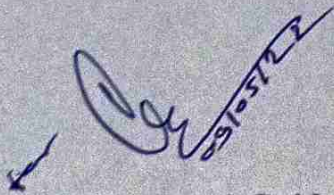
**Dr. Chaitnya Singh**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

This is to certify that the project entitled "**Lawyer Hiring**" submitted by **Bhavesh Patel (1925008004)**, **Prince Patel (1925008005)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Information Technology is an authentic work carried out by him under mu supervision and guidance.

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**Signature of Internal Guide**

**Prof. Rahul Moriwal**



**Signature of Head of Department**

**Dr. Chaitnya Singh**

**SWARNIM INSTITUTE OF  
TECHNOLOGY**





**Swarnnim Startup and Innovation University**

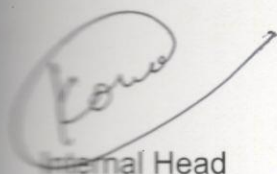
at Post Bhojan Rathod, Near ONGC WSS,

Opp. IIFCO, Adalaj Kalol Highway,

Gandhinagar, Gujarat- 382420

**CERTIFICATE**

This is to certify that the report submitted along with the project entitled REDUCE TOXICITY OF CHEMICAL WASTE has been carried out by Khushi Thakkar under my guidance in partial fulfillment for the degree of: Bachelor of Engineering in Chemical Engineering in 8<sup>th</sup> Semester of Swarnnim Startup and Innovation University, Ahmedabad during the academic year 2021-22. These students have successfully completed the project activity under my guidance.

  
Internal Head

  
Head of the  
Department

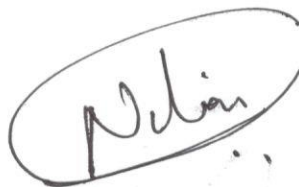
SWARNNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This to certify that research work undertaken in the dissertation titled **"MANUFACTURING OF BIODIESE"** is carried out by **Prajapati Ajay(1925002001), Prajapati yakin (1925002002), Shrimali Dhruvika(1925002003), Solanki Vignesh (1925002007)** studying at **CHEMICAL ENGINEERING DEPARTMENT of SWARNIM INSTITUTE OF TECHNOLOGY** for fulfilment of bachelor of chemical engineering degree to be awarded by **SWARNIM STARTUP AND INNOVATION UNIVERSITY**. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.



Prof. Kalpana Saini  
(HOD)



Prof. Nilam Sanghavi  
(Internal Guide)

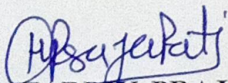
SWARNIM INSTITUTE OF  
**TECHNOLOGY**

Seal of the Institute

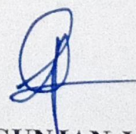


## CERTIFICATE

This is to certify that the Project report entitled, which is submitted to **ASST.PROF. Hardik Prajapati** by **Neelesh Gajjar (1824009002), Meet Panchal (1824009003), Megh Shah (1824009008), and Raunak Sharma (1824009015)**. In partial fulfillment of requirements for the award of Bachelor of Technology in Mechanical Engineering at SSIU, Mahout is an authentic work carried out under the supervision and guidance of faculty of Mechanical Engineering Department. To the best of my knowledge, the matter contained in this Project work has not been submitted to any other University/Instituted for the award of any Degree or Diploma.



**Prof. HARDIK PRAJAPATI**  
(Assistant Professor)

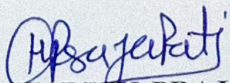


**Dr. GUNJAN YADAV**  
(Head of the Department)

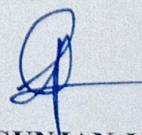


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**Prof. HARDIK PRAJAPATI**  
(Assistant Professor)



**Dr. GUNJAN YADAV**  
(Head of the Department)

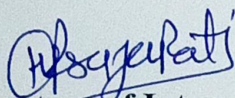
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## **CERTIFICATE**

This is to certify that the project entitled “**Motorized screw jack**” submitted by **Vishal B. Rabari (1824009006)**, **Arpit V. Patel (1824009020)**, **Yash D. Patel (1824009019)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

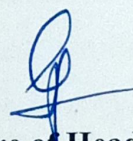
To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Gunjan Yadav

(Associate Professor)

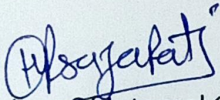
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## CERTIFICATE

This is to certify that the project entitled **"Smart Phone Operated Water Spraying Robot (SPOWSR)"** submitted by **Jawadali Saiyed (1824009007), Aditya Yadav (1824009012)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the project report has not been submitted to any other University/Institute for the award of any Degree.



Signature Of Internal Guide

Prof. Hardik Prajapati

Assistant Professor

Swarnnim Startup & Innovation

University



Signature Of Head Of Department

Dr. Gunjan Yadav

Associate Professor

Swarnnim Startup & Innovation

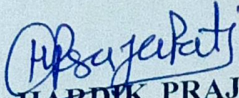
University

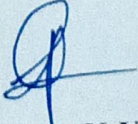
SWARNIM INSTITUTE OF  
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This is to certify that the Project report entitled, which is submitted to **ASST.PROF. Hardik Prajapati** by **Neelesh Gajjar (1824009002)**, **Meet Panchal (1824009003)**, **Megh Shah (1824009008)**, and **Raunak Sharma (1824009015)**. In partial fulfillment of requirements for the award of Bachelor of Technology in Mechanical Engineering at SSIU, Mahout is an authentic work carried out under the supervision and guidance of faculty of Mechanical Engineering Department. To the best of my knowledge, the matter contained in this Project work has not been submitted to any other University/Instituted for the award of any Degree or Diploma.

  
Prof. **HARDIK PRAJAPATI**  
(Assistant Professor)

  
Dr. **GUNJAN YADAV**  
(Head of the Department)

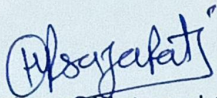
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Signature Of Internal Guide

Prof. Hardik Prajapati

Assistant Professor

Swarnnim Startup & Innovation

University



Signature Of Head Of Department

Dr. Gunjan Yadav

Associate Professor

Swarnnim Startup & Innovation

University

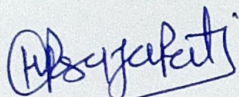
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



## **CERTIFICATE**

This is to certify that the project entitled “**Automatic Scrap Collecting Vehicle**” submitted by **Vaibhav M. Patel (1824009021)**, **Om kumar Tiwari (1824009013)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

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**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

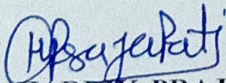
Dr. Gunjan Yadav

(Associate Professor)

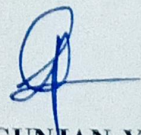


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(Assistant Professor)



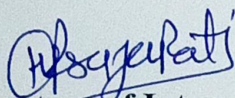
**Dr. GUNJAN YADAV**  
(Head of the Department)



## **CERTIFICATE**

This is to certify that the project entitled “**Motorized screw jack**” submitted by **Vishal B. Rabari (1824009006)**, **Arpit V. Patel (1824009020)**, **Yash D. Patel (1824009019)** in partial fulfillment for the requirements for the award of Bachelor of Technology in Mechanical Engineering is an authentic work carried out by him under my supervision and guidance.

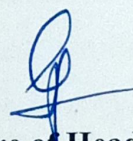
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**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Gunjan Yadav

(Associate Professor)

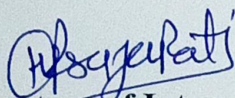
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



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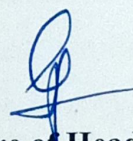
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**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Gunjan Yadav

(Associate Professor)

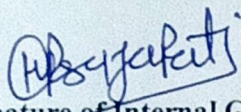
SWARNIM INSTITUTE OF  
**TECHNOLOGY**



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**Signature of Internal Guide**

Prof. Hardik Prajapati

(Assistant Professor)



**Signature of Head of Department**

Dr. Gunjan Yadav

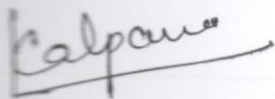
(Associate Professor)

## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "A Study on wastewater treatment of chemical industry using electro-coagulation" was carried out by Mr. Meet Rana (Enroll No.2026002011) at Swarnim Institute of Technology for partial fulfillment of Master of Technology degree in Environmental Engineering to be awarded by Swarnim Start up & Innovation University. He has worked upon the comments given during the Dissertation phase -1 and Mid Semester Review. This Research work has been carried out under my supervision and is to my satisfaction.

Date: 15/5/22

Place: Gandhinagar



Prof. Kalpana Saini

Internal Guide

Environmental Engineering Department Swarnim Start  
up & Innovation University



Dr. M.B. Dholakiya,

Director & Dean ,

Swarnim Institute of technology

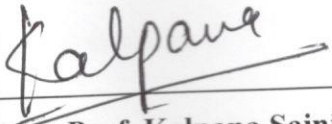


## CERTIFICATE

This is to **certify** that the research work embodied in this dissertation titled "Environment Impact Assessment Report for Resin manufacturing in plywood plant" was carried out by Jain Mitul Vinod at Swarnnim Institute of Technology for the fulfillment of Master of Technology degree in Environment Engineering to be awarded by Swarnnim Startup Innovation University. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

Date: 15 June 2022

Place: Gandhinagar



**Asst. Prof. Kalpana Saini**

Designation of The Guide : HOD, Environment Engineering

Swarnnim Institute of Technology

Gandhinagar – 382420



**Dr. M.B. Dholakiya**

Director

Swarnnim Institute of Technology

Gandhinagar – 382420

**SWARNIM INSTITUTE OF  
TECHNOLOGY**

## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Reactor for online decentralized self-sustainable treatment of domestic sewage*" was carried out by **Chaudhar Nareshkumar Pratapbhai, Enrollment No. 20260020231**, at Swarnnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in **Environmental Engineering** degree to be awarded by Swarnnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnnim Startup & Innovation University.

Date: 20/5/22

Place: Gandhinagar



*Kalpana*

(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnnim Institute of Technology

*V. Parekh*

(Dr. Vilin Parekh)

Principal

Swarnnim Institute of Technology

SWARNNIM  
& INNOVATION  
UNIVERSITY  
WHERE IDEAS COME ALIVE  
SWARNNIM INSTITUTE OF  
TECHNOLOGY

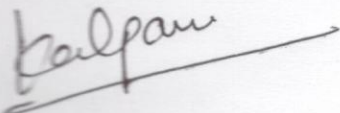


## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Assessment Of Manmade Pollution And Predicting Water Quality Responses To Natural Phenomena in River Sabarmati*" was carried out by *Nehal Dhiren Ajmera*, Enrollment No. 2026002010, at Swarnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnim Startup & Innovation University.

Date: 15/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnim Institute of Technology



(Dr. Vilin Parekh)

Principal

Swarnim Institute of Technology

SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Study of Electrochemical Treatment for Indigo Dye Wastewater Resulting From Textile Sector (Blue Denim Plant)*" was carried out by *Panktiben Pareshkumar Doshi*, Enrollment No. 2026002003, at Swarnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnim Startup & Innovation University.

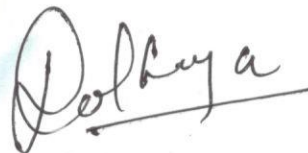
Date: 31/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnim Institute of Technology



(Dr. M. B. Dholakiya)  
Director and Dean

Swarnim Institute of Technology

SWARNIM INSTITUTE OF  
TECHNOLOGY

Seal of Institute



## CERTIFICATE

This is to certify that the research work embodied in this dissertation titled " An Empirical Study Of Building Related Construction And Demolition Waste Management : Waste Handling & Remodeling." was carried out by Parth S Parikh at Swarnim Institute of Technology for the fulfillment of Master of Technology degree in Environment Engineering to be awarded by Swarnim Startup Innovation University. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

Date: 27 June 2022

Place: Gandhinagar

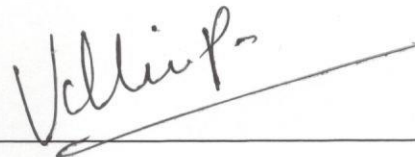


Asst. Prof. Kalpana Saini

Designation of The Guide : HOD, Environment Engineering

Swarnim Institute of Technology

Gandhinagar – 382420



Dr. Vilin Parekh

Principal

Swarnim Institute of Technology

Gandhinagar – 382420

SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Environment Modeling Using MATLAB*" was carried out by *Parthik Maheshkumar Soni*, Enrollment No. 2026002022, at Swarnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnim Startup & Innovation University.

Date: 15/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnim Institute of Technology



(Dr M D Dholakiya)  
Director and Dean

Swarnim Institute of Technology

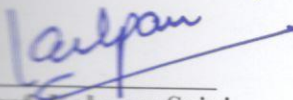
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TECHNOLOGY



## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "Analysis and Reduction of pollutants by using a Bagasse as an Alternate Fuel - Current practices, challenges and opportunities" was carried out by Mr. Gajjar Pragnesh Manekdal (Enroll No.2026002027) at Swarnim Institute of Technology for partial fulfillment of Master of Technology degree in Environmental Engineering to be awarded by Swarnim Start up & Innovation University. She has worked upon the comments given during the Dissertation phase -1 and Mid Semester Review. This Research work has been carried out under my supervision and is to my satisfaction.

Date: 15/5/22  
Place: Gandhinagar



Prof. Kalpana Saini

Internal Guide

Environmental Engineering Department

Swarnim Start up & Innovation University



Dr. Vilin Parekh,

Principal,

Swarnim Institute of Technology

Swarnim Start up & Innovation University

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TECHNOLOGY

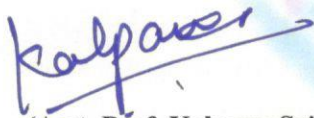
Seal of the Institute

## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Environment Modeling Using MATLAB*" was carried out by *Parthik Maheshkumar Soni*, Enrollment No. 2026002022, at Swarnnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnnim Startup & Innovation University.

Date: 30/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnnim Institute of Technology



(Dr. M. D. Dholakiya)  
Director and Dean

Swarnnim Institute of Technology

SWARNNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that research work embodied in this dissertation titled "Decolourization of synthetic wastewater of 'Reactive Yellow 145 dye' using Tea Waste Powder" was carried out by **SANJAYKUMAR VALJI MALSATTAR (Enrolment No: 2026002018))** at Swarnnim Institute Of Technology for partial fulfillment of Master of Technology e in Environmental Engineering to be awarded by Swarnnim Startup & Innovation University. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

Date: 15/5/22  
Place: Raichinagar  
Kalpana

Signature and Name of Guide

Prof. Ms. Kalpana Saini



Dr. M.B. Dholakiya,  
Director & Dean,  
Swarnnim Institute of Technology

SWARNIM INSTITUTE OF  
TECHNOLOGY

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## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Hydrodynamic Cavitation as a Preliminary Treatment for CETP Influent*" was carried out by *Sumitkumar Surendra Chauhan*, Enrollment No. 2026002015, at Swarnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnim Startup & Innovation University.

Date: 31/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnim Institute of Technology



(Dr. Vilin Parekh)  
Principal

Swarnim Institute of Technology

SWARNIM INSTITUTE OF  
TECHNOLOGY



## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Hydrodynamic Cavitation as a Preliminary Treatment for CETP Influent*" was carried out by **Sumitkumar Surendra Chauhan**, Enrollment No. 2026002015, at Swarnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnim Startup & Innovation University.

Date: 31/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnim Institute of Technology



(Dr. Vilin Parekh)  
Principal

Swarnim Institute of Technology

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TECHNOLOGY

## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "Air Quality Mapping Using GIS Tools For Vadodara City" was carried out by Mr. Vivekkumar Dahyabhai Chaudhari (Enrolment No. 2026002026) studying at Environmental Engineering Department of Swarnim Institute of Technology for Partial Fulfillment of Master of Engineering degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my guidance and supervision, and it is up to my satisfaction.

Date: 21/5/22  
Place: Gandhinagar



*Kalpana*

Asst. Prof. Kalpana Saini  
Department of Environmental Engineering,  
Swarnim Institute of Technology,

*Vilim Parekh*

Dr. Vilim Parekh  
Principal,  
Swarnim Institute of Technology,

SWARNIM INSTITUTE OF  
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## CERTIFICATE

This is to certify that research work embodied in this dissertation titled "Assessment of Ambient Air Quality at Foundry Industrial Cluster at Eastern Ahmedabad- A case study" was carried out by **Ashokkumar Mohanbhai Chauhan (Enrolment No: 2026002019)** at Swarnim Institute Of Technology for partial fulfillment of Master of Technology e in Environmental Engineering to be awarded by Swarnim Startup & Innovation University. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

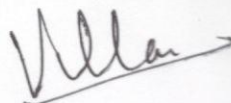
Date: 31/8/22

Place: Gandhinagar

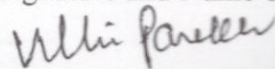


Signature and Name of Guide

Prof. Ms. Kalpana Saini



Signature and Name of Principal



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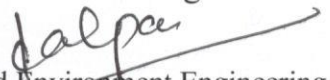
Seal of Institute

# CERTIFICATE

This is to certify that research work embodied in this dissertation titled "Recalcitrant Waste Water treatment by Hydrodynamic Cavitation Process" was carried out by Ashutosh Chandrabhan Upadhyay at Swarnim Institute of Technology for partial fulfilment of Master of Technology degree in Environmental Engineering to be awarded by Swarnim University. This research work has been carried out under my guidance and supervision and it is up to my satisfaction.

Date : 15/5/22

Place : Gandhinagar

  
Head Environment Engineering  
(Prof. Kalpana Saini)

Head Of Department  
Environment Engineering  
Department.

Swarnim Institute of Tech.  
Swarnim Startup and Innovation  
University.  
Gandhinagar.



Dr. M.B. Dholakiya,  
Director & Dean

Swarnim Institute of Tech.  
Swarnim Startup and Innovation University.  
Gandhinagar.

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## COMPLIANCE CERTIFICATE

This is to certify that research work embodied in this dissertation entitled "*Ammoniacal Nitrogen removal by electrochemical process for Wastewater of Fertilizer Industry*" was carried out by *En.No: 2026002008: Vasara Bharat Bhimabhai*, at SwarnimStartup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Start-up & Innovation University. He has complied with the comments given by the Dissertation phase – I&II as well as Mid Semester Dissertation Reviewer to our satisfaction.

Date:

Place:



*Vasara Bharat Bhimabhai*

*En.No. 2026002008*

Assist. Prof. Kalpana Saini

(HOD)

## CERTIFICATE

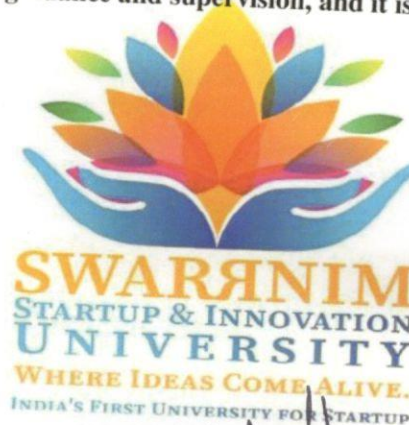
This is to certify that research work embodied in this thesis entitled "To determine optimum use of water: Evaluation of possibility and reduce water consumption in textile processing units" was carried out by Mr. Bhavesh G. Hadiya (Enrolment No. 2026002017) studying at Environmental Engineering Department of Swarnim Institute of Technology for Partial Fulfillment of Master of Engineering degree to be awarded by Swarnim Startup and Innovation University. This research work has been carried out under my guidance and supervision, and it is up to my satisfaction.

Date: 30/5/2022  
Place: Gandhinagar



Asst. Prof. Kalpana Saini

Department of Environmental Engineering,  
Swarnim Institute of Technology,



Dr. Vilin Parekh

Principal,  
Swarnim Institute of Technology,

SWARNIM INSTITUTE OF  
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## APPROVAL SHEET

This dissertation report entitled **ALLUMINIUM WASTE RECYCLING** by **Bhavik Patel** is recommended for the degree of Master's in Environmental Engineering by Swarnim Startup & Innovation University.

### External Examiner



Guided By:

Prof. Sevan Tank,

Environmental Engineering

SWARNIM INSTITUTE OF TECHNOLOGY



Prof. Dr. Sayantani Basu

(HOD, and Assistant Professor)

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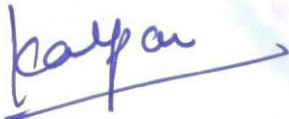
SWARNIM INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "*Technical Evaluation of Utilization of Different Agriculture Waste for Making Bio-Fuel Using Anthracite Coal*" was carried out by **Bipin L. Rathod**, Enrollment No. 2026002025, at Swarnim Startup & Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in *Environmental Engineering* degree to be awarded by Swarnim Startup & Innovation University. This work has been carried out under our supervision meets the requirement of Swarnim Startup & Innovation University.

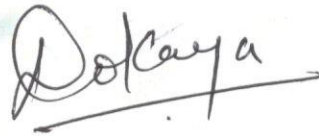
Date: 15/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnim Institute of Technology



(Dr. M D Dholakiya)

Director and Dean  
Swarnim Institute of Technology

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**CERTIFICATE**

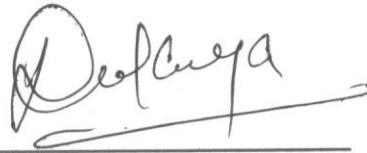
This is to certify that work embodied in this dissertation entitled "*A Study on Sequential Batch Biofilm Reactor for domestic wastewater*" was carried out by *ID.No:2026002013: Deep Jagdishbhai Rao*, at Swarnim startup & Innovation University An Autonomous Institution for partial fulfillment of Master of Technology in *Environmental Engineering* degree. This work has been carried out under our supervision and meets the requirement of Swarnim startup & Innovation University.

Date: 15/5/22

Place: Raandhura



Head, Environment  
Engineering  
(Asst. Prof. Kalpana Saini)



Director & Dean  
(Dr. M.B Dholakiya Patel)

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## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "CATALYTIC PLASTIC CRACKING FOR CO GENERATION OF LIQUID FUEL" was carried out by Mr. Dhaval Prajapati (Enroll No.2026002002) at Swarnim Institute of Technology for partial fulfillment of Master of Technology degree in Environmental Engineering to be awarded by Swarnim Startup & Innovation University. She has worked up on the comments given during the Dissertation phase-1 and Mid Semester Review. This Research work has been carried out under my supervision and is to my satisfaction.

Date: 15/5/22  
Place: Gandhinagar

Kalpana

Asst.Prof. Kalpana Saini  
Internal Guide  
Environmental Engineering Department  
Swarnim Startup & Innovation University

Vilin

**Dr. Vilin Parekh,**

Principal,

Swarnim Institute of Technology

Swarnim Startup & Innovation University

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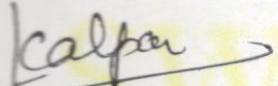


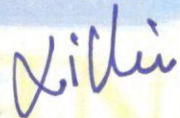
## CERTIFICATE

This is to certify that research work undertaken in this dissertation titled **E-WASTE MANAGEMENT "Reuse, Recycle & Precious Metal Recovery from Different types of E-waste"** was completely executed by **JIGNESH PATEL** (Enrolment No. 2026002029) at **Swarnnim Institute of Technology** for partial fulfilment of course work in **Environmental Engineering** under Master of Technology degree program to be awarded by **Swarnnim Startup & Innovation University**. This research work has been carried out under my guidance and supervision and it is up to the expectations.

Date: 30/5/22

Place: Gandhinagar

  
Asst. Prof. Kalpana Saini  
Department of Environmental  
Engineering  
Swarnnim Institute of Technology,  
Gandhinagar

  
Dr. Vilin Parekh  
Principal,  
Swarnnim Institute of Technology,  
Gandhinagar

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**A-STUDY ON ELECTROCHEMICALREDUCTION OF  
DYE WASTE**

*Submitted by*

**Kena Lakhani**

Enroll No. 2026002021

M.Tech (Environmental Engineering)

**Prof. Kalpana Saini**

Internal Guide

Department of Environmental Engineering  
Swarnnim Institute of Technology

**Dr. Vilin Parekh,**

Principal, Swarnnim Institute of Technology

Submitted to

Swarnnim Start up and Innovation University  
in partial fulfillment of the requirements for Degree of  
**Master of Technology** in Environmental Engineering

June 2022



**Swarnnim Start up and Innovation University,**

**Bhoyan Rathod, Opp. IFFCO, Adalaj Kalol**

**Highway, Gandhinagar, Gujarat-383420**



## CERTIFICATE

This is to certify that work embodied in this dissertation entitled "**COD REMOVAL THROUGH FENTON CATALYTIC REACTOR IN DYES AND DYES INTERMEDIATE INDUSTRY**" was carried out by **Ahir Laljibhai Mepabhai**, EnrolmentNo. 2026002006, at SwarnnimStartup& Innovation University, An Autonomous Institution for partial fulfilment of Master of Technology with Specialization in **Environmental Engineering** degree to be awarded by SwarnnimStartup&Innovation University. This work has been carried out under our supervision meets the requirement of SwarnnimStartup& Innovation University.

Date: 31/5/22

Place: Gandhinagar



(Asst. Prof. Kalpana Saini)

Department of Environmental Engineering  
Swarnnim Institute of Technology



(Dr. M.B. Dholakiya)

Director

Swarnnim Institute of Technology

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# APPROVAL SHEET


Dissertation report entitled **Food Waste Management In Bikaner Cantt Township With Comparison Effectiveness Of Artificially Prepared Compost And Biologically Prepared Compost** by **Shwaraj Singh Rao** is recommended for the degree of Master's in Environmental Engineering by **Swarnim Startup & Innovation University**.

Internal Examiner

By:

  
**PROF. KALPANA SAINI**

(Internal guide)  
Department of Environmental Engineering  
Swarnim Institute of Technology,  
Gandhinagar

  
**ASST. PROF. SWAPNIL DHARASKAR**  
(External guide)  
Chemical Engineering Department,  
School of Technology,  
Pandit Deendayal Energy University,  
Gandhinagar

**SWARNIM INSTITUTE OF  
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## CERTIFICATE

This is to certify that research work embodied in this thesis entitled "Performance Evaluation of The Nareol Dye Stuff Enviro Society -CETP" was carried out by Mr. Malhar Divyeshbhai Desai (Enroll No. 2026002014) at Swarnim Institute of Technology for partial fulfillment of Master of Technology degree in Environmental Engineering to be awarded by Swarnim Startup & Innovation University. He has worked upon the comments given during the Dissertation phase - I and Mid Semester Review. This Research work has been carried out under my supervision and is to my satisfaction.

Date: 15/5/24

Place: 

**Prof. Kalpana Saini**  
Internal Guide  
Environmental Engineering Department  
Swarnim Startup & Innovation University



**Dr. M.B. Dholakia**  
Director & Dean  
Swarnim Institute of Technology  
Swarnim Startup & Innovation University

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**SWARNNIM INSTITUTE OF TECHNOLOGY**  
**Gandhinagar, Gujarat -382420**

**CERTIFICATE**

This is to certify that the thesis entitled, “ASSESSMENT OF GROUND WATER QUALITY USING GIS – A CASE STUDY OF NANDESARI REGION” being submitted by **Manthankumar Joshi** for the award of the degree of Master of Technology (Environmental Engineering) of Swarnnim Institute of Technology, Gandhinagar Gujarat, is a record of bonafide research work carried out by him under my supervision and guidance. Mr. Manthankumar Joshi has worked for nine months on the above project at the Department of Environmental Engineering, Swarnnim Institute of Technology, Gandhinagar and this has reached the standard fulfilling the requirements and the regulation relating to the degree.

Date: 19/11/2022

Place: Gandhinagar, SIT

**Prof. Kalpana Saini**

Assistant Professor

Department of Environmental Engineering,

Swarnnim Institute of Technology.

**Dr. M.B. Dholakiya**

Director & Dean

Swarnnim Institute of Technology.

**Swarnnim Startup & Innovation University, Gandhinagar, Gujarat.**

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## INDUSTRIAL VISIT DETAILS FILE INDEX

Sr NO	Department	Industry	No. of Students	Date
1	Electrical Engineering	IFFCO-KALOL	31	28/09/2023
2	Electrical Engineering	SSNNL	33	25/08/2023
3	Environmental Engineering	Ambuja Export Limited , Himmatnagar	14	5/2/2024
4	Environmental Engineering	The Green Environment Service Pvt Ltd	20	21/08/2023
5	Environmental Engineering	IFFCO-KALOL	29	28/09/2023
6	Chemical Engineering	Ambuja Export Limited , Himmatnagar	29	5/2/2024
7	Chemical Engineering	IFFCO-KALOL	29	28/09/2023
8	Chemical Engineering	The Green Environment Service Pvt Ltd	29	21/08/2023
9	Civil Engineering	L&T Construction Skill Training Institute	35	20/02/2024
10	Civil Engineering	IFFCO-KALOL	30	28/09/2023
11	Civil Engineering	Sadar Sarovar Dam	45	25/08/2023
12	Mechanical /Automobile Engineering	L&T Construction Skill Training Institute	35	20/02/2024
13	Mechanical /Automobile Engineering	IFFCO-KALOL	30	28/09/2023
14	Mechanical /Automobile Engineering	Sadar Sarovar Dam	45	25/08/2023

15	Computer / IT Engineering	Sunflowee Biztech	209	16/03/2023
16	Computer / IT Engineering	TOPS Technology	102	12/9/2023
17	Electrical Engineering	Mundra Port & Special Economic Zone Ltd	40	21/02/2023
18	Electrical Engineering	Gujarat Solar Park	40	14/09/2022
19	Environmental Engineering	IFFCO-KALOL	18	7/10/2022
20	Chemical Engineering	IFFCO-KALOL	27	7/10/2022
21	Civil Engineering	RMC Plant	20	11/4/2023
22	Civil Engineering	Construction Site	20	7/4/2023
23	Civil Engineering	Adani Business Sites, Mundra	26	21/02/2023
24	Mechanical /Automobile Engineering	Adani Business Sites, Mundra	76	21/02/2023
25	Mechanical /Automobile Engineering	IFFCO-KALOL	30	7/10/2022
26	Mechanical /Automobile Engineering	PDEU	42	23/03/2023
27	Mechanical /Automobile Engineering	Acro Enterprise	55	25/03/2022
28	Electrical Engineering	GETCO 220KV Sub Station	30	16/02/2022
29	Mechanical /Automobile Engineering	AP Tech Engineering	70	6/2/2021
30	Mechanical /Automobile Engineering	Suryakiran Industries	55	25/03/2022
31	Civil Engineering	Ayush Building at Swarnim Campus	44	24/02/2022



32	Environmental Engineering	Environmental Management System	25	12/3/2020
33	Chemical Engineering	Environmental Management System	25	12/3/2020
34	Mechanical /Automobile Engineering	IFFCO-KALOL	65	10/1/2020
35	Electrical Engineering	ISRO	38	21/09/2021
36	Electrical Engineering	GETCO 400kv Substation	39	22/03/2021

Fleet  
20

# **Department of Electrical Engineering 2023-24**





**SWARNIM**  
**INSTITUTE OF TECHNOLOGY**

## **“Report on Industrial Visit at IFFCO- Kalol”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Electrical Engineering Department**  
**Date of Activity : 28/09/2023**



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	28/09/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	31
Namewith Designation	Yashwant Mistry, Senior Manager Training		
Name of Organization	IFFCO, Kalol		
Expert contact details	yvmistry@iffco.in		
Faculty Coordinator	Prof. Nayan Patel,		
Faculty contact details	+91- 9714796518		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit.IFFCO-Kalol

#### About the Field:

IFFCO's first Urea and ammonia production Facility, Kalol Production Unit was commissioned in 1974 with a production capacity of 910 MTPD of Ammonia & 1200 MTPD of Urea. Over the last 4 decades, IFFCO Kalol Production unit has expanded & reinvented to stay at par with the modern production units both in terms of production capacity as well as technology. Today IFFCO Kalol plant has a production capacity of 1100 MTPD of Ammonia and 1650 MTPD of Urea.

#### Details about the activity:

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Electrical Engineering was arranged on 28 September 2023. The Visit was at IFFCO-Kalol. The visit started with a brief explanation about what is Safety measures for Engineering, How Urea production works, How the Ammonia Plant works, Different parts of the submersible pump, how much amount of production they do every year, etc. This whole explanation was given by Yashwant Mistry and then they started to show the live demonstration of Different processes and machines that are used in manufacturing of urea. Environment students learned about ETP plants. They have also shown the pumps that are been used and the utility plant.

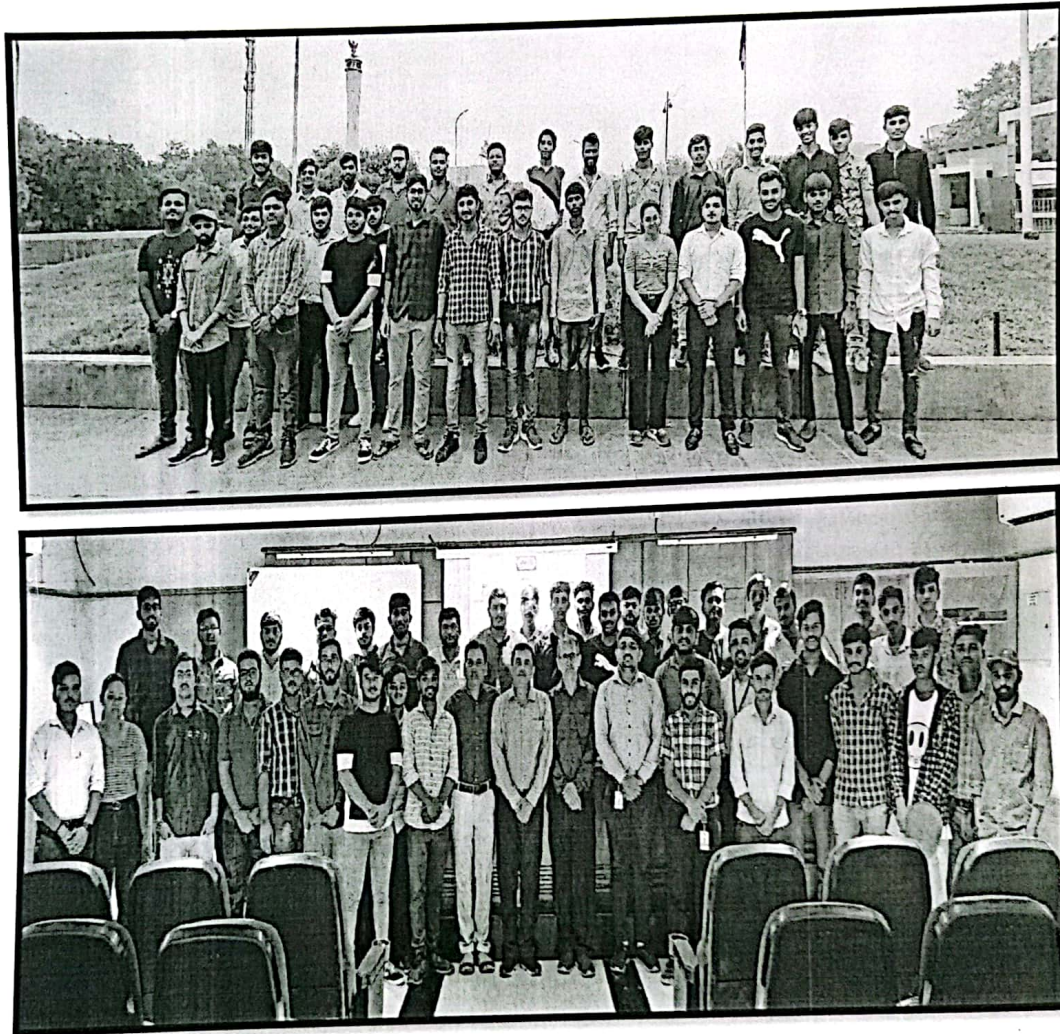
#### Outcome (Benefits to students, faculties, school and university)

From one day of the industrial visit, students benefited with the following things:



- They gain Practical knowledge in the Electrical world.
- They learned how Ammonia, Urea, ETP and Pump parts are manufacture.
- They learn how to execute innovative idea and achieved main objectives of the organization.
- They also learned the safety measures they are maintaining in IFFCO-Kalol.

### Photos:



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TECHNOLOGY

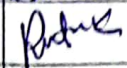
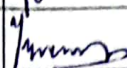
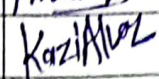
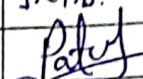
### Industrial Visit BTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	7	2125005001	KIRTI ARVINDBHAI NINAMA	Kirti
2	7	2125005002	RONAKKUMAR DINESHBHAI SHAH	<del>AB</del>
3	7	2125005003	SOLANKI VIJAYKUMAR SURENDRASINH	Vijay S.
4	7	2125005004	KSHATRIYA VINITSINH AMITKUMARSINH	Vinit
5	7	2125005005	CHAUHAN SANDEEP JAGDISHBHAI	S.J. Chohan
6	7	2125005006	MAHIDA BHAVESH BECHARBHAI	Mphar
7	5	2124005001	YADAV JAYKUMAR DEVENDRASINGH	Jaydevsingh
8	5	2124005002	RIKESH MAHATO	Rikesh
9	5	2225005001	PATEL SHREYASHKUMAR MAHESHBHAI	<del>AB</del>
10	5	2225005002	ASHISHKUMAR HARICHAND	Ashish
11	5	2225005003	SAKARWALA VISHAL JETHALAL	Vishal
12	5	2225005004	DEBANSHU MAITY	Debanshu
13	5	2225005005	PANCHAL GAURAV BRIJBIHARI	Gaurav
14	5	2225005006	GAMETI NIKULBHAI LALJIBHAI	Ganesh
15	3	2224005001	KUNDAN KUMAR BARNWAL	Kundan
16	3	2325005001	PATEL PREETKUMAR VINODBHAI	P.V.P.
17	3	2325005002	ASODIYA KARANKUMAR ASHWINKUMAR	Karan
18	3	2325005003	CHAUHAN RAHUL RAMBAHDUR	Rahul
19	3	2325005004	PUROHIT AVADHESH MARKANDEYA	Avadhesh P.
20	3	2325005005	VAGHELA MANAHAR MANUBHAI	Manohar
21	3	2325005006	PATEL DATTKUMAR PARESHBHAI	<del>AB</del>


### Industrial Visit Diploma Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	5	2122004002	ADARSHKUMAR RAGHVENDRA JHA	Adarsh
2	5	2122004003	VAGHELA YASHRAJSINH NATVARSINH	Vaghela Y.
3	5	2122004004	MEHTA RAHUL MAHESHKUMAR	R.M.M
4	5	2122004005	PATEL DHRUV CHANDUBHAI	Dhruv



5	5	2122004006	PARMAR SMIT PRADIPBHAI	
6	5	2122004007	PARMAR RUTVIK BHARATBHAI	
7	5	2122004008	YUVRAJ SINGH BRAHMDEV SINGH	
8	5	2122004009	KAZI ALVAZUDDIN NASIRUDDIN	
9	5	2223004001	KUDALE AJIT VASANT	
10	5	2223004002	NEERAJKUMAR BHIKHARI SHAH	<del>AB</del>
11	5	2223004003	BANDHIYA JITESH GOVA	J. G. B.
12	5	2223004004	PATEL KEVALKUMAR YOGENDRABHAI	
13	5	2223004005	PATEL PARAGKUMAR SURESHBHAI	
14	3	2222004001	MOHITE RISHIT YASHVANT	<del>AB</del>

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2226002701	PARMAR PRIYANKA MOHANBHAI	

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**SWARNNIM**  
**INSTITUTE OF TECHNOLOGY**

**“Report on Industrial Visit - SSNNL –  
Sardar Sarovar Narmada Nigam  
Limited”**

**Name of School : SWARNNIM INSTITUTE OF TECHNOLOGY**  
**Department : Electrical Engineering Department**  
**Date of Activity : 25/08/2023**

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# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	25/08/2023		
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	Duration	1 day
Naewith Designation	NA	No. of Students	33
Name of Organization	Industrial Visit - SSNNL – Sardar Sarovar Narmada Nigam Limited		
Faculty Coordinator	Prof. Ramji Kanani		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit SSNNL – Sardar Sarovar Narmada Nigam Limited, Kevadia colony – Dam Site and Hydro Power Plant

#### About the Field:

The Sardar Sarovar Dam is a gravity dam on the Narmada river near Navagam, Gujarat in India. It is the largest dam and part of the Narmada Valley Project, a large hydraulic engineering project. The foundation stone laid by Shri Jawaharlal Nehru in 1961.

The Statue of Unity is a monument under construction dedicated to Indian independence movement leader Vallabhbhai Patel, located facing the Narmada Dam with a planned height of 182 meters (597 ft.). This statue will occupy over 20,000 square meters, and will be surrounded by a 12 square km artificial lake. It will be the world's tallest statue when completed, now it's completed around 80%.

#### Details about the activity:

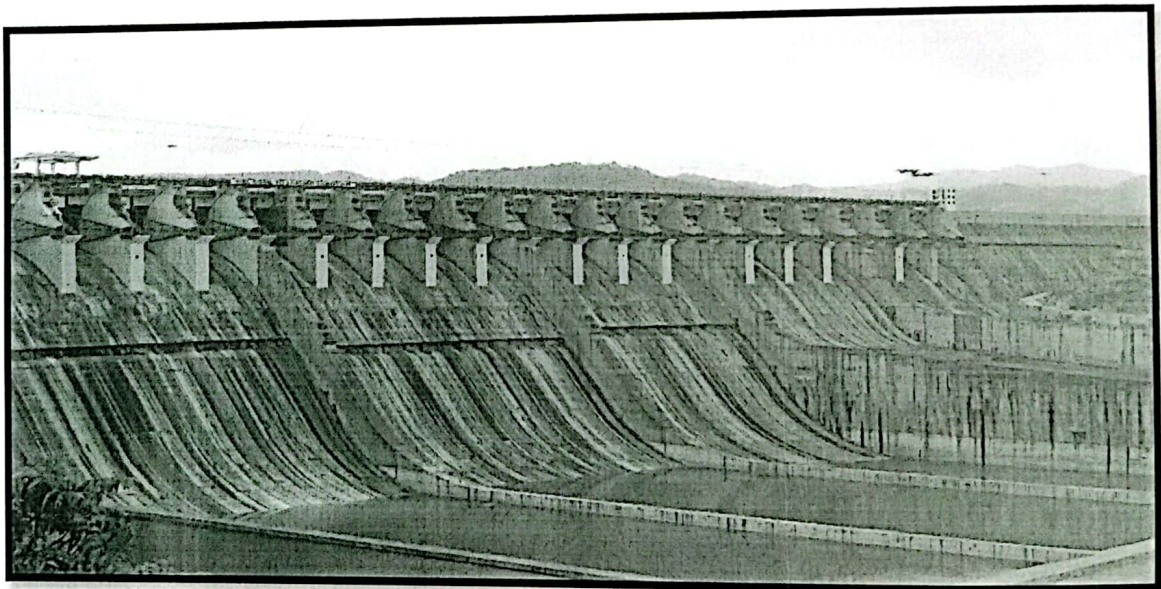
- 36 Students along with two faculty member departed from Gandhinagar towards SSNNL at 4:15 AM.
- Reached at visit place, SSNNL at 11:00 AM and immediately arranged for entry pass and guide for the said visit.
- Initially visit was started from River Bad Power House (RBPH) >>> the view of Tunnel was amazing. Then reached at 1200 MW plant (6 Units each of 200 MW Capacity) – It was illustrated by Guide Mr. Somabhai Tadvī using single line diagrammatic representation of whole procedure and Overview of Turbine and Detail study of Control Room.

- After that various aesthetically pleasant view points were visited which really demonstrates the natural beauty of the Narmada river.
- Next visit was made to a View Point of the Dam where, we can see the whole pictures of Dam, Newly constructed Gates to increase height up to 138 metres.
- Canal Head Power House (CHPH) was the next visit point where student could see actual turbine generator unit that consisted of 5 units of 50 MW capacities each. Francis type of turbines with large sized hydro alternators are used in each of five units.
- Departed from Kevadiya Colony at 3:30 PM and reached back to final Destination at 09:00 PM.
- Total KM Travelled is 540 KM.

### Outcome (Benefits to students, faculties, school and university)

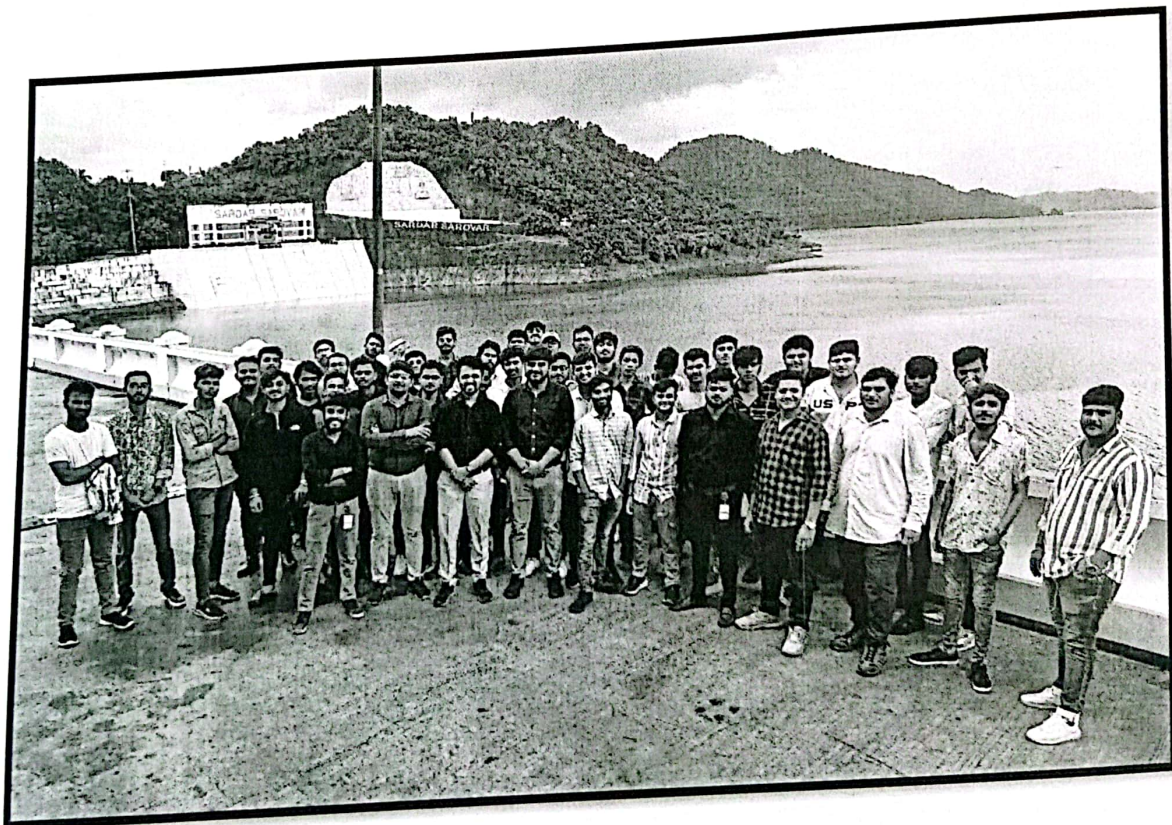
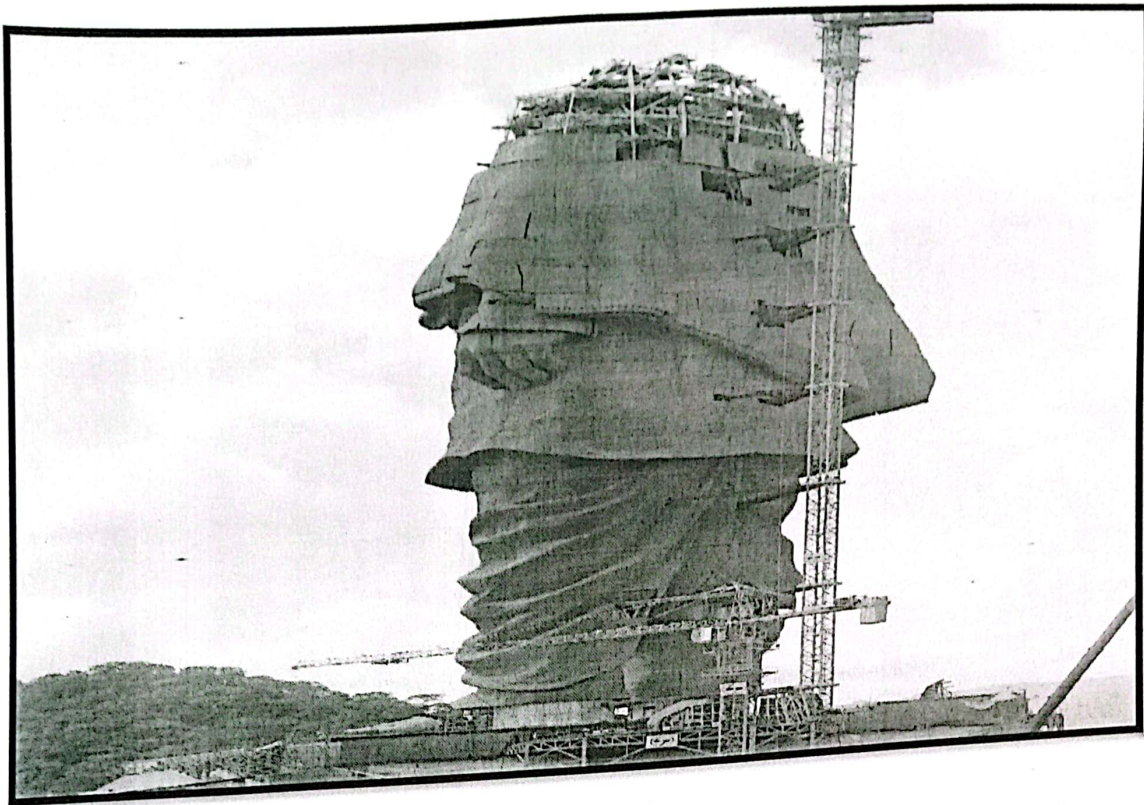
1. Students of Civil Branch Learnt about the Construction of DAM, Tunnel, and Canal with respect to overall Material used, Cost of Construction and what kind of difficulties they faced while doing execution of that Large Project.
2. Students of EE/ME Branch Learnt in Details about Turbine, Generator, Power Transformer, and Power Transmission to Three States in Detail at RBPH and at CHPH – Both Near Turbine and in Control Room.
3. Learnt about the project, i.e. how stored water at Dam is used for Generation of Power and Irrigation and both ways it is helpful to all three States i.e. Gujarat, Maharashtra and Madhya Pradesh.
4. They came to know about the total construction cost with quantity of material.
5. Our Guide briefed us about the function of radial gates provided for dissipation of Energy of water to avoid any kind of failure due to water pressure.
6. The Students also come to know about distribution of downstream water into canal and subdivision for irrigation purpose

### Photos:



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### Industrial Visit BTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	7	2125005001	KIRTI ARVINDBHAI NINAMA	Kirti
2	7	2125005002	RONAKKUMAR DINESHBHAI SHAH	Ronak
3	7	2125005003	SOLANKI VIJAYKUMAR SURENDRASINH	Solanki
4	7	2125005004	KSHATRIYA VINITSINH AMITKUMARSINH	VINITSINH
5	7	2125005005	CHAUHAN SANDEEP JAGDISHBHAI	S.D.
6	7	2125005006	MAHIDA BHAVESH BECHARBHAI	Bhavesh M.
7	5	2124005001	YADAV JAYKUMAR DEVENDRASINGH	Yadav
8	5	2124005002	RIKESH MAHATO	Rikesh
9	5	2225005001	PATEL SHREYASHKUMAR MAHESHBHAI	Shreyash
10	5	2225005002	ASHISHKUMAR HARICHAND	Ashish
11	5	2225005003	SAKARWALA VISHAL JETHALAL	Vishal Sakarwal
12	5	2225005004	DEBANSHU MAITY	Debanshu Maity
13	5	2225005005	PANCHAL GAURAV BRIJBHARI	Panchal
14	5	2225005006	GAMETI NIKULBHAI LALJIBHAI	— A.S. —
15	3	2224005001	KUNDAN KUMAR BARNWAL	Kundan
16	3	2325005001	PATEL PREETKUMAR VINODBHAI	Preet
17	3	2325005002	ASODIYA KARANKUMAR ASHWINKUMAR	Karan
18	3	2325005003	CHAUHAN RAHUL RAMBAHDUR	Rahul
19	3	2325005004	PUROHIT AVADHESH MARKANDEYA	Avadesh
20	3	2325005005	VAGHELA MANAHAR MANUBHAI	Vaghela
21	3	2325005006	PATEL DATTKUMAR PARESHBHAI	P.D.P.

### Industrial Visit Diploma Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	5	2122004002	ADARSHKUMAR RAGHVENDRA JHA	Adarsh
2	5	2122004003	VAGHELA YASHRAJSINH NATVARSHINH	Vaghela
3	5	2122004004	MEHTA RAHUL MAHESHKUMAR	— A.D. —
4	5	2122004005	PATEL DHRUV CHANDUBHAI	Dhruv




5	5	2122004006	PARMAR SMIT PRADIPBHAI	Smit
6	5	2122004007	PARMAR RUTVIK BHARATBHAI	Rutvik
7	5	2122004008	YUVRAJ SINGH BRAHMDEV SINGH	Yuvraj Singh
8	5	2122004009	KAZI ALVAZUDDIN NASIRUDDIN	Kazi
9	5	2223004001	KUDALE AJIT VASANT	Ajit
10	5	2223004002	NEERAJKUMAR BHIKHARI SHAH	Neeraj
11	5	2223004003	BANDHIYA JITESH GOVA	J.G.B.
12	5	2223004004	PATEL KEVALKUMAR YOGENDRABHAI	Keval Patel.
13	5	2223004005	PATEL PARAGKUMAR SURESHBHAI	Parag
14	3	2222004001	MOHITE RISHIT YASHVANT	Rishit

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2226002701	PARMAR PRIYANKA MOHANBHAI	AB

SWARNIM INSTITUTE  
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# **Department of Environmental Engineering 2023-24**





**SWARNIM**  
INSTITUTE OF TECHNOLOGY

**“Report on Industrial Visit at Ambuja  
Export Ltd. (Bio Chemical Division)  
Prantij” Dist, Himatnagar**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**

**Department : Department of Environment**

**Date of Activity : 05/02/2024**

SWARNIM INSTITUTE OF  
TECHNOLOGY



### Activity Report

School	School of Engineering		
Department	Department of Environment		
Activity Type	Industrial Visit		
Date	05/02/2024	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	14
Name with Designation	Mr. Mahesh Makwana (Environment Manager)		
Name of Organization	Ambuja Export Ltd. (Bio Chemical Division)		
Expert contact details	+91- 97269000233		
Faculty Coordinator	Ms. Mitali Mistry		
Faculty contact details	+91- 9016931688		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. Ambuja export Ltd. Prantij Dist. Himmatnagar

#### About the Field:

Gujarat Ambuja Exports Limited (GAEL) (Bio Chemical Division) is principally involved in the manufacturing of Corn Starch Derivatives, Soya Derivatives, Feed Ingredients, Cotton Yarn, and Edible Oils. Since its incorporation in 1991, GAEL strives to serve the Food, Pharmaceutical, Feed and many other industries with a long term growth strategy in the Agro-Processing sector.

#### Details about the activity:

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Chemical, Environment, was arranged on **05 February 2024**. The Visit was at Gujarat Ambuja Exports Limited (GAEL). The visit started with a brief explanation about what is Safety measures, GPCB Guideline and CC&A of the Company, The Production of Starch, Glucose and Sorbitol, Dextrose Anhydrous, Gluten, Maize Husk Dry, and Husk (By product) produce In plant, How the ETP and STP plant work, Different parts of the Reaction in Boiler and Mass balance, Pacaging and Loading of All Products in Plant, how much amount of production they do every year, etc. This whole explanation was given by Mr Mahesh Makwana and Mr. Bharat bhai then they started to show the live demonstration of Different processes and machines that are used in manufacturing of Maize Product.



## Outcome (Benefits to students, faculties, school and university)

From one days of the industrial visit, students benefited with the following things:

- They gain Practical knowledge in Chemical, Environment and work.
- They learned how Starch, Glucose and Sorbitol, Dextrose Anhydrous, Gluten, Maize Husk Dry, and Husk (By product) produce and its Uses and manufacture.
- Students are Learned how to Used Different types of Laboratory Instruments for the Analysis of Product.
- They learn how to execute Innovative idea and achieved main objectives of organization.
- They also learned the safety measures they are maintaining in Ambuja Export Ltd.

### Photos:



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TECHNOLOGY

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### Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	7	2024010001	Singh Manish Maheshdrasingh	
2	7	2014010002	Bharti Kushwah	
3	7	2125010001	Shalom Shaji	
4	3	2325010001	Harsh Modi	
5	3	2224010001	Patel Dharm Rameshbhai	

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2226002801	Dhaval Kamleshbhai Chudasama	
2	3	2226002802	Patel Gaurav Rajanikant	
3	3	2226002803	Rathod Rutul Rashmikant	
4	3	2226002804	Vaghela Prayag Prakashkumar	
5	3	2226002805	Patel Utsav Dipakbhai	
6	1	2326002801	Ishani Ashwinbhai Patel	
7	1	2326002802	Sachin Vyas	
8	1	2326002803	Nikunj Rajendrakumar Makwana	
9	1	2326002804	Kachhadia Dhruv Dineshbhai	
10	1	2326002805	Shreyas D Desai	
11	1	2326002806	Rutul Bhatt	

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## **“Report on Industrial Visit at The Green Environment Service Pvt. Ltd (CETP)”**

**Name of School : SWARRNIM INSTITUTE OF  
TECHNOLOGY**

**Department : Environmental Engineering Department**

**Date of Activity : 21/08/2023**



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Environment Engineering Department		
Activity Type	Industrial Visit		
Date	21/08/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	20
Name with Designation	Mr. Nilang Patel (Plant Manager)		
Name of Organization	Vatva, Ahmedabad		
Expert contact details	plantmanager@gescsl.com		
Faculty Coordinator	Dr. Savan Tank, Dr. Parwathi Pillai		
Faculty contact details	+91- 9016931688		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. The Green Environment Service Pvt. Ltd (CETP), Vatva, Ahmedabad

#### About the Field:

The Vatva Industrial Estate Was Established By Gujarat Industrial Development Corporation In The Year 1960 In The South East Direction Of Ahmedabad City On Ahmedabad – Mehmabad State Highway To Accommodate Micro, Small And Medium Scale Industrial Units.

There are approximately 1800 units in this industrial Estate, out of which approximately 680 generate wastewater and have potential to cause water pollution. These include units manufacturing Pharmaceutical Products, Dyes, Dye-Intermediates, Pigments, Fine Chemicals and other organics. They also include Textile Process Houses, Rolling Mills and other Non-Chemical Process Industries.



Department of Environmental and Chemical Engineering is excited to extend an invitation to the Environment and Chemical Engineering department for an industrial visit from The Green Environment Service Pvt. Ltd (CETP).

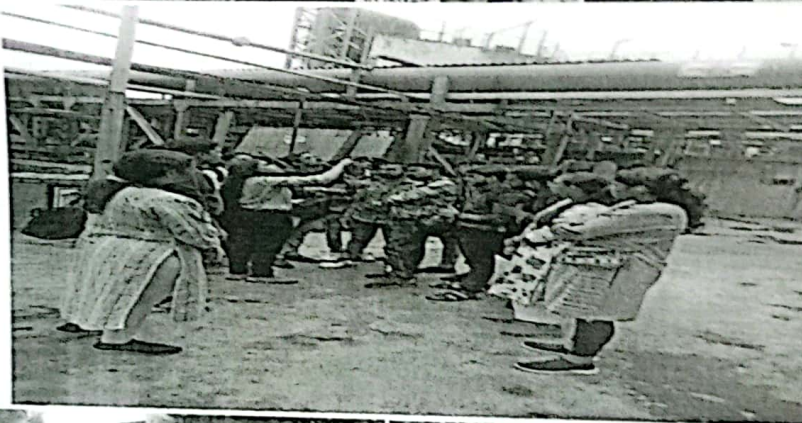
**Details about the activity:**

Number of Students 20 and Professor 04 (Dr. Savan Tank Dr.Parwathi Pillai, Ms.ApekshaBrahmbhatt, Ms.BrindaGovani)

This visit provided our students with a unique opportunity to gain firsthand insight into the innovative and sustainable practices employed by CETP in the field of Environmental and Chemical engineering. It promises to be an educational and enriching experience for all participants.

**Outcome (Benefits to students, faculties, school and university):**

- Tour the CETP facilities and observe their cutting-edge technologies.
- Interact with industry experts and professionals who will share their experiences and knowledge.
- Learn about CETP's commitment to environmental sustainability and its role in chemical engineering processes.
- Ask questions and engage in discussions to deepen their understanding of the industry.
- To ensure a smooth and productive visit.



SWARNIM INSTITUTE OF  
TECHNOLOGY



### Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	7	2024010001	Singh Manish Maheshdrasingh	<i>[Signature]</i>
2	7	2014010002	Bharti Kushwah	<i>[Signature]</i>
3	7	2125010001	Shalom Shaji	<i>[Signature]</i>
4	3	2325010001	Harsh Modi	<i>[Signature]</i>
5	3	2224010001	Patel Dharm Rameshbhai	<i>[Signature]</i>

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2226002801	Dhaval Kamleshbhai Chudasama	<i>[Signature]</i>
2	3	2226002802	Patel Gaurav Rajanikant	<i>[Signature]</i>
3	3	2226002803	Rathod Rutul Rashmikant	<i>[Signature]</i>
4	3	2226002804	Vaghela Prayag Prakashkumar	<i>[Signature]</i>
5	3	2226002805	Patel Utsav Dipakbhai	<i>[Signature]</i>
6	1	2326002801	Ishani Ashwinbhai Patel	<i>[Signature]</i>
7	1	2326002802	Sachin Vyas	<i>[Signature]</i>
8	1	2326002803	Nikunj Rajendrakumar Makwana	<i>[Signature]</i>
9	1	2326002804	Kachhadia Dhruv Dineshbhai	<i>[Signature]</i>
10	1	2326002805	Shreyas D Desai	<i>[Signature]</i>
11	1	2326002806	Rutul Bhatt	<i>[Signature]</i>

SWARNIM INSTITUTE  
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**SWARNIM**  
**INSTITUTE OF TECHNOLOGY**

## **“Report on Industrial Visit at IFFCO- Kalol”**

**Name of School : SWARNIM INSTITUTE OF  
TECHNOLOGY**

**Department : Environment Engineering Department**

**Date of Activity : 28/09/2023**





# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Environment Engineering Department		
Activity Type	Industrial Visit	Duration	1 day
Date	28/09/2023	No. of Students	29
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>		
Name with Designation	Yashwant Mistry, Senior Manager Training		
Name of Organization	IFFCO, Kalol		
Expert contact details	yvmistry@iffco.in		
Faculty Coordinator	Dr Parwathi Pillai		
Faculty contact details	+91- 9586056562		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. IFFCO-Kalol

#### About the Field:

IFFCO's first Urea and ammonia production Facility, Kalol Production Unit was commissioned in 1974 with a production capacity of 910 MTPD of Ammonia & 1200 MTPD of Urea. Over the last 4 decades, IFFCO Kalol Production unit has expanded & reinvented to stay at par with the modern production units both in terms of production capacity as well as technology. Today IFFCO Kalol plant has a production capacity of 1100 MTPD of Ammonia and 1650 MTPD of Urea.

#### Details about the activity:

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Chemical, Environment, Mechanical and Automobile, Electrical and Civil Engineering was arranged on 28 September 2022. The Visit was at IFFCO-Kalol. The visit started with a brief explanation about what is Safety measures for Engineering, How Urea production works, How the Ammonia Plant works, Different parts of the submersible pump, how much amount of production they do every year, etc. This whole explanation was given by Yashwant Mistry and then they started to show the live demonstration of Different processes and machines that are used in manufacturing of urea. Environment students learned about ETP plants. They have also shown the pumps that are been used and the utility plant.

#### Outcome (Benefits to students, faculties, school and university)



From one days of the industrial visit, students benefited with the following things:

- They gain Practical knowledge in the Chemical, Environment and mechanical world.
- They learned how Ammonia, Urea, ETP and Pump parts are manufacture.
- They learn how to execute innovative idea and achieved main objectives of the organization.
- They also learned the safety measures they are maintaining in IFFCO-Kalol

**Photos:**





Dixit Patel <dixitkumar.patel@swarnnim.edu.in>

**Regarding confirmation of Swarnim Startup and Innovation University, Gandhinagar students Industrial Visit on 28.09.2023 at IFFCO Kalol**

4 messages

Mon, Sep 11, 2023 at 2:27 PM

Y V MISTRY <yvmistry@iffco.in>  
To: Dixit Patel <dixitkumar.patel@swarnnim.edu.in>  
Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

आदरणीय महोदय,

Your request for IFFCO-Kalol Industrial visit of students on 28.09.2023 is approved by our Director -IFFCO Kalol .

You are requested to plan your visit and reach here at UREA Plant Security Gate around 0900Hrs as it will take half an hour to do the security check-up procedures.

The mentors must come along with students and all of them should carry their college IDs and Adhaar with them and Students must remain disciplined while they are inside the plant premises.

Please inform me in advance with the names of mentors accompanying students.

With Regards.

यशवंत मिस्त्री

वरि.प्रबंधक (प्रशिक्षण)

इफको कलोल

ई.मेल yvmistry@iffco.in

मो. 9426427422 ओ.०७९२३२८२५७२

From: Dixit Patel <dixitkumar.patel@swarnnim.edu.in>  
Sent: Monday, September 11, 2023 9:53 AM  
To: Y V MISTRY <yvmistry@iffco.in>  
Subject: Regarding Industrial Visit Permission

" [This e-Mail is from outside IFFCO]"

Respected sir,

I Prof.Dixit Patel from swarnnim startup and innovation University,Gandhinagar.as per telephonic talk with you I planned to arrange the industrial visit of university student on the date 28 september 2023..I required permission for industrial visit at IFFCO ,Kalol.Your IFFCO industry is near to our university so i request to you grant permission of Industrial visit on 28 september 2023 at IFFCO,Kalol.

Thanking you,



Prof.Dixit Patel(9714796518)

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Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: HOD Civil <hod.civil@swarnim.edu.in>

Mon, Sep 11, 2023 at 9:00 AM

[Quoted text hidden]

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: Y V MISTRY <yvmistry@iffco.in>

Wed, Sep 27, 2023 at 9:00 AM

Respected sir,

Following mentors will come with students. Prof.Dixit Patel, Prof.Nayan Patel, Prof.Jugal Bhatt, Prof.Savan Tank

[Quoted text hidden]

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: Y V MISTRY <yvmistry@iffco.in>  
Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

Wed, Sep 27, 2023 at 4:00 PM

Respected sir,

Following mentors will come with 40 students for tomorrow industrial visit.

1. Prof.Dixit Patel-9714796518
2. Prof.Nayan Patel(99983 82298 )
3. Prof.Jugal Bhatt(9558392720)
4. Prof.Savan Tank(9016931688)
5. Prof.Tarun Makwana(8511763745)

On Mon, 11 Sep 2023, 2:28 pm Y V MISTRY, <yvmistry@iffco.in> wrote:

[Quoted text hidden]



### Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	7	2024010001	Singh Manish Maheshdrasingh	Manish
2	7	2014010002	Bharti Kushwah	KB
3	7	2125010001	Shalom Shaji	Sh
4	3	2325010001	Harsh Modi	H. Modi
5	3	2224010001	Patel Dharm Rameshbhai	PD

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2226002801	Dhaval Kamleshbhai Chudasama	Chudasama
2	3	2226002802	Patel Gaurav Rajanikant	Gaurav
3	3	2226002803	Rathod Rutul Rashmikant	AD
4	3	2226002804	Vaghela Prayag Prakashkumar	PR
5	3	2226002805	Patel Utsav Dipakbhai	AB
6	1	2326002801	Ishani Ashwinbhai Patel	AB
7	1	2326002802	Sachin Vyas	Sachin
8	1	2326002803	Nikunj Rajendrakumar Makwana	AB
9	1	2326002804	Kachhadia Dhruv Dineshbhai	Dhruv
10	1	2326002805	Shreyas D Desai	AB
11	1	2326002806	Rutul Bhatt	AB

SWARNIM INSTITUTE OF  
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Chem  
2023

# **Department of Chemical Engineering 2023-24**





**SWARNIM**  
**INSTITUTE OF TECHNOLOGY**

**“Report on Industrial Visit at Ambuja  
Export Ltd. (Bio Chemical Division)  
Prantij” Dist, Himatnagar**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**

**Department : Department of Chemical**

**Date of Activity : 05/02/2024**

SWARNIM INSTITUTE OF  
TECHNOLOGY



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Department of Chemical		
Activity Type	Industrial Visit		
Date	05/02/2024	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	29
Name with Designation	Mr. Mahesh Makwana (Environment Manager)		
Name of Organization	Ambuja Export Ltd. (Bio Chemical Division)		
Expert contact details	+91- 97269000233		
Faculty Coordinator	Dr Parwathi Pillai		
Faculty contact details	+91- 9016931688		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. Ambuja export Ltd, Prantij Dist, Himmatnagar

#### About the Field:

Gujarat Ambuja Exports Limited (GAEL) (Bio Chemical Division) is principally involved in the manufacturing of Corn Starch Derivatives, Soya Derivatives, Feed Ingredients, Cotton Yarn, and Edible Oils. Since its incorporation in 1991, GAEL strives to serve the Food, Pharmaceutical, Feed and many other industries with a long term growth strategy in the Agro-Processing sector.

#### Details about the activity:

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Chemical, Environment, was arranged on **05 February 2024**. The Visit was at Gujarat Ambuja Exports Limited (GAEL). The visit started with a brief explanation about what is Safety measures, GPCB Guideline and CC&A of the Company, The Production of Starch, Glucose and Sorbitol, Dextrose Anhydrous, Gluten, Maize Husk Dry, and Husk (By product) produce In plant, How the ETP and STP plant work, Different parts of the Reaction in Boiler and Mass balance, Pacaging and Loading of All Products in Plant, how much amount of production they do every year, etc. This whole explanation was given by Mr Mahesh Makwana and Mr. Bharat bhai then they started to show the live demonstration of Different processes and machines that are used in manufacturing of Maize Product.

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## Outcome (Benefits to students, faculties, school and university)

From one days of the industrial visit, students benefited with the following things:

- They gain Practical knowledge in Chemical, Environment and work.
- They learned how Starch, Glucose and Sorbitol, Dextrose Anhydrous, Gluten, Maize Husk Dry, and Husk (By product) produce and its Uses and manufacture.
- Students are Learned how to Used Different types of Laboratory Instruments for the Analysis of Product.
- They learn how to execute innovative idea and achieved main objectives of organization.
- They also learned the safety measures they are maintaining in Ambuja Export Ltd.

### Photos:



## Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2325002006	Patel Meet Vasanthbhai	Meet
2	3	2325002001	Patel Ronakkumar Shashikantbhai	Ronak
3	3	2325002003	Dhruval Hareshbhai Patel	Dhruval
4	3	235002005	Shekhaliya Hiten Nareshbhai	Shen
5	3	2325002004	Upadhyay Dhruvilkumar Dilipkumar	Upadhyay
6	3	2325002002	Patel Hariom Bhaveshbhai	Hariom
7	3	2224002001	Dilip Prasad Jaiswal	Dilip
8	5	2124002001	MESARIYA MILAN JITENDRAKUMAR	AN
9	5	2124002002	Pal Lalit Jagdish	Lalit
10	5	2124002003	Jamjada Ayan Umadkhan	AB
11	5	2124002004	Makwana soham pravinbhai	AB
12	5	2124002005	prajapati bhavik	AB
13	5	2225002001	ZALA MAYUR NALINKUMAR	AN
14	5	2225002002	Prajapati Sagar Jagdishbhai	AB
15	5	2225002003	Chovatiya Mehul Janakbhai	Mehul
16	5	2225002004	PAVANKUMAR GOPALBHAI PARATE	AB
17	5	2225002006	Patel Shwet Alpeshbhai	AB
18	5	2225002007	karna chaitanya	AB
19	5	2225002009	PATEL YASHKUMAR HASMUKHBHAI	Yash
20	5	2225002010	PATEL SNEH KANAIYALAL	Sneha
21	7	2024002001	Rajput Yuvrajsinh Rajuji	AB
22	7	2024002003	Aman Avdhesh Yadav	AB
23	7	2024002005	Joshi Prem bhaktsharan	Prem
24	7	2125002001	Brijesh Patel Prahladbhai	AB

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25	7	2125002002	Parth kanubhai vaghela	
26	7	2125002003	VALA ADITYASINH VANRAJSINH	AB
27	7	2125002004	Awan MO Ayaz Riyazuddin	<del>AA</del> P
28	7	2125002005	Het Anilbhai Desai	JP
29	7	2125002006	Bela jay alabhai	Jays



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## **“Report on Industrial Visit at IFFCO- Kalol”**

**Name of School : SWARNIM INSTITUTE OF  
TECHNOLOGY**  
**Department : Chemical Engineering Department**  
**Date of Activity : 28/09/2023**

SWARNIM INSTITUTE OF  
TECHNOLOGY





# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Chemical Engineering Department		
Activity Type	Industrial Visit		
Date	28/09/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	29
Name with Designation	Yashwant Mistry, Senior Manager Training		
Name of Organization	IFFCO, Kalol		
Expert contact details	yvmistry@iffco.in		
Faculty Coordinator	Dr Parwathi Pillai		
Faculty contact details	+91- 9586056562		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. IFFCO-Kalol

#### About the Field:

IFFCO's first Urea and ammonia production Facility, Kalol Production Unit was commissioned in 1974 with a production capacity of 910 MTPD of Ammonia & 1200 MTPD of Urea. Over the last 4 decades, IFFCO Kalol Production unit has expanded & reinvented to stay at par with the modern production units both in terms of production capacity as well as technology. Today IFFCO Kalol plant has a production capacity of 1100 MTPD of Ammonia and 1650 MTPD of Urea.

#### Details about the activity:

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Chemical, Environment, Mechanical and Automobile, Electrical and Civil Engineering was arranged on 28 September 2022. The Visit was at IFFCO-Kalol. The visit started with a brief explanation about what is Safety measures for Engineering, How Urea production works, How the Ammonia Plant works, Different parts of the submersible pump, how much amount of production they do every year, etc. This whole explanation was given by Yashwant Mistry and then they started to show the live demonstration of Different processes and machines that are used in manufacturing of urea. Environment students learned about ETP plants. They have also shown the pumps that are been used and the utility plant.

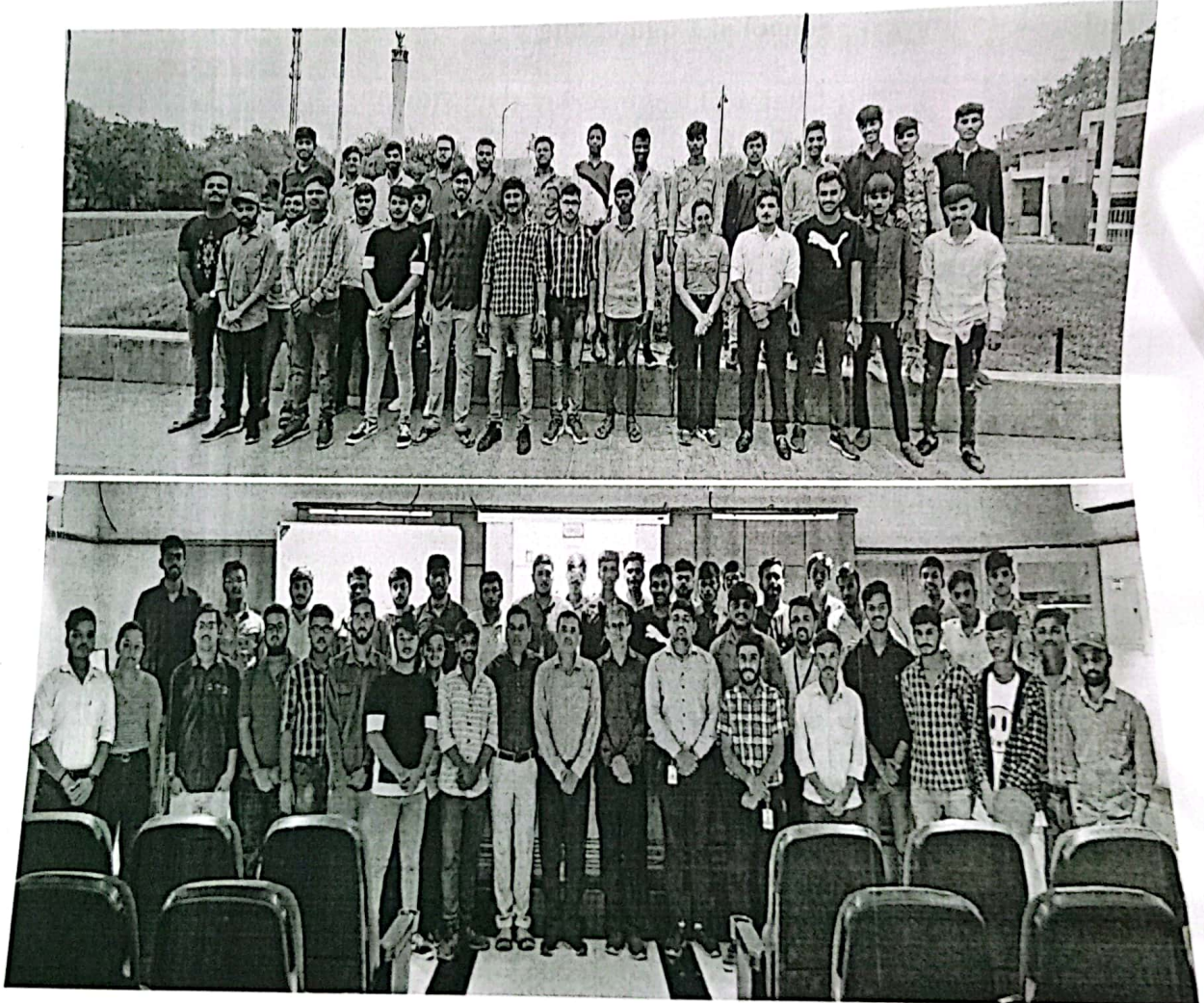
#### Outcome (Benefits to students, faculties, school and university)



From one days of the industrial visit, students benefited with the following things:

- They gain Practical knowledge in the Chemical, Environment and mechanical world.
- They learned how Ammonia, Urea, ETP and Pump parts are manufacture.
- They learn how to execute innovative idea and achieved main objectives of the organization.
- They also learned the safety measures they are maintaining in IFFCO-Kalol

**Photos:**







Dixit Patel <dixitkumar.patel@swarnim.edu.in>

**Regarding confirmation of Swarnim Startup and Innovation University, Gandhinagar students Industrial Visit on 28.09.2023 at IFFCO Kalol**  
4 messages

Y V MISTRY <yvmistry@iffco.in>  
To: Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

Mon, Sep 11, 2023 at 2:27 PM

आदरणीय महोदय,

Your request for IFFCO-Kalol Industrial visit of students on 28.09.2023 is approved by our Director -IFFCO Kalol .

You are requested to plan your visit and reach here at UREA Plant Security Gate around 0900Hrs as it will take half an hour to do the security check-up procedures.

The mentors must come along with students and all of them should carry their college IDs and Adhaar with them and Students must remain disciplined while they are inside the plant premises.

Please inform me in advance with the names of mentors accompanying students.

With Regards.

यशवंत मिस्त्री

वरि.प्रबंधक (प्रशिक्षण)

इफको कलोल

ई.मेल yvmistry@iffco.in

मो. 9426427422 ओ.०७९२३२८२५७२

From: Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
Sent: Monday, September 11, 2023 9:53 AM  
To: Y V MISTRY <yvmistry@iffco.in>  
Subject: Regarding Industrial Visit Permission

SWARNIM INSTITUTE OF  
TECHNOLOGY

" [This e-Mail is from outside IFFCO]"

Respected sir,

I Prof.Dixit Patel from swarnim startup and innovation University,Gandhinagar.as per telephonic talk with you I planned to arrange the industrial visit of university student on the date 28 september 2023..I required permission for industrial visit at IFFCO ,Kalol.Your IFFCO industry is near to our university so i request to you grant permission of Industrial visit on 28 september 2023 at IFFCO,Kalol.



Prof.Dixit Patel(9714796518)

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This message has been scanned for malware by Forcepoint. [www.forcepoint.com](http://www.forcepoint.com)

Mon, Sep 11, 2023 at 3:11 P

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: HOD Civil <hod.civil@swarnim.edu.in>

[Quoted text hidden]

Wed, Sep 27, 2023 at 9:30

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: Y V MISTRY <yvmistry@iffco.in>

Respected sir,

Bhatt, Prof. Savan Tank

[Quoted text hidden]

Following mentors will come with students. Prof. Dixit Patel, Prof. Nayan Patel, Prof. Jugal

Wed, Sep 27, 2023 at 4:30

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: Y V MISTRY <yvmistry@iffco.in>  
Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

Respected sir,

Following mentors will come with 40 students for tomorrow industrial visit.

1. Prof. Dixit Patel-9714796518
2. Prof. Nayan Patel(99983 82298 )
3. Prof. Jugal Bhatt(9558392720)
4. Prof. Savan Tank(9016931688)
5. Prof. Tarun Makwana(8511763745)



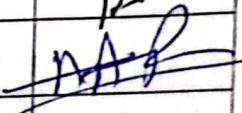

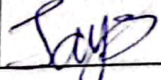
On Mon, 11 Sep 2023, 2:28 pm Y V MISTRY, <yvmistry@iffco.in> wrote:

[Quoted text hidden]



## Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2325002006	Patel Meet Vasanthbhai	Meet
2	3	2325002001	Patel Ronakkumar Shashikantbhai	Ronak
3	3	2325002003	Dhrumal Hareshbhai Patel	D Patel
4	3	235002005	Shekhaliya Hiten Nareshbhai	Shen
5	3	2325002004	Upadhyay Dhruvilkumar Dilipkumar	Up
6	3	2325002002	Patel Hariom Bhaveshbhai	Hariom
7	3	2224002001	Dilip Prasad Jaiswal	Dilip
8	5	2124002001	MESARIYA MILAN JITENDRAKUMAR	AB
9	5	2124002002	Pal Lalit Jagdish	harit
10	5	2124002003	Jamjada Ayan Umadkhan	AB
11	5	2124002004	Makwana soham pravinbhai	Soham
12	5	2124002005	prajapati bhavik	B
13	5	2225002001	ZALA MAYUR NALINKUMAR	AB
14	5	2225002002	Prajapati Sagar Jagdishbhai	Sagar
15	5	2225002003	Chovatiya Mehul Janakbhai	Mehul
16	5	2225002004	PAVANKUMAR GOPALBHAI PARATE	AB
17	5	2225002006	Patel Shwet Alpeshbhai	AB
18	5	2225002007	karna chaitanya	AB
19	5	2225002009	PATEL YASHKUMAR HASMUKHBHAI	Yash
20	5	2225002010	PATEL SNEH KANAIALAL	S
21	7	2024002001	Rajput Yuvrajsinh Rajuji	AB
22	7	2024002003	Aman Avdhesb Yadav	AB
23	7	2024002005	Joshi Prem bhaktsharan	Prem
24	7	2125002001	Brijesh Patel Prahladbhai	Brij

25	7	2125002002	Parth kanubhai vaghela	
26	7	2125002003	VALA ADITYASINH VANRAJSINH	
27	7	2125002004	Awan MO Ayaz Riyazuddin	
28	7	2125002005	Het Anilbhai Desai	
29	7	2125002006	Bela jay alabhai	





**SWARNIM**  
INSTITUTE OF TECHNOLOGY

## **“Report on Industrial Visit at The Green Environment Service Pvt. Ltd (CETP)”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Chemical Engineering Department**  
**Date of Activity : 21/08/2023**



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Chemical Engineering Department		
Activity Type	Industrial Visit		
Date	21/08/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	29
Name with Designation	Mr. Nilang Patel (Plant Manager)		
Name of Organization	Vatva, Ahmedabad		
Expert contact details	plantmanager@gescsl.com		
Faculty Coordinator	Dr. Parwathi Pillai		
Faculty contact details	+91- 9016931688		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. The Green Environment Service Pvt. Ltd (CETP), Vatva, Ahmedabad

#### About the Field:

The Vatva Industrial Estate Was Established By Gujarat Industrial Development Corporation In The Year 1960 In The South East Direction Of Ahmedabad City On Ahmedabad – Mehmabad State Highway To Accommodate Micro, Small And Medium Scale Industrial Units.

There are approximately 1800 units in this industrial Estate, out of which approximately 680 generate wastewater and have potential to cause water pollution. These include units manufacturing Pharmaceutical Products, Dyes, Dye-Intermediates, Pigments, Fine Chemicals and other organics. They also include Textile Process Houses, Rolling Mills and other Non-Chemical Process Industries.



Department of Environmental and Chemical Engineering is excited to extend an invitation to the Environment and Chemical Engineering department for an industrial visit from The Green Environment Service Pvt. Ltd (CETP).

**Details about the activity:**

Number of Students 20 and Professor 04 (Dr. Savan Tank Dr.Parwathi Pillai, Ms.ApexshaBrahmbhatt, Ms.BrindaGovani)

This visit provided our students with a unique opportunity to gain firsthand insight into the innovative and sustainable practices employed by CETP in the field of Environmental and Chemical engineering. It promises to be an educational and enriching experience for all participants.

**Outcome (Benefits to students, faculties, school and university):**

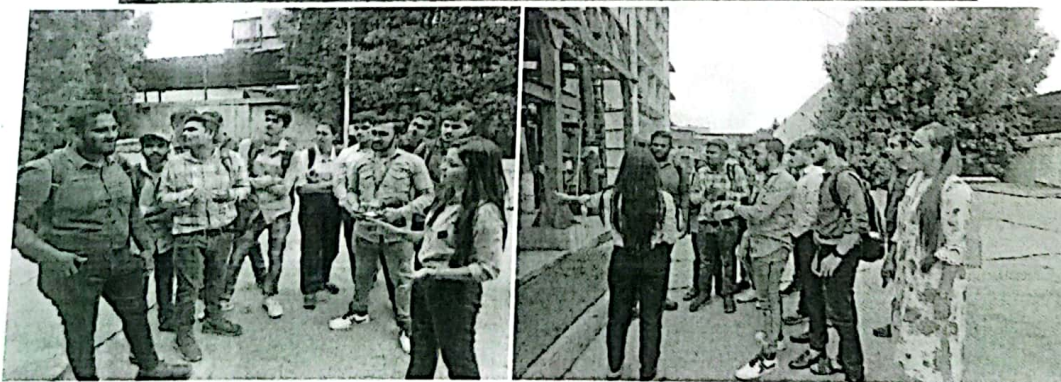
- Tour the CETP facilities and observe their cutting-edge technologies.
- Interact with industry experts and professionals who will share their experiences and knowledge.
- Learn about CETP's commitment to environmental sustainability and its role in chemical engineering processes.
- Ask questions and engage in discussions to deepen their understanding of the industry.
- To ensure a smooth and productive visit.

## Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	3	2325002006	Patel Meet Vasanthbhai	AB
2	3	2325002001	Patel Ronakkumar Shashikantbhai	Ronak
3	3	2325002003	Dhrumal Hareshbhai Patel	D Patel
4	3	2325002005	Shekhaliya Hiten Nareshbhai	Shy
5	3	2325002004	Upadhyay Dhruvilkumar Dilipkumar	Do
6	3	2325002002	Patel Hariom Bhaveshbhai	Hariom
7	3	2224002001	Dilip Prasad Jaiswal	Dilip
8	5	2124002001	MESARIYA MILAN JITENDRAKUMAR	AK
9	5	2124002002	Pal Lalit Jagdish	AB
10	5	2124002003	Jamjada Ayan Umadkhan	AB
11	5	2124002004	Makwana soham pravinbhai	Soham
12	5	2124002005	prajapati bhavik	AB
13	5	2225002001	ZALA MAYUR NALINKUMAR	AB
14	5	2225002002	Prajapati Sagar Jagdishbhai	AB
15	5	2225002003	Chovatiya Mehul Janakbhai	AB
16	5	2225002004	PAVANKUMAR GOPALBHAI PARATE	AB
17	5	2225002006	Patel Shwet Alpeshbhai	S Patel
18	5	2225002007	karna chaitanya	AB
19	5	2225002009	PATEL YASHKUMAR HASMUKHBHAI	AB
20	5	2225002010	PATEL SNEH KANAIYALAL	AB
21	7	2024002001	Rajput Yuvrajsinh Rajuji	Yuvrajsinh
22	7	2024002003	Aman Avdhesh Yadav	AB
23	7	2024002005	Joshi Prem bhaktsharan	Joshi P.B.
24	7	2125002001	Brijesh Patel Prahladbhai	AB



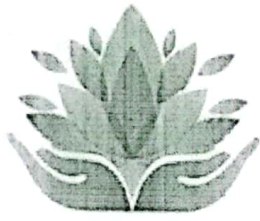
25	7	2125002002	Parth kanubhai vaghela	
26	7	2125002003	VALA ADITYASINH VANRAJSINH	<del>Adi</del>
27	7	2125002004	Awan MO Ayaz Riyazuddin	AB
28	7	2125002005	Het Anilbhai Desai	<del>HMD</del>
29	7	2125002006	Bela jay alabhai	AB





# **Department of Civil Engineering 2023-24**

SWARNIM INSTITUTE OF  
TECHNOLOGY



**SWARNIM**  
INSTITUTE OF TECHNOLOGY

**“Report on L&T Construction Skill  
Training Institute, Chacharavadi,  
Ahmedabad”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Civil Engineering**  
**Date of Activity : 20/02/2024**





# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

Institute	Swarnim Institute of Technology		
Department	Civil Engineering Department		
Activity Type	Industrial Visit		
Date	20/02/2024		
Semester	4 <sup>th</sup> , 6 <sup>th</sup> And 8 <sup>th</sup>	Duration	1 day
Namewith	Mr. Vrajesh Parekh	No. of Students	35
Designation	Principal, L&T CSTI, Chacharavadi		
Name of Organization	L&T Construction Skill Training Institute.		
Expert contact details	079-29794115		
Faculty Coordinator	Mr. Dixit Patel, Mr. Tarun Makwana, Dr. Kishan Darji		
Faculty contact details	+91-7984751295, +91-8511763745, +91-9265164441		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit at L&T Construction Skill Training Institute

#### About the Field:

The institute is located at Chacharawadi and is a state-of-the-art facility dedicated to imparting practical skills and knowledge to aspiring construction professionals. This Institute was Established in 2005 as a part of L&T's CSR Activities and since then it has served the Society and Nation. This is the only large training center in Gujarat which provides free training to the students and workers for 3 months and then makes skilled labor. L&T provided them job opportunities in different states.

### **Details about the activity:**

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Civil Engineering was arranged on 20 February 2024. This visit provided a unique opportunity to gain knowledge of formwork, Carpenter, Bar Bending Schedule, Mason Work, Surveying, Quality Control, Scaffolding and Safety at Construction Site. They have learnt about on-site execution of these activities and the Details associated with each activity. It was an educational and enriching experience for all students.

Special Thanks to Mr. Vrajesh Parekh Sir (Principal L&T CSTI) for allowing us This Visit. He shared his knowledge and deepened the student's understanding of the industry. The industrial visit to L&T Construction Skill and Training Institute proved to be a valuable learning experience for civil engineering students. It provided them with practical exposure to various facets of construction and equipped them with essential skills and knowledge to excel in their future careers in the field of civil engineering.

### **Outcome (Benefits to students, faculties, school, and university)**

From one day of the industrial visit, students benefited from the following things:

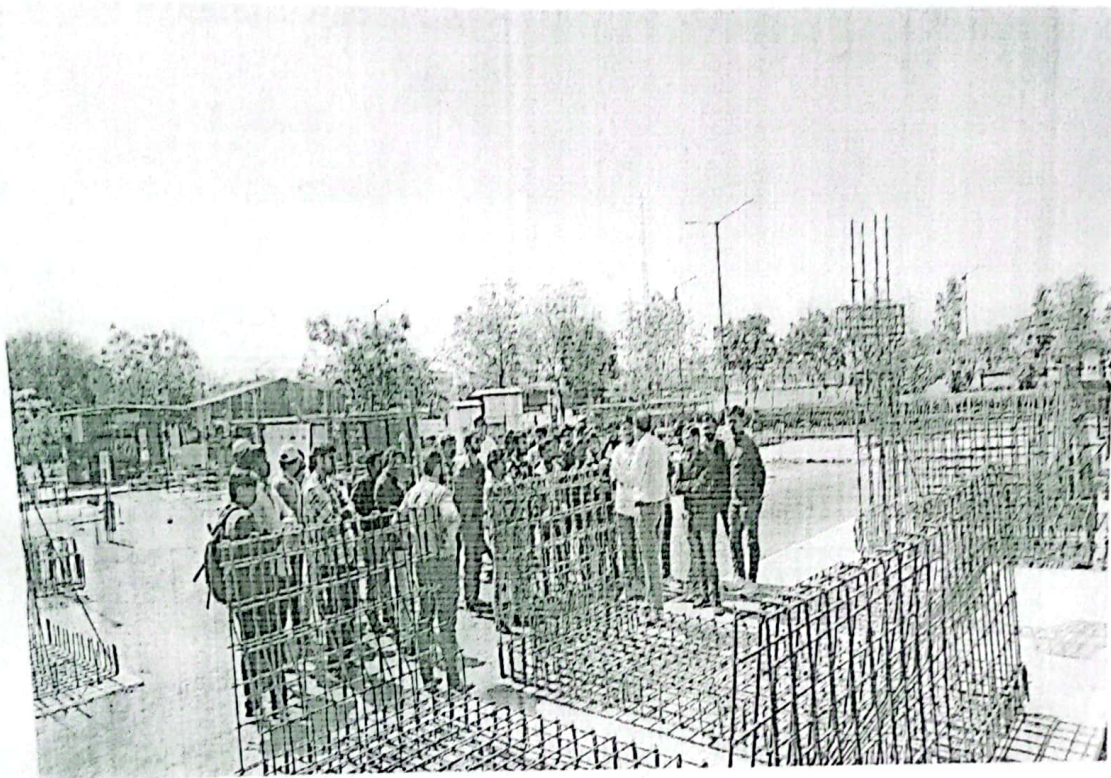
- As becoming future civil engineers' students come to know about the practical application of Building construction knowledge like different types of footing design, foundation design, different types of scaffolding, different types of materials, shuttering, different types of wall bonds, handy tools, Reinforcement details, plumbing arrangements, electricity arrangements, testing models, bridge models and even new technologies used in construction work.
- The major objective behind organizing such trips is to encourage young minds to develop an interest in all sorts of enterprises, and to encourage them to dream big in life.
- Civil Department believes that young students when given exposure; it helps them understand their own potential and get motivated to work towards the same.



Photos











HOD Civil <hod.civil@swarnim.edu.in>

## Permission for industrial visit at L&T Construction Skill Training Institute

Messages

Tue, Feb 6, 2024 at 11:47 AM

JD Civil <hod.civil@swarnim.edu.in>

To: vrparekh@Intecc.com

Cc: Dixit Patel <dixitkumar.patel@swarnim.edu.in>, Tarun Makwana <tarun.makwana@swarnim.edu.in>

Respected sir,

I am Prof. Mansi Prajapati, Head of the Civil Engineering Department of Swarnim Institute of Technology from Swarnim Startup and Innovation University, Gandhinagar. As per our telephonic talk with you, We have planned to arrange the industrial visit of a university student on the date 20 February 2024. I required permission for an industrial visit at L&T Construction Skill Training Institute, Bavla Road, Chacharavadi, Sarkhej, Ahmedabad. So I request that you grant permission for an Industrial visit on 20 February 2024 at L&T Construction Skill Training Institute.

Thanking you,

Regards

Prof. Mansi Prajapati (950974682)

Prof. Dixit Patel (9714796518)

Prof. Tarun Makwana (8511763745)

--

Warm Regards,

Prof. Mansi Prajapati

I/C HOD // Civil Engineering

School of Engineering



At: Bhoyan Rathod, Sertha, Gandhinagar  
(M): 9428913589

PAREKH VRAJESHKUMAR RASIKLAL <vrparekh@Intecc.com>

Tue, Feb 6, 2024 at 11:53 AM

To: HOD Civil <hod.civil@swarnim.edu.in>

Cc: Dixit Patel <dixitkumar.patel@swarnim.edu.in>, Tarun Makwana <tarun.makwana@swarnim.edu.in>, Pankajlal Joshi <pkjoshi@Intecc.com>, Ashish Hasmukhlal Shah <Ashish\_shah@Intecc.com>

Ok well come

From: HOD Civil <hod.civil@swarnim.edu.in>

Sent: 06 February 2024 11:48

To: PAREKH VRAJESHKUMAR RASIKLAL <vrparekh@Intecc.com>

Cc: Dixit Patel <dixitkumar.patel@swarnim.edu.in>; Tarun Makwana <tarun.makwana@swarnim.edu.in>

Subject: Permission for industrial visit at L&T Construction Skill Training Institute

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## SWARNIM STARTUP & INNOVATION UNIVERSITY

6.2 - Whether the University is admitting students from national level entrance Test or state level entrance test? If yes, please provide following details:-

Institute Name: Swarnim Institute of Technology

In SIT, Students are admitting only in B.Tech. and M.Tech. through Entrance Test.

Course: B. Tech.

Academic Year	Name of National/ State level entrance exam	No. of students admitted	%age of students from the total admitted	Remarks
2017-18	JEE / GUJCET	192/210	91.42 %	
2018-19	JEE / GUJCET	143/155	92.25 %	
2019-20	JEE / GUJCET	80/89	89.88 %	
2020-21	JEE / GUJCET	121/135	89.62 %	
2021-22	JEE / GUJCET	60/70	85.71 %	

Course: M. Tech.

Academic Year	Name of National/ State level entrance exam	No. of students admitted	%age of students from the total admitted	Remarks
2017-18	GATE / PGCEET	05/20	25%	
2018-19	GATE / PGCEET	08/25	32%	
2019-20	GATE / PGCEET	07/25	28%	
2020-21	GATE / PGCEET	08/39	20%	
2021-22	GATE / PGCEET	03/14	21%	



# SWARRNIM STARTUP AND INNOVATION UNIVERSITY

## SWARNIM INSTITUTE OF TECHNOLOGY

Sr. No.	Name of Student	Enrollment No.	Department	Sign
1	Pank Chavhan	2122002001	Civil	
2	Manthan Rathod	2122002003	"	
3	Tamul Shah	2122002002	"	
4	Dev Patel	2122002004	"	
5	Bhawik Patel	2022002007	"	
6	Divy Patel	2024003009	"	
7	Chandhury. Harshiddha.	2024003010	civil	
8	Tukar Nilesk	2024003004	"	
9	Ghedyu Keyur	2024003011	civil	
10	Harsh modi	2225001001	Enviroment	
11	Shiddhant Bamel	2124002002	Civil	
12	Sandesh Limbu	2222002005	Civil	
13	Chandrakararayan sah	2224003004	Civil	
14	Shraddha mahata	2224003006	"	
15	Ashish Deo	2124003002	"	
16	Gajendra Raj chandhury	2124003001	"	
17	Dileep Bipin	2125003002	Civil	
18	MAST A. NAKHU	2125003004	Civil	
19	OM Shankar Gupta	2222002004	DIP.Civil	
20	Nitesh Kumar mahata	2224003007	Civil	
21	Pankaj Kumar Yadav	2224003004	Civil	
22	Dilip prasad jaiswal	2224002001	Chemical	
23	Prince Patel	2024003002	civil	
24	Kunal B. Patel	2024003001	Civil	
25	Dineshkumar Vannara	2024003008	Civil	
26	Chandan kr Mahata	2224003006	Civil	
27	Ajay Baghel	2224003005	"	
28	Sanu Anasui	2324003002	Civil	
29	Harsh Jain	2324003004	Civil	
30	Bhramar Jael	2324003001	Civil	
31	Shrimali Tawar	2224003007	Civil	
32	Patel varsu	2122005009	M E	
33	Pothun prab Khan.	2122005005	M.E.	
34	mistry sehil	2122005003	M.E.	
35	Bansat meet	2122001003	M.E.	



**SWARRNIM**  
INSTITUTE OF TECHNOLOGY

## **“Report on Industrial Visit at IFFCO- Kalol”**

**Name of School : SWARRNIM INSTITUTE OF TECHNOLOGY**  
**Department : Civil Engineering Department**  
**Date of Activity : 28/09/2023**





# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Civil Engineering Department		
Activity Type	Industrial Visit		
Date	28/09/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	30
Namewith Designation	Yashwant Mistry, Senior Manager Training		
Name of Organization	IFFCO, Kalol		
Expert contact details	yvmistry@iffco.in		
Faculty Coordinator	Mr. Dixit Patel		
Faculty contact details	+91- 9714796518		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit.IFFCO-Kalol

#### About the Field:

IFFCO's first Urea and ammonia production Facility, Kalol Production Unit was commissioned in 1974 with a production capacity of 910 MTPD of Ammonia & 1200 MTPD of Urea. Over the last 4 decades, IFFCO Kalol Production unit has expanded & reinvented to stay at par with the modern production units both in terms of production capacity as well as technology. Today IFFCO Kalol plant has a production capacity of 1100 MTPD of Ammonia and 1650 MTPD of Urea.

#### Details about the activity:

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Chemical, Environment, Mechanical and Automobile, Electrical and Civil Engineering was arranged on 28 September 2023. The Visit was at IFFCO-Kalol. The visit started with a brief explanation about what is Safety measures for Engineering, How Urea production works, How the Ammonia Plant works, Different parts of the submersible pump, how much amount of production they do every year, etc. This whole explanation was given by Yashwant Mistry and then they started to show the live demonstration of Different processes and machines that are used in manufacturing of urea. Environment students learned about ETP plants. They have also shown the pumps that are been used and the utility plant.

## Outcome (Benefits to students, faculties, school and university)

From one days of the industrial visit, students benefited with the following things:

- They gain Practical knowledge in the Chemical, Environment and mechanical world.
- They learned how Ammonia, Urea, ETP and Pump parts are manufacture.
- They learn how to execute innovative idea and achieved main objectives of the organization.
- They also learned the safety measures they are maintaining in IFFCO-Kalol

### Photos:



SWARNIM INSTITUTE OF  
TECHNOLOGY





Dixit Patel <dixitkumar.patel@swarnim.edu.in>

## Regarding confirmation of Swarnim Startup and Innovation University, Gandhinagar students Industrial Visit on 28.09.2023 at IFFCO Kalol

4 messages

Y V MISTRY <yvmistry@iffco.in>

Mon, Sep 11, 2023 at 2:27 PM

To: Dixit Patel <dixitkumar.patel@swarnim.edu.in>

Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

आदरणीय महोदय,

Your request for IFFCO-Kalol Industrial visit of students on 28.09.2023 is approved by our Director -IFFCO Kalol .

You are requested to plan your visit and reach here at UREA Plant Security Gate around 0900Hrs as it will take half an hour to do the security check-up procedures.

The mentors must come along with students and all of them should carry their college IDs and Adhaar with them and Students must remain disciplined while they are inside the plant premises.

Please inform me in advance with the names of mentors accompanying students.

With Regards.

यशवंत मिस्त्री

वरि.प्रबंधक (प्रशिक्षण)

इफको कलोल

ई.मेल yvmistry@iffco.in

मो. 9426427422 ओ.:07923282572

From: Dixit Patel <dixitkumar.patel@swarnim.edu.in>

Sent: Monday, September 11, 2023 9:53 AM

To: Y V MISTRY <yvmistry@iffco.in>

Subject: Regarding Industrial Visit Permission

" [This e-Mail is from outside IFFCO]"

SWARNIM INSTITUTE OF  
TECHNOLOGY

Respected sir,

I Prof.Dixit Patel from swarnim startup and innovation University,Gandhinagar.as per telephonic talk with you I planned to arrange the industrial visit of university student on the date 28 september 2023..I required permission for industrial visit at IFFCO ,Kalol.Your IFFCO industry is near to our university so i request to you grant permission of Industrial visit on 28 september 2023 at IFFCO,Kalol.

Thanking you,

Regards

Prof.Dixit Patel(9714796518)

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Mon, Sep 11, 2023 at 3:11 PM

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: HOD Civil <hod.civil@swarnim.edu.in>

[Quoted text hidden]

Wed, Sep 27, 2023 at 9:36 AM

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: Y V MISTRY <yvmistry@iffco.in>

Respected sir,  
Following mentors will come with students.Prof.Dixit Patel,Prof.Nayan Patel,Prof.Jugal Bhatt,Prof.Savan Tank

[Quoted text hidden]

Wed, Sep 27, 2023 at 4:30 PM

Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
To: Y V MISTRY <yvmistry@iffco.in>  
Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

Respected sir,  
Following mentors will come with 40 students for tomorrow industrial visit.

- 1.Prof.Dixit Patel-9714796518
- 2.Prof.Nayan Patel(99983 82298 )
- 3.Prof.Jugal Bhatt(9558392720)
- 4.Prof.Savan Tank(9016931688)
- 5.Prof.Tarun Makwana(8511763745)

On Mon, 11 Sep 2023, 2:28 pm Y V MISTRY, <yvmistry@iffco.in> wrote:

[Quoted text hidden]



# SWARRNIM INSTITUTE OF TECHNOLOGY

## IFFCO, KALOL INDUSTRIAL VISIT

Sr. No.	Student Name	Branch	Sign
01	Dhupendra kr Mahato	B.tech civil III	
02	Meserija Milan .J	B.Tech/chemical IV	
03	Harsh modi	B. Tech Env	Harsh modi.
04	Chandla narayan Sah	B.Tech civil III	
05	Shiddhant Basmel	B-tech civil III	
06	Raj karan Baring	Diploma III	
07	Gatendra Ram Chaudhary	B.tech civil V	
08	Aashis Doo	B.tech civil I	
09	Tiwari Nitesh	B.tech civil	
10	MINET NAKUM	B.tech civil	
11	Vaghela Manohar	B.tech Evin	
12	Parmul Dipin. L	B.tech civil	
13	Ketkar Gadiya	B.tech civil	
14	Thakur Shubh .A	Automobile	
15	Shivam Singh	"	
16	Pathan Arbut Khan	"	
17	Patel vishu	Mech	v.s. Patel
18	Patel Dhruv	Diploma Electrical	
19	Yuvraj Singh Rujput	Electrical	
20	Pal Lalit Jagdish	Btech chemical	

SWARNIM INSTITUTE OF TECHNOLOGY			
IFFCO, KALOL INDUSTRIAL VISIT			
Sr. No.	Student Name	Branch	Sign
21	Kundan Kumar Barnwal	B.Tech(EE) 3 <sup>rd</sup> Sem	Kundan
22	Adarash Jha	Diploma 3 <sup>rd</sup>	Adarash
23	Dhruv Patel	B.Tech 3 <sup>rd</sup>	Dhruv
24	Mistry Sahil	DE.M.E. 5 <sup>th</sup>	Mistry
25	PANKIT PALIWAL	DE.AUTO 5 <sup>th</sup>	PANKIT
26	meht BAROT	DE.AUTO 5 <sup>th</sup>	meht
27	Manish Singh	B.Tech Env.	Manish
28	Bharti	B.Tech Env.	Bharti
29	Jeda Jagdeep	B.Tech. Mech	Jeda
30	Huresith Chudhary	B.Tech Mech	Huresith
31	Divy Chudhary	B.Tech Mech	Divy
32	Ayash Barnwal	D. Comp	Ayash
33	prajapati Bhavik K.	B.Tech Chem. 5 <sup>th</sup>	BK P.
34	Vivek Radadiya	B.Tech	Vivek P.
35	Bhavitik Patel	Diploma Civil	Bhavitik
36	Sapal Patel	Diploma Civil	Sapal

SWARNIM INSTITUTE OF  
TECHNOLOGY



## IFFCO, KALOL INDUSTRIAL VISIT



# **Department of Mechanical/Automobile Engineering 2023-24**

Mech  
2





**SWARNIM**  
INSTITUTE OF TECHNOLOGY

**“Report on L&T Construction Skill  
Training Institute, Chacharavadi,  
Ahmedabad”**

**Name of School : SWARNIM INSTITUTE OF  
TECHNOLOGY**

**Department : Civil Engineering & Mechanical Engineering**

**Date of Activity : 20/02/2024**



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

Institute	Swarnim Institute of Technology		
Department	Civil Engineering & Mechanical Engineering Department		
Activity Type	Industrial Visit		
Date	20/02/2024	Duration	1 day
Semester	4 <sup>th</sup> , 6 <sup>th</sup> And 8 <sup>th</sup>	No. of Students	35
Name with Designation	Mr. Vrajesh Parekh Principal, L&T CSTI, Chacharavadi		
Name of Organization	L&T Construction Skill Training Institute.		
Expert contact details	079-29794115		
Faculty Coordinator	Mr. Dixit Patel, Mr. Tarun Makwana, Dr. Kishan Darji		
Faculty contact details	+91-7984751295, +91-8511763745, +91-9265164441		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit at L&T Construction Skill Training Institute

#### About the Field:

The institute is located at Chacharavadi and is a state-of-the-art facility dedicated to imparting practical skills and knowledge to aspiring construction professionals. This Institute was Established in 2005 as a part of L&T's CSR Activities and since then it has served the Society and Nation. This is the only large training center in Gujarat which provides free training to the students and workers for 3 months and then makes skilled labor. L&T provided them job opportunities in different states.



### **Details about the activity:**

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Civil Engineering was arranged on 20 February 2024. This visit provided a unique opportunity to gain knowledge of formwork, Carpenter, Bar Bending Schedule, Mason Work, Surveying, Quality Control, Scaffolding and Safety at Construction Site. They have learnt about on-site execution of these activities and the Details associated with each activity. It was an educational and enriching experience for all students.

Special Thanks to Mr. Vrajesh Parekh Sir (Principal L&T CSTI) for allowing us This Visit. He shared his knowledge and deepened the student's understanding of the industry. The industrial visit to L&T Construction Skill and Training Institute proved to be a valuable learning experience for civil engineering students. It provided them with practical exposure to various facets of construction and equipped them with essential skills and knowledge to excel in their future careers in the field of civil engineering.

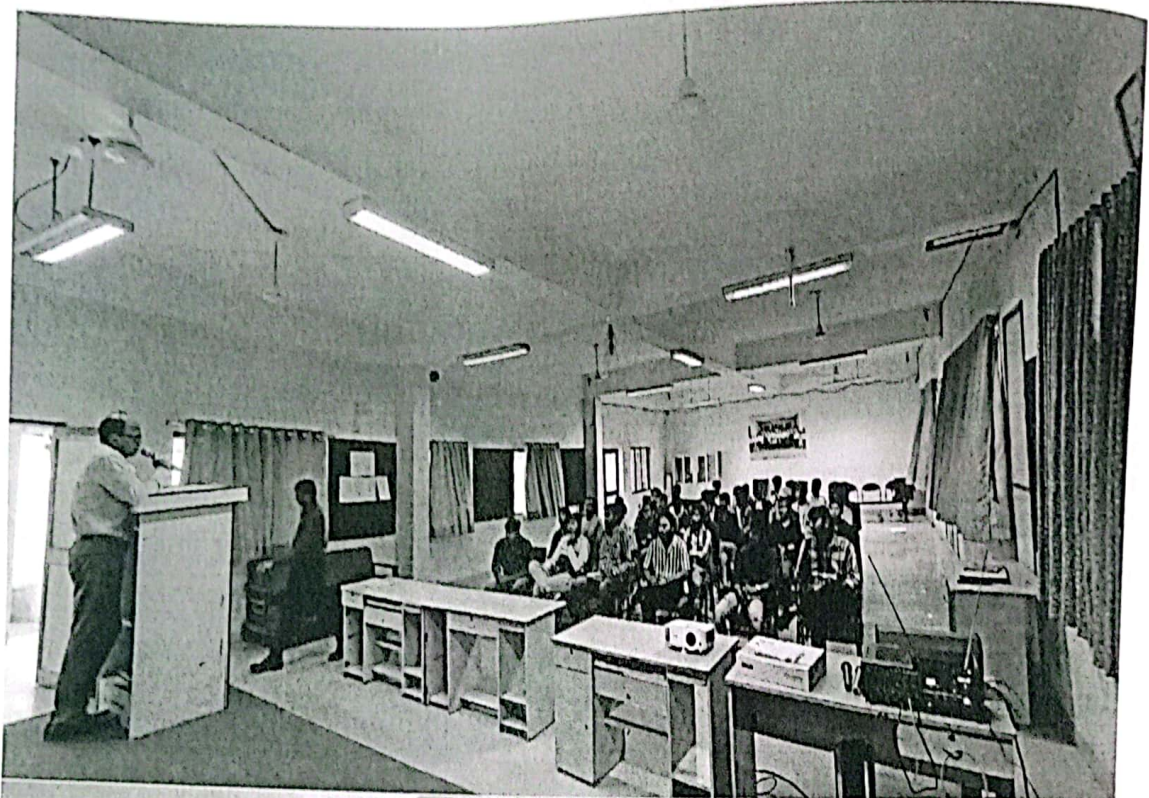
### **Outcome (Benefits to students, faculties, school, and university)**

From one day of the industrial visit, students benefited from the following things:

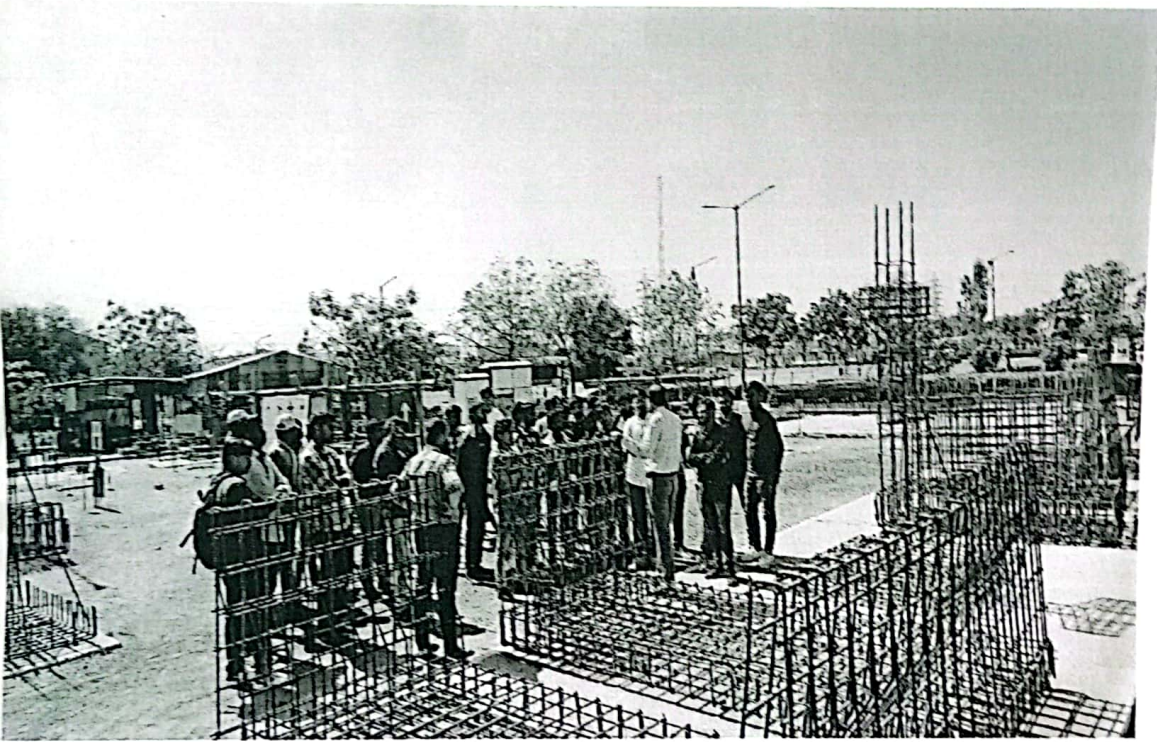
- As becoming future civil engineers' students come to know about the practical application of Building construction knowledge like different types of footing design, foundation design, different types of scaffolding, different types of materials, shuttering, different types of wall bonds, handy tools, Reinforcement details, plumbing arrangements, electricity arrangements, testing models, bridge models and even new technologies used in construction work.
- The major objective behind organizing such trips is to encourage young minds to develop an interest in all sorts of enterprises, and to encourage them to dream big in life.
- Civil Department believes that young students when given exposure; it helps them understand their own potential and get motivated to work towards the same.



Photos:







SWARNIM INSTITUTE OF  
TECHNOLOGY





## Permission for Industrial visit at L&T Construction Skill Training Institute

2 messages

Tue, Feb 6, 2024 at 11:47 AM

HOD Civil &lt;hod.civil@swarnim.edu.in&gt;

To: vrparekh@intec.com

Cc: Dixit Patel &lt;dixitkumar.patel@swarnim.edu.in&gt;, Tarun Makwana &lt;tarun.makwana@swarnim.edu.in&gt;

Respected sir,

I am Prof. Mansi Prajapati, Head of the Civil Engineering Department of Swarnim Institute of Technology from Swarnim Startup and Innovation University, Gandhinagar. As per our telephonic talk with you, We have planned to arrange the industrial visit of a university student on the date 20 February 2024. I required permission for an industrial visit at L&T Construction Skill Training Institute, Bayla Road, Chacharavadi, Sarkhej, Ahmedabad. So I request that you grant permission for an industrial visit on 20 February 2024 at L&T Construction Skill Training Institute.

Thanking you,

Regards

Prof. Mansi Prajapati (950974682)

Prof. Dixit Patel (9714706518)

Prof. Tarun Makwana (8911763745)

Warm Regards,

Prof. Mansi Prajapati

I/C HOD // Civil Engineering

School of Engineering



SWARNIM  
INSTITUTE OF TECHNOLOGY  
GANDHINAGAR  
AHMEDABAD

At: Bhayan Rathod, Sarkhej, Gandhinagar

(M) 9428913589

PAREKH VRAJESHKUMAR RASIKLAL &lt;vrparekh@intec.com&gt;

Tue, Feb 6, 2024 at 11:53 AM

To: HOD Civil &lt;hod.civil@swarnim.edu.in&gt;

Cc: Dixit Patel &lt;dixitkumar.patel@swarnim.edu.in&gt;, Tarun Makwana &lt;tarun.makwana@swarnim.edu.in&gt;, Pankaj Joshi &lt;pkjoshi@intec.com&gt;, Ashish Hasmukhlal Shah &lt;Ashish\_shah@intec.com&gt;

Ok well come

From: HOD Civil &lt;hod.civil@swarnim.edu.in&gt;

Sent: 06 February 2024 11:48

To: PAREKH VRAJESHKUMAR RASIKLAL &lt;vrparekh@intec.com&gt;

Cc: Dixit Patel &lt;dixitkumar.patel@swarnim.edu.in&gt;, Tarun Makwana &lt;tarun.makwana@swarnim.edu.in&gt;

Subject: Permission for industrial visit at L&amp;T Construction Skill Training Institute

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**SWARNIM STARTUP AND INNOVATION UNIVERSITY**  
**SWARNIM INSTITUTE OF TECHNOLOGY**

Sr. No.	Name of Student	Enrollment No.	Department	Sign
1	Pankaj Chaudhan	2122002001	Civil	
2	Manthan Rathod	2122002003	"	
3	Jaimil Shah	2122002002	"	
4	Dev Patel	2122002004	"	
5	Bhavitik Patel	2022002002	"	
6	Divy Patel	2024003009	"	Divy
7	Chaudhary Harshiddh	2024003010	Civil	Chaudhary
8	Tunaz Nitesh	2024003004	"	
9	Ghediya Kevur	2024003011	Civil	
10	Harsh madi	2325004001	Environment	Harsh madi
11	Shiddhant Barmet	22240023002	Civil	
12	Sandesh Limbu	2222002005	Civil	Sandesh
13	Chandana Narayan Sah	2224002004	Civil	
14	Shippendha mahato	2224003006	"	Shippendha
15	Ashish Deo	2124003002	"	Ashish
16	Gajendra Raj Chaudhary	2124003001	"	Gajendra
17	Dileep Bipin	2125003002	Civil	Dileep
18	M.K.T. A. NAKIM	2125003004	Civil	
19	OM Shankar Gupta	2222002004	diP.Civil	
20	Nitesh Kumar Mahato	2224003007	Civil	
21	Pankaj Kumar Yadav	2224003003	Civil	
22	Dilip Prasad Jaiswal	2224002001	Chemical	
23	Prince Patel	2024003002	Civil	Prince
24	Krunal B. Patel	2024003001	Civil	Krunal
25	Dineshkumar Vanzara	2024003008	Civil	D.C.Vanzara
26	Chandan Kr Mahato	2324002006	Civil	
27	Ajay Baghel	2324003005	"	
28	Sauri Anand	2324003002	Civil	
29	Harsh Jain	2324003004	Civil	
30	Bhramya Zol	2324003001	Civil	
31	Shrimuli Tawar	2324003007	Civil	
32	Patel vasu	2122003009	M.E.	V. Patel
33	Pothan Prab Khan	2122003005	M.P.	Pothan
34	Mistry Sachil	2122005003	M.E.	Mistry
35	Bansat Meek	2122002003	A.E.	meek





**SWARNIM**  
INSTITUTE OF TECHNOLOGY

## **“Report on Industrial Visit at IFFCO- Kalol”**

**Name of School : SWARNNIM INSTITUTE OF  
TECHNOLOGY**

**Department : Chemical, Environment & Mechanical, Civil  
and Electrical Engineering Department**

**Date of Activity : 28/09/2023**



### Activity Report

School	School of Engineering		
Department	Chemical, Environment & Mechanical, Civil and Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	28/09/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	30
Name with Designation	Yashwant Mistry, Senior Manager Training		
Name of Organization	IFFCO, Kalol		
Expert contact details	ymistry@iffco.in		
Faculty Coordinator	Mr. Dixit Patel, Dr. Sayan Tank, Mr. Nayan Patel, Mr. Jugal Bhatt		
Faculty contact details	91- 9714796518		
Sponsoring authority	Principal/Registrar	Sponsorship amount	As per University Norms

#### Activity Details:

- Industrial Visit, IFFCO-Kalol

#### About the Field:

IFFCO's first Urea and ammonia production Facility, Kalol Production Unit was commissioned in 1974 with a production capacity of 910 MTPD of Ammonia & 1200 MTPD of Urea. Over the last 4 decades, IFFCO Kalol Production unit has expanded & reinvented to stay at par with the modern production units both in terms of production capacity as well as technology. Today IFFCO Kalol plant has a production capacity of 1100 MTPD of Ammonia and 1650 MTPD of Urea.

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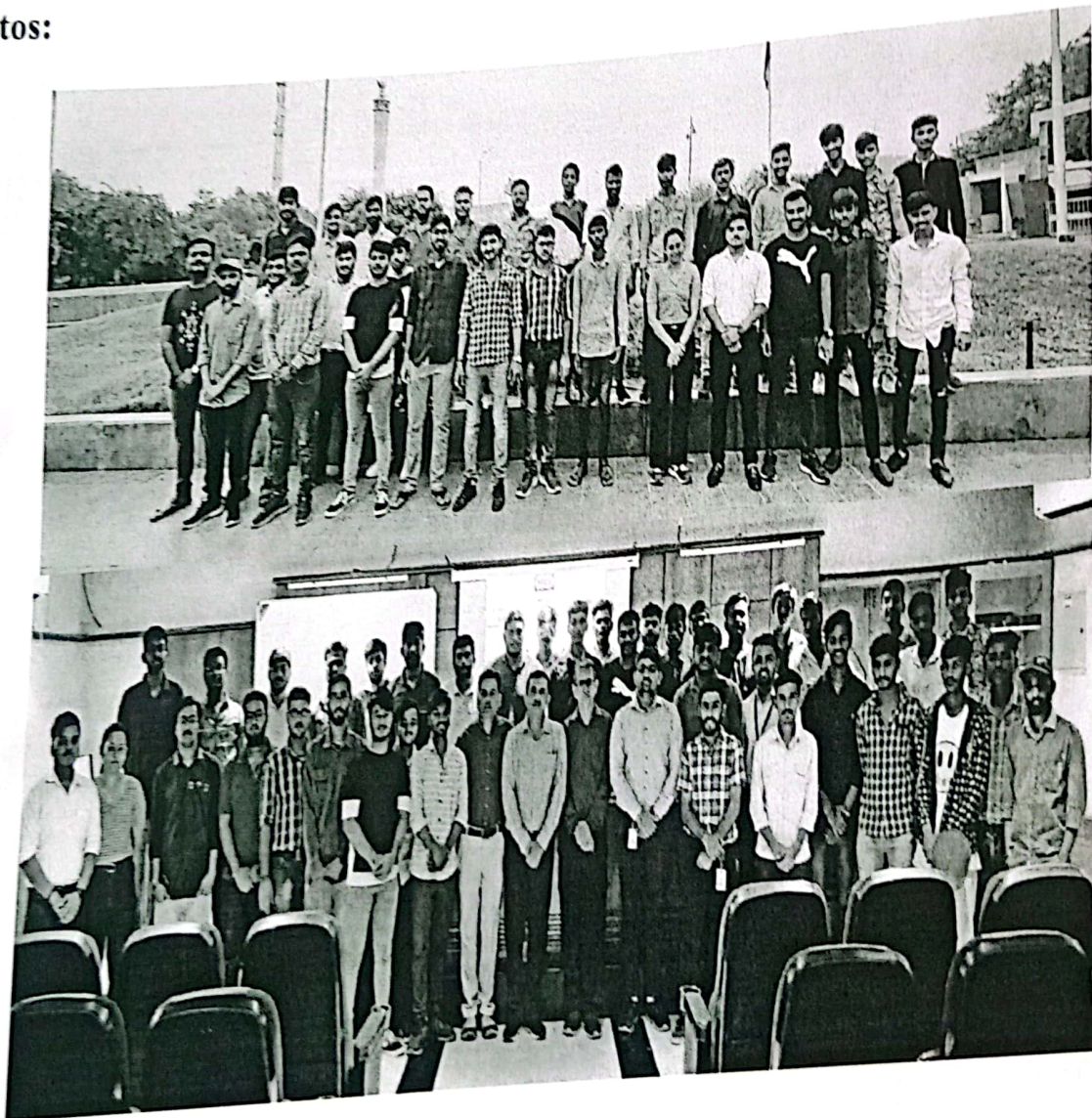


## Outcome (Benefits to students, faculties, school and university)

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- They gain Practical knowledge in the Chemical, Environment and mechanical world.
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- They learn how to execute innovative idea and achieved main objectives of the organization.
- They also learned the safety measures they are maintaining in IFFCO-Kalol

### Photos:



SWARNIM INSTITUTE OF  
TECHNOLOGY

**Regarding confirmation of Swarnim Startup and Innovation University, Gandhinagar students Industrial Visit on 28.09.2023 at IFFCO Kalol**  
4 messages

Y V MISTRY <yvmistry@iffco.in>  
To: Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
Cc: SANJIV KUNDRA <sanjivkundra@iffco.in>

Mon, Sep 11, 2023 at 2:27 PM

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The mentors must come along with students and all of them should carry their college IDs and Adhaar with them and Students must remain disciplined while they are inside the plant premises.

Please inform me in advance with the names of mentors accompanying students.

With Regards.

यशवंत मिस्त्री

वरि.प्रबंधक (प्रशिक्षण)

इफको कलोल

ई.मेल yvmistry@iffco.in

मो. 9426427422 ओ. 07923282572

From: Dixit Patel <dixitkumar.patel@swarnim.edu.in>  
Sent: Monday, September 11, 2023 9:53 AM  
To: Y V MISTRY <yvmistry@iffco.in>  
Subject: Regarding Industrial Visit Permission

" [This e-Mail is from outside IFFCO]"

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Thanking you,

Regards



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Mon, Sep 11, 2023 at 3:11 PM

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To: HOD Civil <hod.civil@swarnim.edu.in>

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To: Y V MISTRY <yvmistry@iffco.in>

Respected sir,

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Wed, Sep 27, 2023 at 4:30 PM

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2. Prof. Nayan Patel (99983 82298)
3. Prof. Jugal Bhatt (9558392720)
4. Prof. Savan Tank (9016931688)
5. Prof. Tarun Makwana (8511763745)

On Mon, 11 Sep 2023, 2:28 pm Y V MISTRY, <yvmistry@iffco.in> wrote:  
[Quoted text hidden]

# SWARRNIM INSTITUTE OF TECHNOLOGY

## IFFCO, KALOL INDUSTRIAL VISIT

Sr. No.	Student Name	Branch	Sign
01	Dhupendra K. Mahato	B.Tech Civil III	
02	Mesqar Miliam . J	B.Tech/chemical	
03	Harsh modi	B.Tech Env	
04	Chandla narayan Sah	B.Tech Civil III	
05	Shiddhant Barmet	B.Tech civil II	
06	Raj karan Baring	Diploma III	
07	Gatendra Raj Chaudhary	B.Tech civil I	
08	Aashis Doo	B.Tech civil I	
09	Trishu Nilesu	B.Tech civil	
10	MINET NAKUM	B.Tech Civil	
11	Vishnu Member	B.Tech Envir	
12	Parmul Dipin. L	B.Tech civil	
13	Keyul gediyu	B.Tech civil	
14	Thakur Shubh . A	Automobile	
15	Shivam Singh	"	
16	Pathan Arshad Khan	"	
17	Patel vassu	Mech	
18	Patel Dhruv	Diploma Electrical	
19	Yuvraj Singh Ruppot	Electrical	
20	Pal Lalit Jagdish	B.Tech chemical	



# SWARNIM INSTITUTE OF TECHNOLOGY

## IFFCO, KALOL INDUSTRIAL VISIT

Sr. No.	Student Name	Branch	Sign
21	Kundan Kumar Barnwal	B.Tech (EE) 3 <sup>rd</sup> Sem	Kundan
22	Adarash Jha	Diploma	Adarash
23	Dhruv Patel	B.Tech 3 <sup>rd</sup>	Dhruv
24	Mistry Sahil	D.E.M.E. 5 <sup>th</sup>	S. Mistry
25	PANKIT PALIWAL	D.E. Auto 5 <sup>th</sup>	PANKIT
26	meel BAROT	D.E. Auto 5 <sup>th</sup>	meel
27	Manish Singh	B.Tech Env.	Manish
28	Bhati	B.Tech Env.	Bhati
29	Jeda Jagdeep	B.Tech. Mech.	Jeda
30	Huresith Chudhary	B.Tech Mech	Huresith
31	Divy Chakur	B.Tech Mech	Divy
32	Ayash Barnwal	D. Comp	Ayash
33	prajapati Bhavik K.	B.Tech che. 5 <sup>th</sup>	BK P.
34	Vivek Radadiya	B.Tech	Vivek P.
35	Bhavitik Patel	Diploma Civil	Bhavitik
36	Sapal Patel	Diploma Civil	Sapal

## IFFCO, KALOL INDUSTRIAL VISIT







**SWARNIM**  
INSTITUTE OF TECHNOLOGY

**“Report on Sardar Sarovar Dam,  
Kevadiya Colony”**

**Name of School : SWARNIM INSTITUTE OF  
TECHNOLOGY**

**Department : Civil, Mechanical and Electrical Engineering  
Department**

**Date of Activity : 25/08/2023**

### Activity Report

Institute	Swarnnim Institute of Technology		
Department	Civil, Mechanical and Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	25/08/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	45
Name with Designation	Nikhil Shastri (AE) Dam Kayasth Pranav (AE) Mech		
Name of Organization	Sardar Sarovar Narmada Nigam Ltd.		
Expert contact details	+91- 72290 83304 +91- 96624 46458		
Faculty Coordinator	Mr. Dixit Patel, Dr. Savan Tank, Mr. Nayan Patel, Mr. Jugal Bhatt		
Faculty contact details	+91-7984751295, +91- 9714796518, +91- 9998382298		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Industrial Visit. Sarovar Dam, Kevadiya Colony

#### About the Field:

Sardar Sarovar Dam is a large gravity dam on the Narmada River near Kevadiya Colony in the state of Gujarat, India. It is one of the largest dams in the world and one of the most significant river valley projects in India. The Sarovar Dam is in the Narmada district of Gujarat, India, near the town of Kevadiya Colony. The primary purpose of the Sarovar Dam is to provide water for irrigation, drinking water supply, and hydroelectric power generation. It is a multi-purpose project aimed at fulfilling the water and power needs of the region. The construction of the Sarovar Dam began in 1979, and it took several decades to complete. The dam has a power station with several turbines that generate electricity. It contributes



significantly to the power grid of Gujarat and neighboring states. Kevadiya Colony, the town near the Sarovar Dam, has

emerged as a tourism hub due to the construction of the Statue of Unity nearby, which is the world's tallest statue dedicated to Sardar Vallabhbhai Patel, a prominent Indian statesman. Tourists visiting the Statue of Unity often visit the Sarovar Dam as well.

### **Details about the activity:**

An Industrial Visit for the students of the 3<sup>rd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> semesters of the Department of Civil, Mechanical and Electrical Engineering was arranged on 25 August 2023. This visit provided a unique opportunity to gain knowledge of the construction of the dam, Dam Mechanics, Catchment area, River bed power house, Power transmission, Canal design and construction in the field of Civil, Electrical and Mechanical Engineering. It was an educational and enriching experience for all students.

During the visit, students have the chance to see:

- River Bed Power House
- Dam Top view & A-Frame
- Sardar Sarovar
- Main Canal Head System
- Statue of Unity

### **Outcome (Benefits to students, faculties, school, and university)**

Students ask questions to the AE-AAE(Site Engineer of Sardar Sarovar) and engage in discussions to deepen their understanding of the industry.

From one day of the industrial visit, students benefited from the following things:

- They gain Practical knowledge in the Civil, Electrical and Mechanical world.
- Students observed firsthand the construction and design of a large-scale gravity dam, gaining insights into the engineering principles and techniques involved in such projects.
- They also learned the safety measures they are maintaining in Dam Operations.
- The dam's power station provides an opportunity for students to learn about hydroelectric power generation, including turbine operation, electrical systems, and power distribution.
- They learn how to execute innovative ideas and achieve the organization's main objectives.



1. A visit to the Sardar Sarovar Dam integrates knowledge from various engineering disciplines, fostering interdisciplinary learning and collaboration among students from different technical backgrounds.

### Photos:









Jointly owned Govt. of Gujarat undertaking)  
3<sup>rd</sup> Floor, Block No. 12,  
New Sachivalaya Complex,  
Gandhinagar - 382 010.  
Gujarat - INDIA

Deputy General Manager (Canals)

To,  
The Principal,  
Swarnim Institute of Technology,  
At Post Bhoyan Rathod,  
Nr. ONGC WSS, Opp. IFFCO,  
Adalaj-Katol Highway, Gandhinagar.

Sub: - Permission to Visit Sardar Sarovar Dam at Ekta Nagar.

Ref: - Your office letter No.SSNNL/visi/Civil/2023/103, date:-11.08.2023.

This has reference to your letter referred at above wherein; permission to visit visiting the Sardar Sarovar Dam for 35 students and 03 faculties of your institute on 25.08.2023 has been requested.

In the above context, I am directed to convey the permission of Nigam to the aforesaid visit of 35 students and 03 faculties to visit Sardar Sarovar Dam, River Bed Power House (RBPH) & HR of Narmada Main Canal on 25.08.2023 subject to the following conditions:

1. All transportation and required arrangement shall be made by the Institutes at its own.
2. The permission may be extent only technical support.
3. If there dam is overflowing on 25/08/2023, students shall not be allowed on A- frame of Sardar Sarovar Dam; It can be visit from Dam view point.

Thanking You

For Technical Support Contact:

- |                             |             |
|-----------------------------|-------------|
| 1. Nikhil Shastri (AE) Dam  | 72290 83304 |
| 2. Kayasth Pranav (AE) Mech | 96624 46458 |

- Copy with enclosure submitted to CE (D&V), Ekta Nagar, for information and necessary action please. (Encl: copy of letter under reference)
- Copy with enclosure submitted to the Superintending Engineer, NPHW Circle, Ekta Nagar for information with a request to depute a technical staff to accompany and provide necessary information to the visitors during their visit. (Encl: copy of letter under reference).

Signature Not Verified

Approved by: SHUBHAM S. GOYAL  
Deputy General Manager

File No: SSNNL/VST/e-file/199/2023/0036/DGM (Canal)

Approved By: SHUBHAM S. GOYAL(Deputy General Manager,DGM)

Open the document in Adobe Acrobat DC to verify the signature







**GOVERNMENT OF INDIA  
NATIONAL HIGHWAY AUTHORITY OF INDIA  
NATIONAL HIGHWAY DEVELOPMENT CORPORATION  
(A Wholly owned Public Undertaking)**

(A Wholly owned Public Undertaking)

**FREE PASS**

**Without Vehicle**

*[Signature]*

Book No. **143**

Page No. **143**

Visiting leader Details

No. of accompanied persons **(4)**

Purpose: CBVT work / Guard / Rehabilitation work

From **10/03/2023** To **10/03/2023**

DURATION OF PERMISSION:

Visiting sites: CEN, Bites / NBPH/CHPH / A-Frame / Dam Body / Boat Poll / Left Bank

Vehicle Type:

Registration No.

No. of Vehicles **(1)**

Jeep / Car / Bus / Mini Bus

Truck / Tractor / Tempo

Two Wheeler / Three Wheeler

Visitor's Sign

(Name **S. V. H. S. M. S.**)

*[Signature]*

*[Signature]*

**S. S. H. M. S. Nagar**  
**H.P.H.W.C. Nagar**



# SWARNIM START-UP AND INNOVATION UNIVERSITY

Sr.No	Enrollment Number	Student Name	Mobile No.
1	2024001001	PATEL KUNALKUMAR KUNALKUMAR	9814911001
2	2024001002	ELIYAN KUNALKUMAR KUNALKUMAR	9814911002
3	2024001003	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911003
4	2024001004	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911004
5	2125001001	SANJIV GHANSHYAM JAGDISHKUMAR	9814911005
6	2125001002	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911006
7	2125001003	KUNAL KUNALKUMAR KUNALKUMAR	9814911007
8	2124001001	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911008
9	2124001002	KUNAL KUNAL	9814911009
10	2224001001	VIVEK KUNALKUMAR KUNALKUMAR	9814911010
11	2224001002	PANJAL KUNALKUMAR KUNALKUMAR	9814911011
12	2224001003	SINERHANT KUNALKUMAR	9814911012
13	2224001004	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911013
14	2224001005	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911014
15	2224001006	KUNAL KUNALKUMAR KUNALKUMAR	9814911015
16	2122001001	KUNALKUMAR KUNALKUMAR KUNALKUMAR	9814911016
17	2122001002	KUNAL KUNALKUMAR KUNALKUMAR	9814911017
18	2122001003	KUNAL KUNALKUMAR KUNALKUMAR	9814911018
19	2122001004	PATEL KUNAL KUNALKUMAR	9814911019
20	2222001001	KUNAL KUNAL KUNALKUMAR	9814911020
21	2222001002	KUNAL KUNAL KUNALKUMAR	9814911021
22	2222001003	KUNAL KUNAL KUNALKUMAR	9814911022
23	2222001004	KUNAL KUNAL KUNALKUMAR	9814911023
24	2222001005	KUNAL KUNAL KUNALKUMAR	9814911024
25	2222001006	KUNAL KUNAL KUNALKUMAR	9814911025
26	2222001007	KUNAL KUNAL KUNALKUMAR	9814911026
27	2222001008	KUNAL KUNAL KUNALKUMAR	9814911027
28	2222001009	KUNAL KUNAL KUNALKUMAR	9814911028
29	2222001010	KUNAL KUNAL KUNALKUMAR	9814911029
30	2222001011	KUNAL KUNAL KUNALKUMAR	9814911030
31	2222001012	KUNAL KUNAL KUNALKUMAR	9814911031
32	2222001013	KUNAL KUNAL KUNALKUMAR	9814911032
33	2222001014	KUNAL KUNAL KUNALKUMAR	9814911033
34	2222001015	KUNAL KUNAL KUNALKUMAR	9814911034
35	2222001016	KUNAL KUNAL KUNALKUMAR	9814911035
36	2222001017	KUNAL KUNAL KUNALKUMAR	9814911036
37	2222001018	KUNAL KUNAL KUNALKUMAR	9814911037
38	2222001019	KUNAL KUNAL KUNALKUMAR	9814911038
39	2222001020	KUNAL KUNAL KUNALKUMAR	9814911039
40	2222001021	KUNAL KUNAL KUNALKUMAR	9814911040
41	2222001022	KUNAL KUNAL KUNALKUMAR	9814911041
42	2222001023	KUNAL KUNAL KUNALKUMAR	9814911042

Sr.No	Faculty Name	Mobile No.
1	TARUN MAKAWANA	8511753745
2	DIXIT PATEL	9714795518
3	NAYAN PATEL	9998382298
4	JUGAL BHATT	9558392720



Sr.No	Enrollment Number	Student Name	Student Mobile No.	Sign
1	2024003001	PATEL KRUNALKUMAR BHANATBHAI	9824995463	K. Patel
2	2024003004	TUVAR NILESHBHAI	9998128565	Nilesh
3	2024003008	DINESHKUMAR GAJANANSHIVJI	9724252086	D. G. Gajanan
4	2024003011	GHEDEYA KEYUR JAYSUMBIJI	7600200635	K. G. Gajanan
5	2125003001	SADHU GHANSHYAM VAIKUNTHIRAM	70461655001	B. S. Patel
6	2125003002	BIPINKUMAR LAXMANBHAI PARHAR	8140948694	K. S. Patel
7	2125003004	NIKET ASHISHBHAI NAKUM	6333600246	K. S. Patel
8	2124003001	GAJENDRA RAJ CHAUDHARY	9631909539	K. S. Patel
9	2124003002	ASHISH DEO	9924330703	K. S. Patel
10	22252003001	VIVEK VINUBHAI KADAGIYA	8200153458	Vivek
11	2224003001	PANKAJ KUMAR ADAV	9662129455	P. K. Patel
12	2224003002	SHIDDHANT DASH	9779804728181	S. K. Patel
13	2224003004	CHANDRA NARAYAN	7782829207	C. K. Patel
14	2224003006	BHUPENDRA KUMAR KAVIA	9779817707736	B. K. Patel
15	2224003007	NITESH KUMAR	9060411540	N. K. Patel
16	2122002001	CHAUHAN PARTH RASHMIRAM	7487850666	P. K. Patel
17	2122002002	SHAH JAIMIL MANISIKUPAK	7778084938	S. K. Patel
18	2122002003	RATHORE MANTHANSINGH MAJIS SINGH	9157715585	M. K. Patel
19	2122002006	PATEL SAFAL JIGARIBHAI	9727913850	S. K. Patel
20	2222002001	ANAND KRISH RAMESHBHAI	9510344868	A. K. Patel
21	2222002003	RAUKARAN RAJTHA	9779816231945	R. K. Patel
22	2222002004	OM SHANKAR GUPTA	9779814725683	O. K. Patel
23	2124005002	RIKESH NATHATO	8160369538	R. K. Patel
24	2221005001	ADARSHKUMAR RAGI VANDRAJHA	9035597710	A. K. Patel
25	2122004002	ADARSHKUMAR RAGI VANDRAJHA	9054506285	A. K. Patel
26	2122004005	PATEL DHURV CHANDRISINH	7575854028	D. K. Patel
27	2122004008	YUVRAJ SINGH BRAHMEDEV SINGH	9510243748	Y. K. Patel
28	2122001003	BAROT MEET	9106774287	B. K. Patel
29	2122005003	SAHIL MISHRA	9978609434	S. K. Patel
30	2122005009	VASU PATEL	7600718464	V. K. Patel
31	2225009002	URMESH PATEL	8160354552	U. K. Patel
32	2124009002	SUTHAR UTJAV	9173071410	S. K. Patel
33	2225009011	TAMAM AMMAR	9537867535	T. K. Patel
34	2124001001	ANSH GAIAR	7016910729	A. K. Patel
35	2125009005	JAY KEDA	7203077475	J. K. Patel
36	2024009004	PATEL PRITHVIRAJ	9113583180	P. K. Patel
37	2024009008	PUROHIT SANKAR	8160998063	P. K. Patel
38	2024009003	PARMAR ROY	9016118240	P. K. Patel
39	2024009006	PATEL SARV	9154017018	P. K. Patel
40	2122005010	DAVE MEET	9327439848	D. K. Patel
41	2024009001	ANKIT NINZARA	9510411946	A. K. Patel
42	2222001001	ARIHAM JAIN	7583403357	A. K. Patel

Sr.No	Faculty Name	Mobile No.
1	TARUN K. K. WANA	8511763745
2	DIXIT PATEL	974796518
3	NAYAN PATEL	9928322298
4	JUGAL DHATT	9558392720



# Department of Computer/ IT Engineering 2023-24

Computer / IT  
2023 -





**SWARNNIM**  
INSTITUTE OF TECHNOLOGY

## **“Report on Industrial Visit at Sunflowee Biztech, Ahmedabad”**

**Name of School : SWARNNIM INSTITUTE OF TECHNOLOGY**  
**Department : Computer Engineering Department**  
**Date of Activity : 16th March, 2023**

SWARNNIM INSTITUTE OF  
TECHNOLOGY



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Computer Engineering Department		
Activity Type	Industrial Visit		
Date	16th March, 2023	Duration	1 Day
Semester	4 <sup>th</sup> , 6 <sup>th</sup> , 8 <sup>th</sup>	No. of Students	
Name with Designation			
Name of Organization	Sunflower Biztech		
Expert contact details	9099367675		
Faculty Coordinator	Abhishek Reddy		
Faculty contact details			
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

Industrial Visit. Sunflower Biztech, Ahmedabad

#### Brief outline addressed in the event:

On March 16, 2023, students from the 4th, 6th, and 8th Computer Engineering classes of Swarnim Institute of Technology, accompanied by Professor Rakesh Bhavsar, embarked on an enriching industrial visit to "Sunflower Biztech." The group arrived at the destination promptly at 10:30 A.M. and was warmly received by the site in-charge.

The students were given a comprehensive overview of the inner workings of Sunflower Biztech Private Limited, a dynamic Software Company with a primary focus on supporting startups, enterprises, and large-scale businesses in their journey of advancement and building IT services.

The site in-charge provided valuable insights into how the company distributes tasks among its employees. Sunflower Biztech, a leading web design and development, mobile application development, and digital marketing firm, places a strong emphasis on enhancing user experiences.

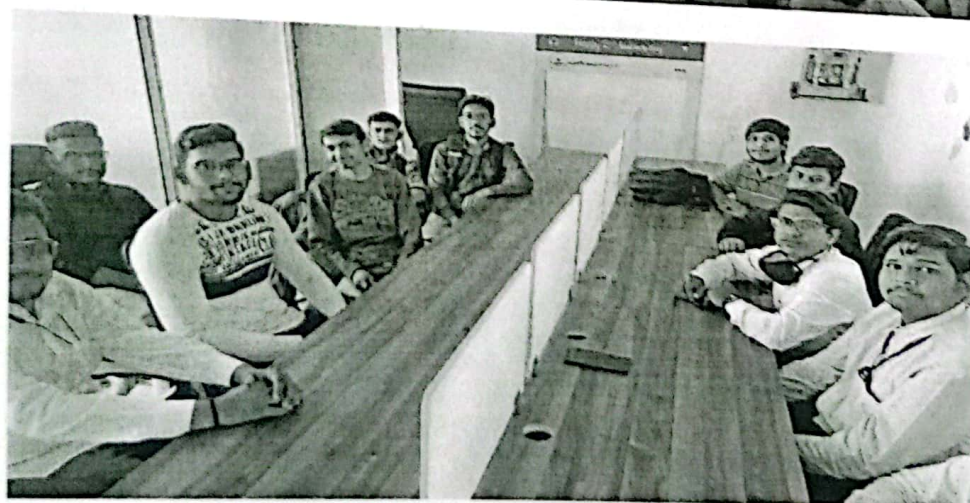
With a dedicated team of 45 expert developers, the company has successfully transformed users into followers and customers into brand ambassadors for over 100 clients worldwide. Headquartered in India and Australia, Sunflower Biztech collaborates closely with startups and businesses, offering customized solutions across various key verticals and horizontals in the IT industry.



## Conclusions of the event:

The experience of this tour was really fantastic and unforgettable. The industrial visit proved to be an enlightening experience, allowing the students to witness firsthand the innovative processes and practices employed by a prominent player in the software development industry.

## Photographs:



SWARNIM INSTITUTE OF  
TECHNOLOGY



## INDUSTRIAL VISIT ATTENDANCE SHEET

DEPARTMENT: COMPUTER ENGINEERING

INDUSTRY: Sunflower Biztech Pvt. Ltd

LOCATION: Ahmedabad.

DATE: 16 March 2023

FACULTY COORDINATORS: Rakesh Bhavsar

NO OF STUDENTS \_\_\_\_\_

Sr.No	En.No	Name	Sign
1	2224004001	RABARI KOMALBEN BHURABHAI	<i>[Signature]</i>
2	2224004002	PATEL SACHI JAYVARDHAN	<i>[Signature]</i>
3	2224004003	DAIYA BIREN DALSUKHBHAI	<i>[Signature]</i>
4	2224004004	JADAV YUVRAJSINH JAYDIPSINH	<i>[Signature]</i>
5	2224004005	BHAGWANI TANU RAJUBHAI	<i>[Signature]</i>
6	2224004006	PAWAN KUMAR BARNAWAL	<i>[Signature]</i>
7	2224004007	CHINGKHEI NINGTHOUJAM	<i>[Signature]</i>
8	2224004008	SAVALIYA UTTAM PARBATBHAI	<i>[Signature]</i>
9	2224004009	KALASH DHARMENDAR CHOUDHARY	<i>[Signature]</i>
10	2224004010	KHUSHI BALDEV LALCHANDANI	<i>[Signature]</i>
11	2224004011	RAM BHAVYATA HAJABHAI	<i>[Signature]</i>
12	2224004012	RAJNANDANI GUPTA	<i>[Signature]</i>
13	2224004013	DHARMENDRA DHITAL	<i>[Signature]</i>
14	2224004014	RESHU CHAUDHARY	<i>[Signature]</i>
15	2224004015	ALOK KUMAR PATHAK	<i>[Signature]</i>
16	2224004017	SHINGALA KRISH KETANBHAI	<i>[Signature]</i>
17	2224004018	THAKKAR PRINCE VISHALBHAI	<i>[Signature]</i>
18	2224004019	VANIYA SMIT MANOJKUMAR	<i>[Signature]</i>
19	2224004020	AKHANI VANSH VIPUL	<i>[Signature]</i>
20	2124004001	PATEL DHAIRYA NITULKUMAR	<i>[Signature]</i>
21	2124004002	DASADIYA SHUBHAM RAMESHBHAI	<i>[Signature]</i>
22	2124004003	KHUNT OM SHAILESHBHAI	<i>[Signature]</i>
23	2124004004	PATEL AYUSH DHARMESHKUMAR	<i>[Signature]</i>
24	2124004005	AYUSH DEO	<i>[Signature]</i>
25	2124004006	ASHISH KATUWAL	<i>[Signature]</i>
26	2124004007	PRAJAPATI DINESHKUMAR RAJARAM	<i>[Signature]</i>
27	2124004008	GOSWAMI AYUSH DIWAN	<i>[Signature]</i>
28	2124004009	GAJJAR ADITYA RAKESHBHAI	<i>[Signature]</i>
29	2124004010	PALA AYUSH RAMESHKUMAR	<i>[Signature]</i>
30	2124004011	DALSANIYA MIHIR RAMESHBHAI	<i>[Signature]</i>
31	2124004012	SAGAR SUHANI SURESHBHAI	<i>[Signature]</i>
32	2124004013	KHARADE VISHAL BALASAHAB	<i>[Signature]</i>
33	2124004014	PANCHAL PRATIK SEVANTIBHAI	<i>[Signature]</i>



34	2124004015	BHANGALE BHARAT MANOHARBHAI	
35	2124004016	NAYAK SANIYA MANISHKUMAR	
36	2124004017	KHANDELWAL KHUSHAL ASHOK	Nayak
37	2124004018	SUMIT CHAUDHARY	Ashok
38	2124004019	OM HIRACHAND SOLANKI	Chaudhary
39	2124004020	MUKUL SURESHKUMAR	Om
40	2124004021	GAJJAR ARYAN MITESHKUMAR	
41	2124004022	GAURAV PANDEY	Aryan
42	2124004023	PANCHAL HEMRAJ DHARMENDRAKUMAR	Pandey
43	2124004024	BHARATKUMAR SHRI MAGNARAM	
44	2124004025	SUMAN KUMAR MANDAL	Bharat
45	2124004026	ANKUR VISHWAKARMA	Suman
46	2124004027	RUTURAJ SINH PRATAP SINH PARMAR	
47	2124004028	PANJWANI VANSHIKA SHANKARLAL	Ruturaj
48	2124004029	K SHRAVYA	Vanshika
49	2124004030	TIRGAR DHRUVKUMAR VASANTBHAI	
50	2124004031	ASARI NARENDRAKUMAR	Tirgar
51	2124004032	MADHAV NANDAN SINGH	
52	2124004033	PARMAR JIGAR JIVANBHAI	Madhav
53	2124004034	SHARMA NISHIT KISHAN	Jigar
54	2124004035	SHARMA KESHVA KISHAN	Nishit
55	2124004036	RAHUL KAPAR	Keshva
56	2124004037	PATEL PARTH VISHWAJIT	Rahul
57	2124004038	JOSHI PRATIK NARENDRA	Part
58	2124004039	PATEL DEEPAKUMAR RAJESHBHAI	Deep
59	2124004040	KHAN MOHAMMED SUNAIN SADIK KHAN	
60	2124004041	MALAVIYA ABHISHEK	Khan
61	2225004001	MANSURI ARIZ MAHEMUD BHAI	Abhishek
62	2225004002	PIPROTAR DEEP RAMESHBHAI	Ariz
63	2225004003	SAPNA VIPULBHAI PATEL	Deep
64	2225004004	PALLAVI CHAVDA	Sapna
65	2225004005	ADITY GOPALBHAI PANCHAL	Pallavi
66	1824004035	SALUNKE SAGAR MITESHBHAI	Adity
67	2024004001	PARTH BHAGYESH DAVE	Sagar
68	2024004002	PATEL VIDHIBEN SHAILESHKUMAR	
69	2024004003	SOLANKI HARDIK SURENDRA	Parth
70	2024004004	BHINGRADIYA YASKUMAR JITESHBHAI	
71	2024004005	SUTHAR AMI KAUSHIKBHAI	Yash
72	2024004006	PATEL SHREYAS BHARGAV	
73	2024004007	DAKSH JASHVANTKUMAR PATEL	Shreyas
74	2024004010	SHAH PREETI SATYANARAYAN	Daksh
75	2024004011	MILIND ASHISH JOSHI	Preeti
76	2024004012	DHAKESHA DHRUVILKUMAR DILIPBHAI	Milind
77	2024004013	LUHAR KHUSHI KANTILAL	Dhakesha
78	2024004014	PANDEY SUYASH AJITKUMAR	
79	2024004015	MISTRY DHRUVIL DIPAKKUMAR	Suyash
80	2024004016	PRITESH MUKESHBHAI BHUT	
81	2024004017	TRIVEDI ROHANKUMAR PALKESHKUMAR	Pritesh
82	2024004018	PATEL DHRUV ASHVINBHAI	Rohankumar



83	2024004020	PATEL KETUKUMAR DINESHBHAI	Abhi
84	2024004021	RAVAT ABHISHEK JAYPRAKASHBHAI	
85	2024004022	JAY SATYANARAYAN PANCHAL	
86	2024004023	DAMOR HIMANSHUKUMAR AMRUTBHAI	Jay
87	2024004024	CHAUDHARY JAY RAMESHBHAI	
88	2024004025	SHARMA RUCHI GAUTAM	
89	2024004026	DRAVYA ATULKUMAR CHORADIYA	Agarwal
90	2024004027	PANCHAL ANJALI RAKESHKUMAR	Monil
91	2024004028	SHARMA MONIL VINOD	
92	2024004029	PATEL RIYABEN DINESHBHAI	Riyaben
93	2024004030	RISHABH SHIVAKANT TIWARI	Patel Kishik
94	2024004031	KRUTARTH PATEL	
95	2024004032	PATIL KAUSHIK DEEPAK	
96	2024004033	CHAUDHARI AVADHKUMAR JAYESHKUMAR	Kashin
97	2024004034	TRIVEDI KISHAN SUNILBHAI	
98	2024004035	PATEL HARSHAL MAULIK	
99	2024004036	PATEL MAULIKKUMAR ASHOKBHAI	Adarsh
100	2024004037	NAIR ADITYA BYJU	
101	2024004038	VASHRAM RABARI	Rushik
102	2024004039	PATEL RUSHI RAJNIKANT	Divya P.
103	2024004040	PATEL DIVY ARVINDBHAI	
104	2024004041	PANCHAL HELLY ANKUR	
105	2024004042	SHYAM SHAILESHBHAI BALIYA	
106	2024004043	PATEL NISHMA VISHNUPRASAD	Arin K.
107	2024004044	PANCHAL RITIK SUNILKUMAR	
108	2024004046	PAWAR BHAVIN KIRANKUMAR	
109	2125004001	PATEL MESHWA VIPULKUMAR	
110	2125004002	TRADA DHRUMIL GIRISHBHAI	Dhrumil
111	2125004003	RAJPUT ADITYASINH BHUPENDRASINH	
112	2125004004	GAUTAM UPANSHU MUKESHKUMAR	
113	2125004005	SHARMA PRATHAM HARISH	Pratham
114	2125004006	MISTRY DIYA SNEHAL	
115	2125004007	PATEL AAYUSH HIRENKUMAR	
116	2125004008	PATEL DEV PANKAJBHAI	Dev Pankaj
117	2125004009	PATEL DARSHAN DHARMESHBHAI	Vivek
118	2125004012	FULBARIYA VIVEK KIRITKUMAR	
119	2125004013	RAJPUT TARUNSINH SHAILENDRASINH	
120	2125004014	VERMA TUSHAR RAJESH	
121	2125004016	BAROT JEET SANDIPBHAI	Jeet
122	2125004017	GOHIL CHIRAG PRATAPBHAI	

Faculty Coordinator Name & Sign: Rakesh Blunsar

Faculty Coordinator Name & Sign: \_\_\_\_\_



# INDUSTRIAL VISIT ATTENDANCE SHEET

DEPARTMENT: IT ENGINEERING

INDUSTRY: Surfance Biztech Pvt Ltd.

LOCATION: Ahmedabad.

DATE: 16/03/23

FACULTY COORDINATORS: Rekesh Bhavsar

NO OF STUDENTS \_\_\_\_\_

Sr.No	En.No	Name	Sign
1	2224008001	BHEDI BHARATKUMAR KALUBHAI	Bhedi
2	2224008002	PATEL MAITRY BHUPATBHAI	Patel
3	2224008003	ASODIYA PRANAY BHAVINKUMAR	AP Bhavik
4	2224008004	VYAS GAUTAM KARAMSHIBHAI	
5	2224008005	KANZARIYA MANTHAN DEVRAJBHAI	
6	2224008006	YADAV ABHISHEK SATENDRASINGH	Abhishek
7	2224008007	SHAH HANI KAMLESHKUMAR	Shah
8	2224008008	BHATT YAGNESH BHARATBHAI	Yagnesh
9	2224008009	CHAVDA HINAL UPENDRASINH	
10	2224008010	ZALAWADIA CHINTAN BHARATBHAI	Chavda
11	2224008014	PIPALIYA SAVAN NILESHBHAI	Pipaliya
12	2024008028	DIVYANSH JAYESH BHAI VADHER	
13	2124008001	BHIMANI PARTH SURESHBHAI	
14	2124008002	KATARMAL HARSH ASHOKBHAI	Divya
15	2124008003	SUTHAR DIVYABEN DINESHKUMAR	Divya
16	2124008004	SUTHAR DRASHTIBEN DINESHKUMAR	Divya
17	2124008005	PRAJAPATI AMAN MANISHBHAI	Divya
18	2124008006	SINGH UMANG BAIDYANATH	
19	2124008007	DHADUK RITANSH ASHOKKUMAR	
20	2124008008	GADHIYA JAYDEEP RAJESHBHAI	Jay
21	2124008009	RAVAT SMITKUMAR ARJUNSINH	Ravat
22	2124008010	PANDEY ADITYA PAPPUBHAI	
23	2124008011	BIHOLA URVASHI DILIPSINH	
24	2124008012	VAGHELA ARYAN KIRTIKUMAR	
25	2124008013	PRAJAPATI JAYKUMAR JAYANTIBHAI	
26	2124008014	CHANCHAL CHOUDHARY	KRISHNA
27	2124008015	PATEL KRISHNA FALGUNBHAI	
28	2124008016	VISHAVAKARMA VIKASH RAJESHKUMAR	
29	2124008017	YASHRAJSINGH BHATI	DARSH
30	2225008001	ROY DARSHIL DHIRAJKUMAR	
31	2225008002	SENJALIYA TAKSHIL ASHVINBHAI	
32	2225008003	THAKKER JIMIT MANISHBHAI	Patel
33	2225008004	PATEL NAY RAJESHKUMAR	



34	2225008005	MAYANKKUMAR M SUREJA	Sureja
35	2225008006	LIMBACHIYA MALAY RASHMIKANT	Dapsh B.
36	2225008007	DARSHANKUMAR B SUREJA	Aksh
37	2225008008	KRUNAL KETANKUMAR PATEL	Aksh
38	2225008009	PATHAK AYUSH	
39	2225008010	REHA ASVINBHAI PATEL	
40	2225008011	VIVEK BHOGILAL BHATT	
41	1824008019	HARSHVARDHAN LALITSINGH SHAKTAWAT	Lal Singh
42	2024008001	PATEL AFZAL ALTAF	Devi
43	2024008002	DARJI DHRUMIL PANKAJBHAI	Kewal
44	2024008003	KOMAL HASMUKHBHAI DUMANIYA	
45	2024008004	ADITI KIRTIKUMAR PATEL	Purush K.
46	2024008005	PRIYANK PIYUSHKUMAR KUVADIYA	Piyush
47	2024008006	PATEL PINESH RAMESHBHAI	Jash
48	2024008007	PRAJAPATI JAINESH ANILBHAI	
49	2024008008	DHIRAL CHAUDHARY	
50	2024008010	JAISWAL VINITKUMAR MUKESHKUMAR	Aksh Patel
51	2024008011	AUM SUDHIRBHAI PATEL	Zeel
52	2024008012	ZEEL ALPESHBHAI PATEL	
53	2024008013	PAI SUDARSHAN	
54	2024008014	ZALA JAYDEEPSINH PRAVINSINH	Jaydeep
55	2024008015	PRAJAPATI RAHUL RAMPRAVESH	Sagar
56	2024008016	PATEL SAGAR KIRITBHAI	S.M.H
57	2024008017	DEBASHISH ASHOK SAMAL	
58	2024008019	HITARTH MUKESH SHARMA	Bhajan
59	2024008020	MISTRY CHAITANYA BHARATBHAI	Rahul
60	2024008021	CHAUDHARI BRIJESHKUMAR MAHESHBHAI	
61	2024008022	CHAUDHARI RITU BHARATBHAI	Seetha
62	2024008024	GELANI SANAY PARESHBHAI	
63	2024008025	KATHIRIYA SWATI KAMLESHBHAI	Savit S.
64	2024008026	GOSWAMI DARSHANGIRI VINODGIRI	
65	2024008027	PATEL SAVAN SANJAYBHAI	JAY
66	2024008029	PATEL YUKTIBEN VINODBHAI	Akash
67	2024008030	PATEL JAY SUNILBHAI	
68	2024008031	GHANSHYAM CHHAGANLAL MALI	Parth
69	2024008032	DUBEY AKASH RAKESH	Amit
70	2024008033	GOSWAMI PARTH RAMESHPURI	
71	2024008034	POONJANI PRATIK SATYAMBHAI	
72	2024008035	PATEL AMIT HARSHAD	
73	2024008036	SHRIVASTAVA RITIKKUMAR ARVINDKUMAR	
74	2024008037	CHAUDHARI KHUSHI RAJEEVSINGH	
75	2024008038	RAVAL SUJAL	Raval Sujal
76	2024008039	AMIT SAHEB YADAV	
77	2024008040	OM PARESHBHAI SUTHAR	Seetha
78	2024008041	PANCHAL VISHWA RITESHKUMAR	Vishwa
79	2024008042	PANCHAL DEVANSI MEHULBHAI	
80	2024008043	PRAJAPATI NIDHI BHARATBHAI	
81	2024008044	VAKANI AAYUSHI JIGNESHBHAI	Ayushi
82	2024008045	PANCHAL SHARAD SHAILESHBHAI	



83	2024008046	PRIYANSHU BHAVESH JOSHI	Bhuv
84	2024008047	SHIV BIRJUBHAI ACHARYA	S. B. Acharya
85	2024008048	JAY SANJAYBHAI UPADHYAY	Sen
86	2125008001	KANANI HARSH PRAFULBHAI	APAL
87	2125008002	PATEL ARYA KETANKUMAR	

Faculty Coordinator Name & Sign:

Rajesh Bhavsaw

*[Signature]*

Faculty Coordinator Name & Sign:



**SWARNIM**  
INSTITUTE OF TECHNOLOGY

## **“Report on Industrial Visit at TOPS Technologies, Ahmedabad”**

**Name of School : SWARRNIM INSTITUTE OF TECHNOLOGY**  
**Department : Computer Engineering Department**  
**Date of Activity : 12th September, 2023**





# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Computer Engineering Department		
Activity Type	Industrial Visit		
Date	12th September, 2023	Duration	1 Day
Semester	4 <sup>th</sup> , 6 <sup>th</sup> , 8 <sup>th</sup>	No. of Students	
Name with Designation			
Name of Organization	TOPS Technologies		
Expert contact details	Atul Jain 7874933344		
Faculty Coordinator			
Faculty contact details			
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

Industrial Visit. TOPS Technologies, Ahmedabad

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#### Brief outline addressed in the event:

On the 12th of September, 2023, an enlightening industrial visit was organized for the students of 4th, 6th, and 8th Computer Engineering from Swarnim Institute of Technology, Swarnim University. Accompanied by their esteemed faculty member, Prof. Krishn Limbachiya, the group embarked on a journey to explore the realms of technology at Tops Technologies. Arriving at their destination punctually at 10:30 A.M., the students and faculty were warmly greeted by the site in charge.

Notably, Tops Technologies had garnered recognition as the TOP 2008 Business in the US for the year 2008-2009. Originating with the vision of bridging the gap between requisite skills and the talent nurtured by educational institutions, Tops Technologies has evolved into one of the largest IT Training and Finishing Schools. Their expertise encompasses a wide array of domains such as ASP.Net, PHP, Java, iPhone, Android, Software Testing, SEO, and Web Design. With training centers spread across various cities, including Ahmedabad, Vadodara, Rajkot, Surat, and more,

Tops Technologies has positioned itself as a significant player in the industry. Their philosophy of being more than just an outsourcing company is evident in their commitment to becoming solutions partners. The mantra of "You think it, we build it" encapsulates their approach, resulting in successful implementations that have not only provided innovative solutions but also substantial cost savings for organizations.

With a dedicated team of 100+ developers boasting diverse expertise, *Tops Technologies stands at the forefront of creating cutting-edge web and mobile applications. The services offered, including Web Design and Development, Mobile Apps Development for Android and iPhone, and eCommerce Development, showcase the comprehensive and dynamic nature of their contributions to the IT landscape. The industrial visit to Tops Technologies provided the students with valuable insights into the practical applications of their academic pursuits and fostered an appreciation for the real-world impact of technology in today's competitive environment.*

### **Key messages, outcomes, recommendations:**

Major points discussed:

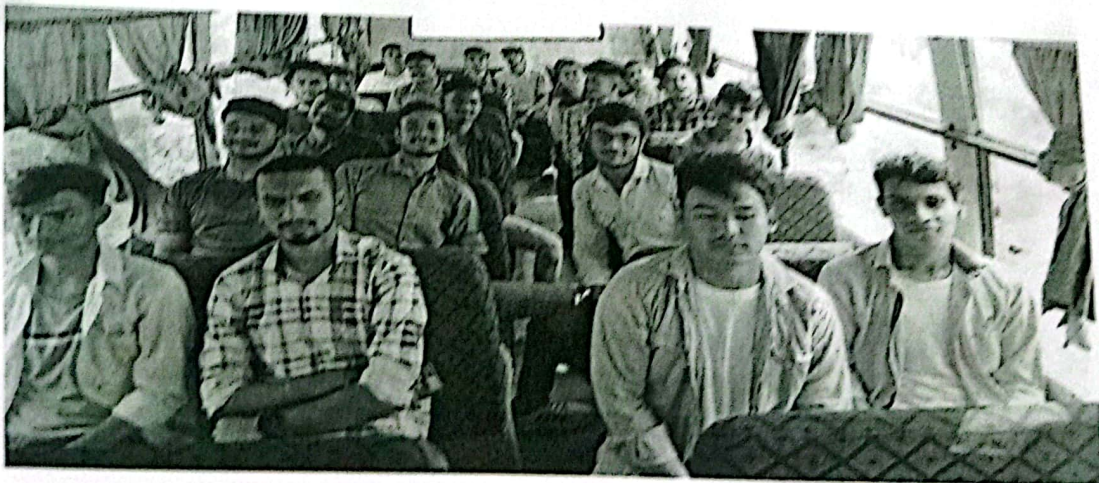
- To gain a practical knowledge of the actual working of the organization.
- To get the practical knowledge of the project development process.
- To adopt criteria about the management.
- To study co-ordination between different departments.
- How to control various circumstances.
- Android
- Asp.net technology
- Mobile Apps
- PHP

The basic objective of having industrial tour is for studying various aspects related with different industrial units. The different techniques and methods being used in industries are studied in order to gain wide outlook concerning industrial activities for that purpose.

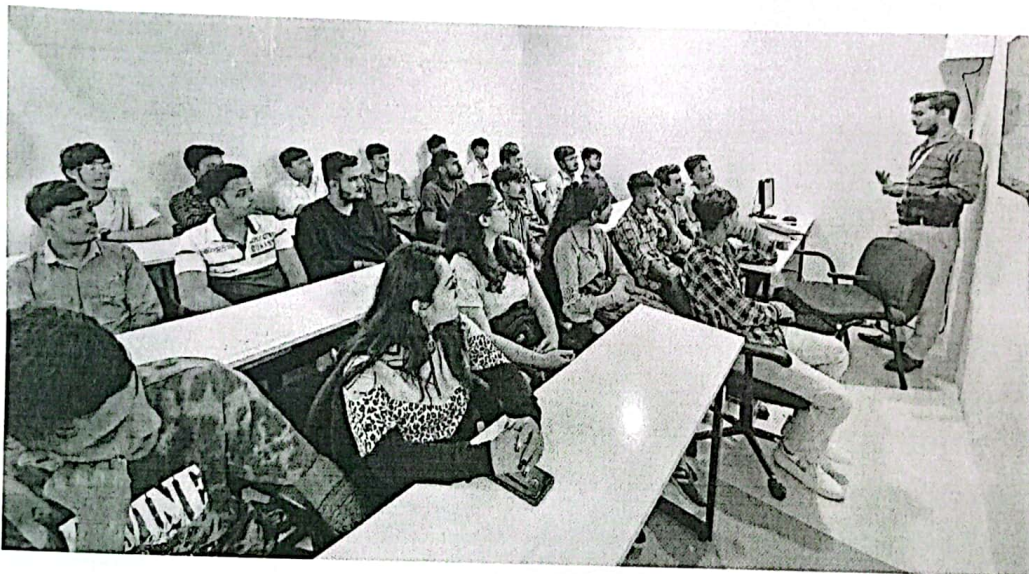
### **Conclusions of the event:**

The experience of this tour was really fantastic and unforgettable. It was reverberating experience which cherished all of us. Students got valuable information from this industrial tour and they guided us how to stand in the corporate world in the era of competition. We got to learn a lot many more things from this tour.

### **Photographs:**









# INDUSTRIAL VISIT ATTENDANCE SHEET

DEPARTMENT: COMPUTER ENGINEERING

INDUSTRY: Tops Technologies

LOCATION: Ahmedabad.

DATE: 12 September 2023

FACULTY COORDINATORS: Krish Limbadiya

NO OF STUDENTS 62

Sr.No	En.No	Name	Sign
1	2224004001	RABARI KOMALBEN BHURABHAI	
2	2224004002	PATEL SACHI JAYVARDHAN	
3	2224004003	DAIYA BIREN DALSUKHBHAI	
4	2224004004	JADAV YUVRAJSINH JAYDIPSINH	
5	2224004005	BHAGWANI TANU RAJUBHAI	
6	2224004006	PAWAN KUMAR BARNAWAL	
7	2224004007	CHINGKHEI NINGTHOUJAM	
8	2224004008	SAVALIYA UTTAM PARBATBHAI	
9	2224004009	KALASH DHARMENDAR CHOUDHARY	
10	2224004010	KHUSHI BALDEV LALCHANDANI	
11	2224004011	RAM BHAVYATA HAJABHAI	
12	2224004012	RAJNANDANI GUPTA	
13	2224004013	DHARMENDRA DHITAL	
14	2224004014	RESHU CHAUDHARY	
15	2224004015	ALOK KUMAR PATHAK	
16	2224004017	SHINGALA KRISH KETANBHAI	
17	2224004018	THAKKAR PRINCE VISHALBHAI	
18	2224004019	VANIYA SMIT MANOJKUMAR	
19	2224004020	AKHANI VANSI VIPUL	
20	2124004001	PATEL DHAIRYA NITULKUMAR	
21	2124004002	DASADIYA SHUBHAM RAMESHBHAI	
22	2124004003	KHUNT OM SHAILESHBHAI	
23	2124004004	PATEL AYUSH DHARMESHKUMAR	
24	2124004005	AYUSH DEO	
25	2124004006	ASHISH KATUWAL	
26	2124004007	PRAJAPATI DINESHKUMAR RAJARAM	
27	2124004008	GOSWAMI AYUSH DIWAN	
28	2124004009	GAJJAR ADITYA RAKESHBHAI	
29	2124004010	PALA AYUSH RAMESHKUMAR	
30	2124004011	DALSANIYA MIHIR RAMESHBHAI	
31	2124004012	SAGAR SUHANI SURESHBHAI	
32	2124004013	KHARADE VISHAL BALASAHAB	
33	2124004014	PANCHAL PRATIK SEVANTIBHAI	

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34	2124004015	BHANGALE BHARAT MANOHARBHAI	
35	2124004016	NAYAK SANIYA MANISHKUMAR	
36	2124004017	KHANDELWAL KHUSHAL ASHOK	
37	2124004018	SUMIT CHAUDHARY	
38	2124004019	OM HIRACHAND SOLANKI	
39	2124004020	MUKUL SURESHKUMAR	
40	2124004021	GAJJAR ARYAN MITESHKUMAR	
41	2124004022	GAURAV PANDEY	
42	2124004023	PANCHAL HEMRAJ DHARMENDRAKUMAR	
43	2124004024	BHARATKUMAR SHRI MAGNARAM	
44	2124004025	SUMAN KUMAR MANDAL	
45	2124004026	ANKUR VISHWAKARMA	
46	2124004027	RUTURAJ SINH PRATAP SINH PARMAR	
47	2124004028	PANJWANI VANSHIKA SHANKARLAL	
48	2124004029	K SHRAVYA	
49	2124004030	TIRGAR DHIRUVKUMAR VASANTBHAI	
50	2124004031	ASARI NARENDRAKUMAR	
51	2124004032	MADHAV NANDAN SINGH	
52	2124004033	PARMAR JIGAR JIVANBHAI	
53	2124004034	SHARMA NISHIT KISHAN	
54	2124004035	SHARMA KESHVA KISHAN	
55	2124004036	RAHUL KAPAR	
56	2124004037	PATEL PARTH VISHWAJIT	
57	2124004038	JOSHI PRATIK NARENDRA	
58	2124004039	PATEL DEEPAKUMAR RAJESHBHAI	
59	2124004040	KHAN MOHAMMED SUNAIN SADIK KHAN	
60	2124004041	MALAVIYA ABHISHEK	
61	2225004001	MANSURI ARIZ MAHEMUD BHAI	
62	2225004002	PIPROTAR DEEP RAMESHBHAI	
63	2225004003	SAPNA VIPULBHAI PATEL	
64	2225004004	PALLAVI CHAVDA	
65	2225004005	ADITY GOPALBHAI PANCHAL	
66	1824004035	SALUNKE SAGAR MITESHBHAI	
67	2024004001	PARTH BHAGYESH DAVE	
68	2024004002	PATEL VIDHIBEN SHAILESHKUMAR	
69	2024004003	SOLANKI HARDIK SURENDRA	
70	2024004004	BHINGRADIYA YASKUMAR JITESHBHAI	
71	2024004005	SUTHAR AMI KAUSHIKBHAI	
72	2024004006	PATEL SHREYAS BHARGAV	
73	2024004007	DAKSH JASHVANTKUMAR PATEL	
74	2024004010	SHAH PREETI SATYANARAYAN	
75	2024004011	MILIND ASHISH JOSHI	
76	2024004012	DHAKESHA DHIRUVILKUMAR DILIPBHAI	
77	2024004013	LUHAR KHUSHI KANTILAL	
78	2024004014	PANDEY SUYASH AJITKUMAR	
79	2024004015	MISTRY DHIRUVIL DIPAKKUMAR	
80	2024004016	PRITESH MUKESHBHAI BHUT	
81	2024004017	TRIVEDI ROHANKUMAR PALKESHKUMAR	
82	2024004018	PATEL DHIRUV ASHVINBHAI	



83	2024004020	PATEL KETUKUMAR DINESHBHAI	
84	2024004021	RAVAT ABHISHEK JAYPRAKASHBHAI	
85	2024004022	JAY SATYANARAYAN PANCHAL	
86	2024004023	DAMOR HIMANSHUKUMAR AMRUTBHAI	
87	2024004024	CHAUDHARY JAY RAMESHBHAI	
88	2024004025	SHARMA RUCHI GAUTAM	
89	2024004026	DRAVYA ATULKUMAR CHORADIYA	
90	2024004027	PANCHAL ANJALI RAKESHKUMAR	
91	2024004028	SHARMA MONIL VINOD	
92	2024004029	PATEL RIYABEN DINESHBHAI	
93	2024004030	RISHABH SHIVAKANT TIWARI	
94	2024004031	KRUTARTH PATEL	
95	2024004032	PATIL KAUSHIK DEEPAK	
96	2024004033	CHAUDHARI AVADHKUMAR JAYESHKUMAR	
97	2024004034	TRIVEDI KISHAN SUNILBHAI	
98	2024004035	PATEL HARSHAL MAULIK	
99	2024004036	PATEL MAULIKKUMAR ASHOKBHAI	
100	2024004037	NAIR ADITYA BYJU	
101	2024004038	VASHRAM RABARI	
102	2024004039	PATEL RUSHI RAJNIKANT	
103	2024004040	PATEL DIVY ARVINDBHAI	
104	2024004041	PANCHAL HELLY ANKUR	
105	2024004042	SHYAM SHAILESHBHAI BALIYA	
106	2024004043	PATEL NISHMA VISHNUPRASAD	
107	2024004044	PANCHAL RITIK SUNILKUMAR	
108	2024004046	PAWAR BHAVIN KIRANKUMAR	
109	2125004001	PATEL MESHWA VIPULKUMAR	
110	2125004002	TRADA DHRUMIL GIRISHBHAI	
111	2125004003	RAJPUT ADITYASINH BHUPENDRASINH	
112	2125004004	GAUTAM UPANSHU MUKESHKUMAR	
113	2125004005	SHARMA PRATHAM HARISH	
114	2125004006	MISTRY DIYA SNEHAL	
115	2125004007	PATEL AAYUSH HIRENKUMAR	
116	2125004008	PATEL DEV PANKAJBHAI	
117	2125004009	PATEL DARSHAN DHARMESHBHAI	
118	2125004012	FULBARIYA VIVEK KIRITKUMAR	
119	2125004013	RAJPUT TARUNSINH SHAILENDRASINH	
120	2125004014	VERMA TUSHAR RAJESH	
121	2125004016	BAROT JEET SANDIPBHAI	
122	2125004017	GOHIL CHIRAG PRATAPBHAI	

Faculty Coordinator Name & Sign: Krush Limbadiya

Faculty Coordinator Name & Sign: \_\_\_\_\_

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# INDUSTRIAL VISIT ATTENDANCE SHEET

DEPARTMENT: IT ENGINEERING

INDUSTRY: TOP3 Technologies

LOCATION: Ahmedabad

DATE: 12/09/23

FACULTY COORDINATORS: Krishna Limbadiya

NO OF STUDENTS 40

Sr.No	En.No	Name	Sign
1	2224008001	BHEDI BHARATKUMAR KALUBHAI	
2	2224008002	PATEL MAITRY BHUPATBHAI	
3	2224008003	ASODIYA PRANAY BHAVINKUMAR	
4	2224008004	VYAS GAUTAM KARAMSHIBHAI	
5	2224008005	KANZARIYA MANTHAN DEVRAJBHAI	
6	2224008006	YADAV ABHISHEK SATENDRASINGH	
7	2224008007	SHAH HANI KAMLESHKUMAR	
8	2224008008	BHATT YAGNESH BHARATBHAI	
9	2224008009	CHAVDA HINAL UPENDRASINH	
10	2224008010	ZALAWADIA CHINTAN BHARATBHAI	
11	2224008014	PIPALIYA SAVAN NILESHBHAI	
12	2024008028	DIVYANSH JAYESH BHAJ VADHER	
13	2124008001	BHIMANI PARTH SURESHBHAI	
14	2124008002	KATARMAL HARSH ASHOKBHAI	
15	2124008003	SUTHAR DIVYABEN DINESHKUMAR	
16	2124008004	SUTHAR DRASHTIBEN DINESHKUMAR	
17	2124008005	PRAJAPATI AMAN MANISHBHAI	
18	2124008006	SINGH UMANG BAIDYANATH	
19	2124008007	DHADUK RITANSH ASHOKKUMAR	
20	2124008008	GADHIYA JAYDEEP RAJESHBHAI	
21	2124008009	RAVAT SMITKUMAR ARJUNSINH	
22	2124008010	PANDEY ADITYA PAPPUBHAI	
23	2124008011	BIHOLA URVASHI DILIPSINH	
24	2124008012	VAGHELA ARYAN KIRTIKUMAR	
25	2124008013	PRAJAPATI JAYKUMAR JAYANTIBHAI	
26	2124008014	CHANCHAL CHOUDHARY	
27	2124008015	PATEL KRISHNA FALGUNBHAI	
28	2124008016	VISHAVAKARMA VIKASH RAJESHKUMAR	
29	2124008017	YASHRAJSINGH BHATI	
30	2225008001	ROY DARSHIL DHIRAJKUMAR	
31	2225008002	SENJALIYA TAKSHIL ASHVINBHAI	
32	2225008003	THAKKER JIMIT MANISHBHAI	
33	2225008004	PATEL NAY RAJESHKUMAR	



34	2225008005	MAYANKKUMAR M SUREJA	
35	2225008006	LIMBACHIYA MALAY RASHMIKANT	
36	2225008007	DARSHANKUMAR B SUREJA	
37	2225008008	KRUNAL KETANKUMAR PATEL	
38	2225008009	PATHAK AYUSH	
39	2225008010	REHA ASVINBHAI PATEL	
40	2225008011	VIVEK BHOGILAL BHATT	
41	1824008019	HARSHVARDHAN LALITSINGH SHAKTAWAT	
42	2024008001	PATEL AFZAL ALTAF	
43	2024008002	DARJI DHRUMIL PANKAJBHAI	
44	2024008003	KOMAL HASMUKHBHAI DUMANIYA	
45	2024008004	ADITI KIRTIKUMAR PATEL	
46	2024008005	PRIYANK PIYUSHKUMAR KUVADIYA	
47	2024008006	PATEL PINESH RAMESHBHAI	
48	2024008007	PRAJAPATI JAINESH ANILBHAI	
49	2024008008	DHIRAL CHAUDHARY	
50	2024008010	JAISWAL VINITKUMAR MUKESHKUMAR	
51	2024008011	AUM SUDHIRBHAI PATEL	
52	2024008012	ZEEL ALPESHBHAI PATEL	
53	2024008013	PAI SUDARSHAN	
54	2024008014	ZALA JAYDEEPSINH PRAVINSINH	
55	2024008015	PRAJAPATI RAHUL RAMPRAVESH	
56	2024008016	PATEL SAGAR KIRITBHAI	
57	2024008017	DEBASHISH ASHOK SAMAL	
58	2024008019	HITARTH MUKESH SHARMA	
59	2024008020	MISTRY CHAITANYA BHARATBHAI	
60	2024008021	CHAUDHARI BRIJESHKUMAR MAHESHBHAI	
61	2024008022	CHAUDHARI RITU BHARATBHAI	
62	2024008024	GELANI SANAY PARESHBHAI	
63	2024008025	KATHIRIYA SWATI KAMLESHBHAI	
64	2024008026	GOSWAMI DARSHANGIRI VINODGIRI	
65	2024008027	PATEL SAVAN SANJAYBHAI	
66	2024008029	PATEL YUKTIBEN VINODBHAI	
67	2024008030	PATEL JAY SUNILBHAI	
68	2024008031	GHANSHYAM CHHAGANLAL MALI	
69	2024008032	DUBEY AKASH RAKESH	
70	2024008033	GOSWAMI PARTH RAMESHPURI	
71	2024008034	POONJANI PRATIK SATYAMBHAI	
72	2024008035	PATEL AMIT HARSHAD	
73	2024008036	SHRIVASTAVA RITIKKUMAR ARVINDKUMAR	
74	2024008037	CHAUDHARI KHUSHI RAJEEVSINGH	
75	2024008038	RAVAL SUJAL	
76	2024008039	AMIT SAHEB YADAV	
77	2024008040	OM PARESHBHAI SUTHAR	
78	2024008041	PANCHAL VISHWA RITESHKUMAR	
79	2024008042	PANCHAL DEVANSHI MEHULBHAI	
80	2024008043	PRAJAPATI NIDHI BHARATBHAI	
81	2024008044	VAKANI AAYUSHI JIGNESHBHAI	
82	2024008045	PANCHAL SHARAD SHAILESHBHAI	



83			
84	2024008046	PRIYANSHU BHAVESH JOSHI	
85	2024008047	SHIV BIRJUBHAI ACHARYA	
86	2024008048	JAY SANJAYBHAI UPADHYAY	
87	2125008001	KANANI HARSH PRAFULBHAI	
	2125008002	PATEL ARYA KETANKUMAR	

Faculty Coordinator Name & Sign: Krish Limbadiya

Faculty Coordinator Name & Sign: \_\_\_\_\_

# Department of Electrical Engineering 2022-23

Electrical  
2022-





**SWARNIM**  
**INSTITUTE OF TECHNOLOGY**

**“Report on Industrial Visit - Mundra  
Port & Special Economic Zone Ltd.”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Electrical Engineering Department**  
**Date of Activity : 21/02/2023 – 22/02/2023**



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	21/02/2023- 22/02/2023	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 8 <sup>th</sup>	No. of Students	40
Namewith Designation	Mr.Jagdish Pandya Expert Adani Engineer		
Name of Organization	Mundra Port & Special Economic Zone Ltd.		
Faculty Coordinator	Prof. Ramji Kanani , Prof. Nayan Patel		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

- Introduction and explanation regarding visit at Adani Mundra Port

#### About the Field:

Industrial visit organize for EE branch students at adani mundra port for 1. South Port.2. Oil Refinery section. 3. West Port. And 4. Power station. we had a chance to see world's largest coal trading center, power generating station which produce 4620kW power also a West-port where there was 6 km dockyard created along with plan of constructing 18 berths that were under maintenance over there.

#### Details about the activity:

Mr.Jagdish Pandya Expert Adani Engineer and mentor has more than 15 years of experience in Adani campus. He guide us to different Senior technical persons, who explained us how all above activity perform in different section.

#### Outcome (Benefits to students, faculties, school and university)

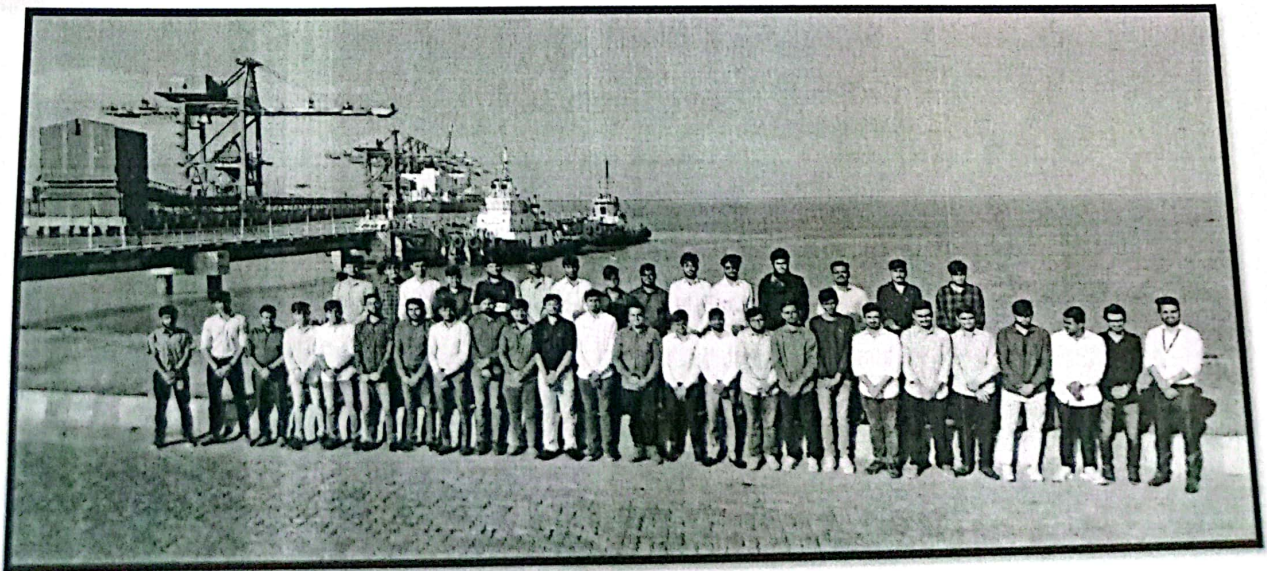
After learning the Adani Power generation plant generates about 4620 KW of power.

- There were huge transformers which covers acres of land .
- Along with that there were 4 boilers.
- By giving a huge amount of coal, company produces a enormous power.
- They are also transmitting power to Haryana and such other states.
- There was other section of refinery, where we saw the 5 process of refining edible oil, production and making of bottles and oil tins.
- The bottles manufactured by Adani itself of 250 ml,500 ml and 1 ltr etc.
- The Port section was divided in two: West Port and South Port.
- On West Port a dockyard of 6 km has been established by the company.



- This port was made in such a way that 18 ships could berth, all at one time,
- This Port was created in shape of 'C'.
- There was a conveyer belt of 11km long, which delivers coal at the speed of 8m/s.
- At the South Port, there was conveyer belt of about 2km long.
- South Port consists of total 12 berths
- Among which 8 berths were operated by other company while other 4 were operated by Adani itself.

#### Photos:





## Industrial Visit BTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	8	1823105001	DEVAPALLI RAGHUVeer AGRAJBHAI	-AB
2	8	1924005001	PAL SABYASACHI AMIYA	Spal
3	8	1924005002	THAKOR ATUL DASHRATHJI	Thakor
4	8	2025005001	PATEL ARYA SUMANTBHAI	Arya
5	8	2025005002	THAKOR KARANKUMAR MANAJI	Korari
6	8	2025005003	SODHA KULDIPSINH HIMMATSINH	Sodhak
7	8	2025005004	DIKSHA PANDEY	Diksha
8	8	2025005005	Lonare Kalash Pramod	-AB-
9	8	2025005006	Patel Kishan Bharat bhai	Kishan
10	8	2025005007	ARYA YUVRAJ	Arya
11	8	2025005008	RAJPUT RAGHVENDRA RAKESH SINGH	Raghavendra
12	8	2025005009	RISHIKESH RAJ VIJAY KUMAR	Rishikesh
13	8	2025005010	PATHAN UMARKHAN SHARIFKHAN	Pathan
14	8	2025005012	Panchal Jay Kirit kumar	-AB
15	6	2125005001	KIRTI ARVINDBHAI NINAMA	Kirti
16	6	2125005002	Ronakkumar Dineshbhai Shah	Ronak
18	6	2125005003	Solanki Vijaykumar Surendrasinh	Solanki
18	6	2125005004	Kshatriya Vinitsinh Amitkumarsinh	Vinit
19	6	2125005005	Chauhan Sandeep Jagdishbhai	Chauhan
20	6	2125005006	Mahida Bhavesh Becharbhai	Bhavesh
21	4	2124005001	YADAV JAYKUMAR DEVENDRASINGH	Yadav
22	4	2124005002	RIKESH MAHATO	Rikesh
23	4	D2D	Patel Shreyashkumar Maheshbhai	Shreyas
24	4	D2D	Ashishkumar Harichand	Ashish
25	4	D2D	Sakarwala Vishal Jethalal	-AB-
26	4	D2D	Debanshu Maity	Maity

## Industrial Visit Diploma Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	6	2022004001	CHAUHAN RAHUL RAMBAHADUR	Rahul



2	6	2022004002	ASODIYA KARAN ASHWINBHAI	Karan
3	6	2022004010	PARMAR MEET ALKESHBHAI	Meet
4	6	2022004011	JOSHI AMITKUMAR ASHOKKUMAR	Joshi
5	6	2123004001	KIRITSINH DOLATSINH DABHI	Kirit.
6	6	2123004002	PUROHIT AVADHESH MARKANDEYA	Avdesh
7	6	2123004003	KHANT SANJAYKUMAR KHEMABHAI	Sanjay
8	4	2122004002	ADARSHKUMAR RAGHVENDRA JHA	Adarsh
9	4	2122004003	VAGHELA YASHRAJSINH NATVARSINH	Yashraj
10	4	2122004004	MEHTA RAHUL MAHESHKUMAR	Mehta
11	4	2122004005	PATEL DHRUV CHANDUBHAI	Dhruv
12	4	2122004006	PARMAR SMIT PRADIPBHAI	Smit
13	4	2122004007	PARMAR RUTVIK BHARATBHAI	Rutvik
14	4	2122004008	YUVRAJ SINGH BRAHMDEV SINGH	yuvraj
15	4	2122004009	KAZI ALVAZUDDIN NASIRUDDIN	Kazim
16	4	C2D	Kudale Ajit Vasant	Ajit
17	4	C2D	Neerajkumar Bhikhari Shah	Neeraj

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	2	2226002801	PARMAR PRIYANKA MOHANBHAI	Priyanka

SWARNIM INSTITUTE OF  
TECHNOLOGY



**SWARNIM**  
INSTITUTE OF TECHNOLOGY

**“Report on Industrial Visit - Gujarat  
Solar Park , Charanka.”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Electrical Engineering Department**  
**Date of Activity : 14/09/2022**





# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	14/09/2022	Duration	1 day
Semester	7,5,3,1	No. of Students	40
Namewith Designation	Dr. Dhyey Raval & Mr. Shyam Gupta		
Name of Organization	Mundra Port & Special Economic Zone Ltd.		
Faculty Coordinator	Prof. Ramji Kanani , Prof. Nayan Patel		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

visit at "Gujarat Solar Park" , Charanka, Dist.PatanIndustrial

#### About the Field:

Electrical Engineering has been visited at "*Gujarat solar park*". This park is Asia's largest solar park, and a leading power generating station in the Gujarat by renewable energy sources. It has electric power capacity of 590 Mega-watts spread across 5,384 acres of unused land. Students were accompanied by two faculties from Electrical Engineering, Dr. Dhyey Raval and Mr. Shyam Gupta respectively.

#### Details about the activity:

students learn about the utilization and implementation practically on the solar power plant operation, maintenance of power plant, and working of photovoltaic technology. We understand various processes like Data monitoring, transmission, distribution and generation of electric power through renewable energy sources. Visit to this solar park has benefited to all the students who are part of this event.

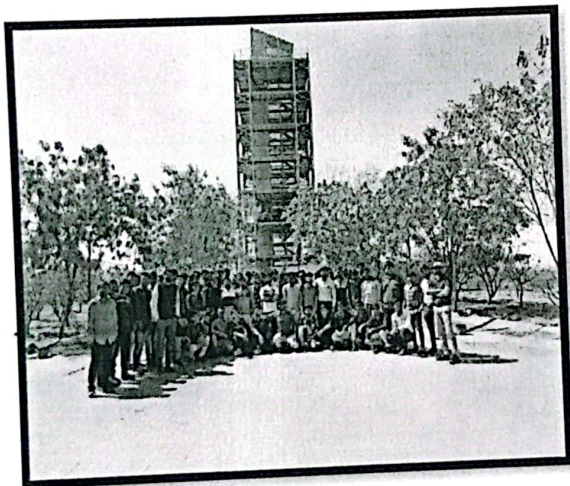
#### Outcome (Benefits to students, faculties, school and university)

- Practical knowledge of the cutting-edge Technology to students
- Understanding of System assembly & Functionality
- Understanding of Power integration & Grid



- To familiarize with Renewable Energy & its Technology
- Understanding about Transmission system & its parts
- Understanding of Data monitoring & its software
- Basic knowledge of Photovoltaic panel & solar thermal Technology
- Understanding about Energy & Energy systems
- Processes of overall power plant operation and its maintenance

### Photos:





### Industrial Visit B.Tech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	7	1823103001	DEVAPALLI RAGHUVeer AGRAJBHAI	Raghav
2	7	1924003001	PAL BABYASACHI AMIYA	Pal
3	7	1924003002	THAKOR ATUL DASHIRATHJI	Thakor
4	7	2025003001	PATEL ARYA SUMANTBHAI	Parya
5	7	2025003002	THAKOR KARANKUMAR MANAJI	Karankumar
6	7	2025003003	SODHA KULDIPSINH HIMMATSINH	Sodha
7	7	2025003004	DIKSHA PANDEY	Diksha
8	7	2025003005	Lonare Kalash Pramod	Kalash
9	7	2025003006	Patel Kishan Bharat bhai	Kishan
10	7	2025003007	ARYA YUVRAJ	-AB-
11	7	2025003008	RAJPUT RAGHIVENDRA RAKESH SINGH	Raghavendra
12	7	2025003009	RISHIKESH RAJ VIJAY KUMAR	Rishikesh
13	7	2025003010	PATHAN UMARKHAN SHARIFKHAN	Pathan
14	7	2025003012	Panchal Jay Kirit kumar	Panchal
15	5	2125005001	KIRTI ARVINDBHAI NINAMA	Kirti
16	5	2125005002	Ronakkumar Dineshbhai Shah	-AB-
17	5	2125005003	Solanki Vijaykumar Surendrasinh	Ronak
18	5	2125005004	Kshatriya Vinitsinh Amitkumarsinh	Vinit
19	5	2125005005	Chauhan Sandeep Jagdishbhai	Chauhan
20	5	2125005006	Mahida Bhavesh Becharbhai	Bhavesh
21	3	2124005001	YADAV JAYKUMAR DEVENDRASINGH	Yadav
22	3	2124005002	RIKESH MAHATO	Rikesh
23	3	D2D	Patel Shreyashkumar Maheshbhai	Shreyash
24	3	D2D	Ashishkumar Harichand	Ashish
25	3	D2D	Sakarwala Vishal Jethalal	Vishal
26	3	D2D	Debanshu Maity	Debanshu

### Industrial Visit Diploma Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	5	2022004001	CHAUHAN RAHUL RAMBAHADUR	-AB-

2	5	2022004002	ASODIYA KARAN ASHWINBHAI	Karan
3	5	2022004010	PARMAR MEET ALKESHBHAI	Meet
4	5	2022004011	JOSHI AMITKUMAR ASHOKKUMAR	Joshi
5	5	2123004001	KIRITSINH DOLATSINH DABHI	Kirit
6	5	2123004002	PUROHIT AVADHESH MARKANDEYA	Avdesh
7	5	2123004003	KHANT SANJAYKUMAR KHEMABHAI	Sanjay
8	3	2122004002	ADARSHKUMAR RAGHVENDRA JHA	Adarsh
9	3	2122004003	VAGHELA YASHRAJSINH NATVARSIH	Yashraj
10	3	2122004004	MEHTA RAHUL MAHESHKUMAR	Mehta.
11	3	2122004005	PATEL DHRUV CHANDUBHAI	Dhrav
12	3	2122004006	PARMAR SMIT PRADIPBHAI	Smit
13	3	2122004007	PARMAR RUTVIK BHARATBHAI	Rutvik
14	3	2122004008	YUVRAJ SINGH BRAHMDEV SINGH	Yuvraj
15	3	2122004009	KAZI ALVAZUDDIN NASIRUDDIN	Kazirud
16	3	C2D	Kudale Ajit Vasant	Ajit
17	3	C2D	Neerajkumar Bhikhari Shah	Neeraj

### Industrial Visit MTech Students Attendance:

Sr. No.	Semester	Enrollment No	Name of Students	Signature
1	1	2226002801	PARMAR PRIYANKA MOHANBHAI	-AB-

SWARNIM INSTITUTE OF  
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# **Department of Electrical Engineering 2020-21**



**SWARNIM**  
**INSTITUTE OF TECHNOLOGY**

**“Report on  
Industrial Visit at ISRO, Ahmedabad”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Electrical Engineering Department**  
**Date of Activity : 21/09/2021**





# SWARNIM INSTITUTE OF TECHNOLOGY

## Activity Report

School	School of Engineering		
Department	Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	21/09/2021		
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	Duration	1 day
Namewith Designation	Dr. Anurag Mishra Visit Expert	No. of Students	38
Name of Organization	Gujarat Energy Transmission Corporation Limited Vadavi, Mahesana		
Faculty Coordinator	Prof. Nayan Patel, Prof. Ramji Kanani		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

### Activity Details:

Indian Space Research Organization Industrial Visit

### About the Field:

ISRO, Indian Space Research Organization is one of the very few Organizations that form the strong foundation of our Nation. It is the very reason in establishing presence of India in Space and Defense Technologies. Founded by one of the most renowned and greatest scientist and innovator Dr. Vikram Sarabhai as Indian National Committee for Space Research (INCOSPAR) was set up by the Government of India in 1962.

### Details about the activity:

The Organization first developed Thumba Equatorial Rocket Launching Station in Thiruvananthapuram for upper atmospheric research. Vikram Sarabhai, having identified the role and importance of space technology in a Nation's development, provided ISRO the necessary direction to function as an agent of development. ISRO then embarked on its mission to provide the Nation space based services and to develop the technologies to achieve the same independently.

ISRO have successfully launched scores of National and International Satellites. It has accomplished the most historic mission of sending Mangalyan in space. The entire project was lauded by the world all around marking the milestone of India in space.

SWARNIM INSTITUTE OF  
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## Outcome (Benefits to students, faculties, school and university)

Faculty & Students of EE branch learnt about the applications of all the concepts. They saw and experienced the real time applications of the very fundamentals they learnt at college. They experienced the vast and deep historic importance and achievements of ISRO that makes us extremely Proud as citizens of India.

### Photos:





### Industrial Visit BTech Students Attendance:

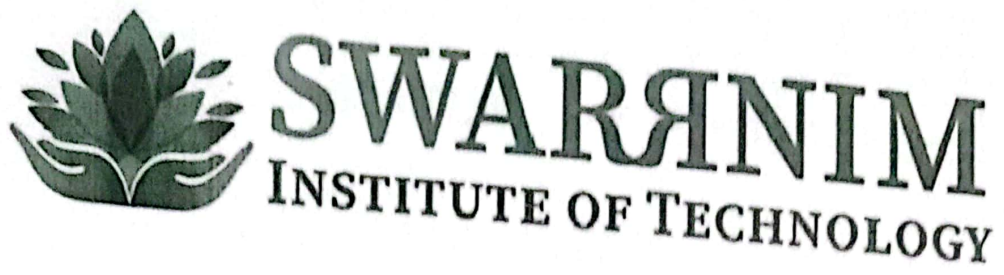
Sr. No.	Semes ter	Enrollment No	Name of Students	Signature
1	7	1925005002	Bukhari Mohammedshaiq Murtuzahusen	Mohammad
2	5	1823105001	DEVAPALLI RAGHUVVEER AGRAJBHAI	Raghav
3	5	1924005001	PAL SABYASACHI AMIYA	-AB-
4	5	1924005002	THAKOR ATUL DASHRATHJI	Atul S.
5	5	2025005001	PATEL ARYA SUMANTBHAI	Arya
6	5	2025005002	THAKOR KARANKUMAR MANAJI	Karan
7	5	2025005003	SODHA KULDIPSINH HIMMATSINH	Sodha
8	5	2025005004	DIKSHA PANDEY	Diksha
9	5	2025005005	Lonare Kalash Pramod	Kalash
10	5	2025005006	Patel Kishan Bharat bhai	Kishan
11	5	2025005007	ARYA YUVRAJ	Arya
12	5	2025005008	RAJPUT RAGHVENDRA RAKESH SINGH	Raghavendra
13	5	2025005009	RISHIKESH RAJ VIJAY KUMAR	Rishikesh
14	5	2025005010	PATHAN UMARKHAN SHARIFKHAN	Pathan
15	5	2025005011	PARMAR NIKULKUMAR PARSOTTAM BHAI	Nikul
16	5	2025005012	Panchal Jay Kirit kumar	Jay
17	5	2024005001	PATEL BHAKTIL SANJAYBHAI	Patel
18	3	2125005001	KIRTI ARVINDBHAI NINAMA	Kirti
19	3	2125005002	Ronakkumar Dineshbhai Shah	Ronak
20	3	2125005003	Solanki Vijaykumar Surendrasinh	-AB-
21	3	2125005004	Kshatriya Vinitsinh Amitkumarsinh	Solanki
22	3	2125005005	Chauhan Sandeep Jagdishbhai	Vinit
23	3	2125005006	Mahida Bhavesh Becharbhai	-AB-

### Industrial Visit Diploma Students Attendance:

Sr. No.	Semes ter	Enrollment No	Name of Students	Signature
1	5	1922004001	Kachhadiya Harsh Dipakbhai	Harsh
2	5	1922004002	Gameti Nikulbhai Laljibhai	-FIB-
3	5	2023004001	Parmar Arvindbhai Harjivanbhai	Nikul
4	5	2023004002	Patel Sandip Ghanshyambhai	Arvind
5	5	2023004003	Bhalsod Jigar Parehbhai	-AB-
6	5	2023004004	Dafda Rajubhai Maljibhai	Raju
7	5	2023004005	Patel Ravindra Bharatbhai	Ravindra
8	5	2023004006	Mehta Amitkumar Subodhchandra	Mehta
9	3	2022004001	CHAUHAN RAHUL RAMBAHADUR	Rahul
10	3	2022004002	ASODIYA KARAN ASHWINBHAI	Karan
11	3	2022004003	JOSHI DHARM MUKESHBHAI	Dharm
12	3	2022004005	RATHAVA SACHINKUMAR MAHESH BHAI	Sachin
13	3	2022004006	RATHWA RAMESHBHAI JEMABHAI	Ramesh
14	3	2022004008	SOLANKI RAHULBHAI JIVANBHAI	Rahul
15	3	2022004010	PARMAR MEET ALKESHBHAI	Meet

16	3	2022004011	JOSHI AMITKUMAR ASHOKKUMAR	Joshi
17	3	2022004012	RAVAL KISHANKUMAR	Kishan
18	3	2123004001	KIRITSINH DOLATSINH DABHI	Kirit.
19	3	2123004002	PUROHIT AVADHESH MARKANDEYA	Avdesh
20	3	2123004003	KHANT SANJAYKUMAR KHEMABHAI	Sanjay





**“Report on GETCO (Gujarat Energy  
Transmission Corporation Limited)  
substation 400 kV”**

**Name of School : SWARNIM INSTITUTE OF TECHNOLOGY**  
**Department : Electrical Engineering Department**  
**Date of Activity : 22/03/2021**



# SWARNIM

## INSTITUTE OF TECHNOLOGY

### Activity Report

School	School of Engineering		
Department	Electrical Engineering Department		
Activity Type	Industrial Visit		
Date	22/03/2021	Duration	1 day
Semester	3 <sup>rd</sup> , 5 <sup>th</sup> And 7 <sup>th</sup>	No. of Students	39
Named with Designation	Dr. Nilesh Patel , Senior Manager Training		
Name of Organization	Gujarat Energy Transmission Corporation Limited Vadavi, Mahesana		
Faculty Coordinator	Prof. Nayan Patel		
Sponsoring authority	Principal/Registrar	Sponsorship amount:	As per University Norms

#### Activity Details:

Gujarat Energy Transmission Corporation Limited Vadavi, Mahesana

#### About the Field:

Gujarat Energy Transmission Corporation Limited (GETCO) was set up in May 1999 and is registered under the Companies Act, 1956. The Company was promoted by erstwhile Gujarat Electricity Board (GEB) as its wholly owned subsidiary in the context of liberalization and as a part of efforts towards restructuring of the Power Sector.

#### Details about the activity:

An Industrial Visit for the students of the Electrical Engineering. The major stations include a control room from which operations are coordinated. Smaller distribution substation follow the same principle of receiving power at higher voltage on one side and sending out a number of distribution feeder at lower voltage on the other, but they serve a more limited local area and are generally unstaffed.

The central components of the substation is the transformer, as it provides the effective enface between the high-and lower parts of the system.

#### Outcome (Benefits to students, faculties, school and university)

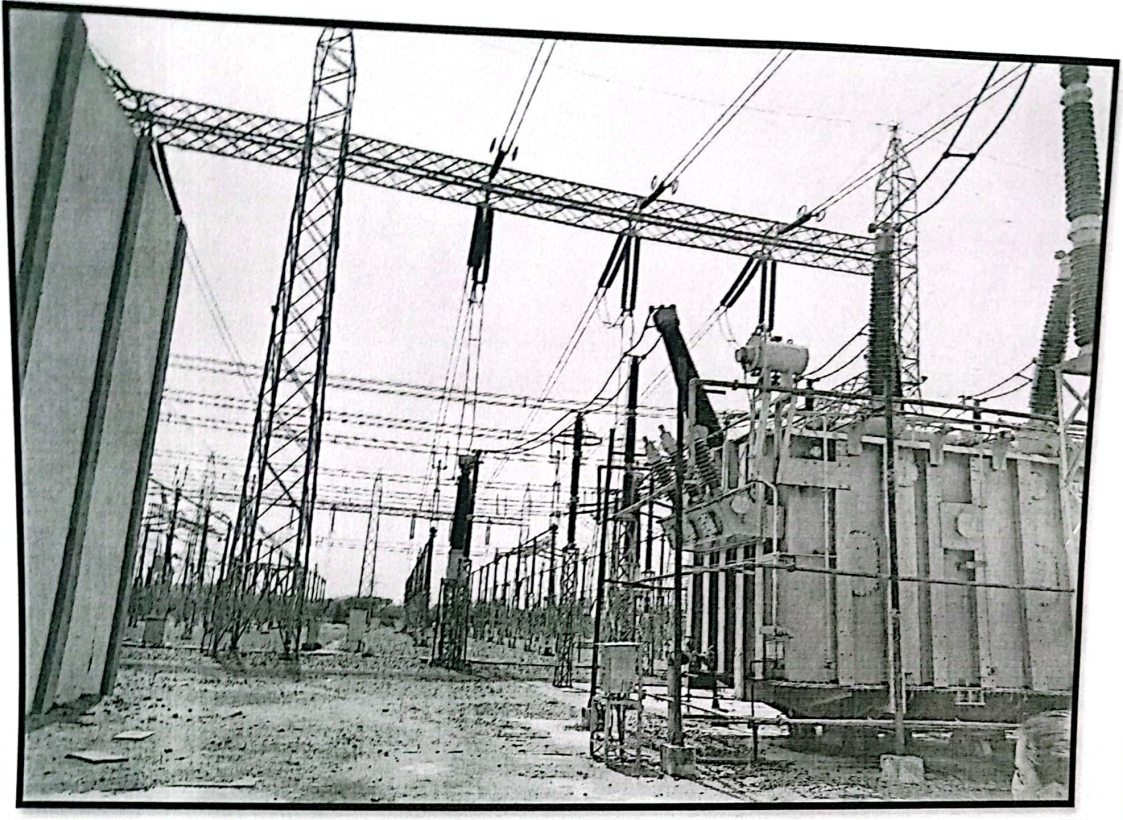
From one days of the industrial visit, students benefited with the following things:

- They gain Practical knowledge in the Electrical world.
- They learn how to execute innovative idea and achieved main objectives of the organization.
- They also learned the safety measures.

TECHNOLOGY  
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Photos:





### Industrial Visit BTech Students Attendance:

Sr. No.	Semes ter	Enrollment No	Name of Students	Signature
1	8	1723005001	ROZATKAR AKSHAY GANESH	Akshay
2	8	1723005002	VARMA ABHISHEK BALRAM	Abhishek
3	8	1723005004	CHAUHAN SHUBHAM HARISHKUMAR	Shubham
4	8	1723005005	LAHERI NIKHIL DINESHKUMAR	Nikhil
5	8	1723005006	PATEL VISHAL DASHRATHBHAI	Vishal
6	8	1723005007	MANSURI PARVEZ MOHAMMEDBHAI	Parvez
7	8	1825005001	PATEL PRINCE BHAGVANBHAI	Prince
8	8	1825005002	MOHAMMAD AFAZAL	Afaaz
9	8	1825005003	PARMAR KAUSHIKKUMAR LAXMANBHAI	Kaushik
10	8	1825005004	PARMAR YASH TARUNBHAI	Yash
11	8	1825005005	CHAUDHARI HARSHBHAI BHARATBHAI	Harsh
12	6	2025005001	PATEL ARYA SUMANTBHAI	Arya
13	6	2025005002	THAKOR KARANKUMAR MANAJI	Thakor
14	6	2025005003	SODHA KULDIPSINH HIMMATSINH	Sodha
15	6	2025005004	DIKSHA PANDEY	Diksha
16	6	2025005001	PATEL ARYA SUMANTBHAI	Arya
17	6	2025005005	LONARE KALASH PRAMOD	Kalash
18	6	2025005006	PATEL KISHAN BHARAT BHAI	Kishan
19	6	2025005007	ARYA YUVRAJ	Arya
20	6	2025005008	RAJPUT RAGHVENDRA RAKESH SINGH	Raghnar
21	6	2025005009	RISHIKESH RAJ VIJAY KUMAR	Raj
22	6	2025005010	PATHAN UMARKHAN SHARIFKHAN	Umarkhan
23	6	2025005011	PARMAR NIKULKUMAR PARSOTTAM BHAI	Nikul
24	6	2025005012	PANCHAL JAY KIRITKUMAR	Jay
25	6	1924005001	PAL SABYASACHI AMIYA	Pale
26	6	1924005002	THAKOR ATUL DASHRATHJI	Thakor
27	6	1823105001	DEVPALLI RAGHUVVEER AGRSJBHAI	Raghuvveer
28	6	1925005002	BUKHARI MOHAMMEDSHAIQ MURTUZAHOUSEN	Mohammed

### Industrial Visit Diploma Students Attendance:

Sr. No.	Semes ter	Enrollment No	Name of Students	Signature
1	6	1922004001	KACHHADIYA HARSH DIPAKBHAI	Harsh
2	6	1922004002	GAMETI NIKULBHAI LAJIBHAI	Nikul
3	6	2023004001	PARMAR ARVIND BHAI HARJIVAN BHAI	- AB -
4	6	2023004002	PATEL SANDIP GHANSHYAMBHAI	Sandip
5	6	2023004003	BHALSOD JIGAR PARESHBHAI	Jigar
6	6	2023004004	DAFDA RAJUBHAI MALJIBHAI	Raju
7	6	2023004005	PATEL RAVINDRA BHARATBHAI	- AB -
8	6	2023004006	MEHTA AMITKUMAR SUBODHCHANDRA	Amit
9	6	1822004003	KUMAVAT NILESH NARANBHAI	Nilesh

WARMIM INSTITUTE OF  
TECHNOLOGY



10	6	1822004005	SHAH RONA K KUMAR DINESHBHAI	Ronak
11	6	1822004006	VAGHELA HARPALSINH DOLATSINH	Harpal
12	6	1923004001	SAVALIYA HARDIKKUMAR GHANSHYAMBHAI	Hardik

**Course Structure of B.Tech**  
**Semester I - II Teaching Scheme and Examination Scheme**

**SEMESTER I-II**

Sr. No.	Subject Code	Subject Name	Credit	Teaching Scheme Per Week			
				Th	Tu	P	Total
1	23000001	Maths-I	5	3	2	0	5
2	23000002	Electronic Workshop	2	0	0	4	4
3	23000006	Environmental Studies	2	2	0	0	2
4	23000003	Elements of Mechanical Engineering	5	4	0	2	6
5	23000015	Elements of Civil Engineering	5	4	0	2	6
6	23000004	Fundamentals of Computer Programming	3	2	0	2	4
7	23000010	Maths-II	5	3	2	0	5
8	23000011	Engineering Graphics	4	2	0	4	6
9	23000005	Engineering Physics	4	3	0	2	5
10	23000016	Chemistry	4	3	0	2	5
11	23000012	Elements of Electrical Engineering	5	4	0	2	6
12	23000008	Communication Skills	3	3	0	0	3
13	23000007	Introduction to Entrepreneurship	2.5	2	1	0	3



14	23000013	Preparing Wider Horizon for Entrepreneurship	2.5	2	1	0	3
15	23000009	Basic Electronics	5	4	0	2	6
		<b>Total</b>	<b>57</b>	<b>41</b>	<b>6</b>	<b>22</b>	<b>69</b>



## Swarnnim Startup & Innovation University

### Industry Visit Report: IFFCO Kalol

On 24 August, 2022, a group of [number] participants from Swarnnim institute of technology visited the Indian Farmers Fertiliser Cooperative Limited (IFFCO) plant in Kalol. This visit was part of our academic program aimed at providing practical insights into the operations and technologies of major industrial facilities. IFFCO, as one of India's leading fertilizer manufacturers, plays a pivotal role in supporting agricultural productivity and sustainability.

The Kalol facility, known for its advanced production processes and commitment to quality, offered an opportunity to explore the production and management practices that drive its success in the fertilizer industry.

### Objectives

The visit to IFFCO Kalol was organized to gain insights into the production processes and technologies used in the manufacturing of fertilizers and observe the advanced technologies and innovations implemented in the production and quality control of fertilizer. The main objective to explore potential career paths within the fertilizer industry and understand the skills and qualifications required for various roles.

**Key Areas Covered:** The production facilities at IFFCO Kalol include several units dedicated to the manufacturing of different types of fertilizers. The facility utilizes advanced technologies to enhance production efficiency and product quality. Quality control is critical to ensuring that fertilizers meet industry standards and deliver consistent performance.

### Outcomes

Participants gained a comprehensive understanding of the fertilizer production process, from raw material processing to final product manufacturing. The visit clarified the technological and operational aspects involved in producing high-quality fertilizers. The exposure to advanced production technologies and quality control measures provided valuable insights into how innovation drives efficiency and product quality in the fertilizer industry.



Participants gained knowledge about current industry trends, challenges, and future directions, enhancing their awareness of the broader context in which fertilizer companies operate. The visit served as an inspiration for participants to explore career opportunities within the fertilizer industry, providing practical insights into the skills and qualifications required for various roles.









## Swarnim Startup & Innovation University

### Industry Visit Report: ISRO Ahmedabad

On 18th May, 2023, a delegation from Swarnim Institute of Technology had the privilege of visiting the Indian Space Research Organisation (ISRO) in Ahmedabad. The ISRO Vikram Sarabhai Space Exhibition Centre in Ahmedabad hosted an industry visit on behalf of the Department of Science and Humanities from Swarnim Institute of Technology, Swarnim University. More than 72 students visited the VSSE Centre to learn about the process of launching satellites and the various missions that the ISRO has successfully completed. Overall, the students found the tour to be very educational and career-focused.

The Ahmedabad facility, one of ISRO's pivotal centers, plays a crucial role in the development, integration, and testing of space missions and satellite systems. This visit provided an invaluable opportunity to understand the operational intricacies, technological advancements, and strategic initiatives of ISRO.

### Objective

The primary objectives of the visit were to understand the role of ISRO in space research and exploration and explore the technological advancements in satellite development and launch systems also to gain insights into the operational procedures and management of space missions.

**Key Areas Covered: Satellite Assembly and Integration Laboratory, Testing Facilities, Mission Control Room, Satellite Programs and Projects.**

### Outcomes

Participants gained a deeper appreciation of the complexities involved in space research and technology. Observations of satellite assembly, testing procedures, and mission control operations clarified how cutting-edge technologies are applied to achieve successful space missions. The visit highlighted ISRO's role in advancing satellite technology and launch systems. The visit provided a clear view of the operational workflows and project management strategies at ISRO. Understanding the detailed processes involved in satellite development, integration, and testing illustrated the level of precision and coordination required to ensure mission success. This knowledge is valuable for participants aspiring to work in space research or related fields.

Participants were informed about ISRO's ongoing and upcoming projects, including innovative satellite missions and interplanetary explorations. This exposure to ISRO's strategic goals and technological advancements highlighted the organization's commitment to pushing the boundaries of space exploration and provided inspiration for future research and career opportunities. The visit served as a significant source of inspiration for the participants, showcasing the exciting possibilities within the field of space science and engineering. Engaging with ISRO's scientists and engineers, and learning about their ground-breaking work, motivated participants to pursue careers in space research and consider innovative solutions to complex challenges.

Participants developed a greater appreciation for ISRO's achievements and contributions to global space exploration. The visit highlighted ISRO's impact on various sectors, including communication, navigation, and Earth observation, demonstrating how space technology benefits society at large. The exposure to ISRO's diverse roles and career opportunities provided participants with a clearer perspective on potential career pathways within the space industry.





# ISRO VISIT LIST

2022-2023

Swarnim Startup and Innovation University				
Swarnim Institute of Technology				
Department of Science and Humanities				
Sr. No.	Name	College/University Name	Email ID	Signature
1	Bishal Kumar Singh	Diploma, Sem 2	bishalshah@98765421	Bishal
2	Ayush Barnwal	"	ayuth@gmail.com	Ayush
3	Raj Karan Baitra	"	rajkarandbaitra@gmail.com	Raj
4	Prince Chaudhary	"	Prince Kumar 55668	Prince
5	Dhey Patel	"	Dhey Patel 1605944	Dhey
6	Patel Sulaj	"	Sulaj Patel 4970844	Sulaj
7	Bhusot Ruchu	"	Bhusot Ruchu 74447	Ruchu
8	Jahin Asham	"	Asham 1481058	Asham
9	Prince Jubin	"	Prince jubin 24444	Jubin
10	Jeel Patel	"		
11	Jahin Soham	"	Jahin Soham 91444	Soham
12	Anand Keshi	"	Anand KR 67676	Anand
13	Krishna Suresh	"	Suresh Krishna 03	Krishna
14	Harsheeraj Harkumar	"	Harsheeraj Harkumar 006	Harsheeraj
15	Kinnari Seshank	"	Kinnari Seshank 10	Kinnari
16	Kalash Chaudhary	B-Tech 2-Sem	Kalash Chaudhary 55	Kalash
17	Tanvi Bhagwan	"	Bhagwan Tanvi 6	Tanvi
18	Ravi Mandar	Diploma	Ravi Mandar 65	Ravi
19	Dilip Prasad Jaiswal	B-Tech 2-Sem	Dilip Prasad 11	Dilip
20	Bhupendra Kr Maht	B-Tech 2-Sem	Singh Bhupendra 900	Bhupendra
21	Gurman Mandar	B-Tech 4-Sem	Gurman Mandar 24444	Gurman
22	Ashish Katarwal	"	Ashish Katarwal 579	Ashish
23	Rahul Katar	"	Rahul Katar 68.944	Rahul
24	Sumit Chaudhary	"		Sumit
25	Ashish Geo	B-Tech Civil 4-Sem	D. Ashish 638.9.44	Ashish
26	Chandana Narayansan	B-Tech Civil 2-Sem	ds165795@gmail.com	Chandana
27	Satish Kumar	Diploma Computer	satishkumar65@gmail.com	Satish
28	Bhumi Bhargava	BCA-DS Sem 4	bhumi1902@gmail.com	Bhumi
29	Shruti Bhargava	"	shruti1902@gmail.com	Shruti
30	Het Sarapara	B-Tech Sem 8	het1902@gmail.com	Het
31	Om Vagkar	BCA Sem 3	omv23@gmail.com	Om
32	Dhruvika Rajput	BCA-DS Sem 4	dhruvika127@gmail.com	Dhruvika
33	Jenish Duseera	BCA-CTIS Sem 4	jenishduseera78@gmail.com	Jenish
34	Sagar Sagar	B-Tech 4th Sem	sagarsagar1339	Sagar
35	Bhuvik	B-Tech 4th Sem	BK 33134	Bhuvik
36	Pratik Panchan	B-Tech 4th Sem	pratikpanchan1902	Pratik
37	Pratik Panchan	BCA-DS Sem-6	pratikpanchan1902	Pratik
38	Akshay Arora	BCA-DS Sem-6	Akshay125678	Akshay
39	Vanshika Panjwani	B-Tech C.E Sem-4	Vanshika125678	Vanshika
40	Bhavya Panjwani	B-Tech C.E Sem-4	Bhavya Panjwani 125678	Bhavya
41	Reshu Chaudhary	B-Tech C.E Sem-4	reshu125678	Reshu
42	Jay Prakash	B-Tech 4th Sem	Jay Prakash 125678	Jay





**Swarnim Startup and Innovation University**  
**Swarnim Institute of Technology**  
**Department of Science and Humanities**



Sr. No.	Name	College/University Name	Email ID	Signature
1	Meharjit Singh	B.Tech C.E	meharjit11@gmail.com	
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3	Mahesh Nandan Singh	B.Tech CE	maheshnandan11@gmail.com	
4	Gurpreet Singh	B.Tech Civil	gurpreetsingh11@gmail.com	
5	Hrushikesh	B.Tech Comp	hrushikesh11@gmail.com	
6	Tamir Tini	D.E		
7	Teel Patel	D.E		
8	Rajan K. Baranwal	B.Tech Comen.	rajan.k.baranwal@swarnim.edu.in	
9	Abir Patel			
10	Ranish Limbu	Diploma Civil	ranishlimbu11@gmail.com	
11	Shiddhant Baset	B.Tech Civil	shiddhantbaset11@gmail.com	
12	Pharmondra Phital	B.Tech Computer	pharmondra11@gmail.com	
13	Shikhar Arora	B.Tech CSE		
14	Devansh Taneja	B.Tech CSE		
15	Tamir Gupta	Diploma C.E		
16	Jamir Vaghela	Diploma C.E		
17	Meer Shah	BCA CDS		
18	Mihir Parmar	BCA CDS		
19	Saniya Nayak	B.Tech (CE)		
20	Shravya K	B.Tech (CE)		
21	Kapil Sharma	BCA (Gen)		
22	Ench	BCA CDS		
23	Anshul Singh	BCA CDS		
24	Shreyas Patel	Diploma F.E		
25	Pooja Parica - K Yadav	B.Tech		
26	Om Gupta	Diploma		
27	Ravi Ravi	Diploma C.E	ravi.ravi@swarnim.edu.in	
28	Kundan Kumar Baranwal	B.Tech (Electrical)	kundanbaranwal31@gmail.com	
29	Chinglu Nigam	B.Tech (CE)		
30	Tanvik Bhatt	BCA CDS		
31	Akshay Kumar	B.Tech (CE)		
32	Teel Patel	D.E		
33	Digam Nimbar	D.E		
34	Digvijay Patel	D.E		
35				
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**Swarrnim Startup & Innovation University**  
**Vikram A Sarabhai Community Science Centre**

<b>Institute / Department</b>	Science and Humanities, SIT
<b>Activity / Event Name</b>	Visit The Vikram A Sarabhai Community Science centre
<b>Date of the event</b>	12/12/2023
<b>Duration</b>	1 Day
<b>Participant's Branch/Institutes</b>	1 <sup>st</sup> Year B.Tech. and 1 <sup>st</sup> Year Diploma Students
<b>Total Number of Participants</b>	60 Students
<b>Name of Mentor/Principal</b>	Dr. Jayant Shekhar Principal and Director of SIT
<b>Name of Speaker / Guest</b>	-
<b>Faculty Coordinator Details (Name, Designation, Contact Details)</b>	<p>Dr. Leena Patekar Head of the Department Science and Humanities</p> <p>Prof. Savita Yadav Assistant Professor of the Department Science and Humanities</p> <p>Prof. Kalpesh Pandya Assistant Professor of the Department Science and Humanities</p>

	Prof. Dixita Akabari Assistant Professor of the Department Science and Humanities  Prof. Jiinal Sharma Assistant Professor of the Department Science and Humanities
<b>Student Coordinator Details (If any)</b>	Jigar Parmar B.Tech Sem 1

### Summary:

On December 12, 2023, a group of students and faculty visited the Vikram A Sarabhai Community Science Centre (VASCSC) in Ahmedabad. This visit aimed to explore the centre's innovative approaches to science education and community outreach, aligning with our educational goals of fostering scientific literacy and practical learning among students.

### Objectives

- Gain insights into how the center promotes science and technology in the community.
- Examine the various programs and workshops offered by the center.
- Identify potential opportunities for collaboration between our institution and VASCSC.
- Encourage students to engage more actively in scientific pursuits through hands-on experiences.

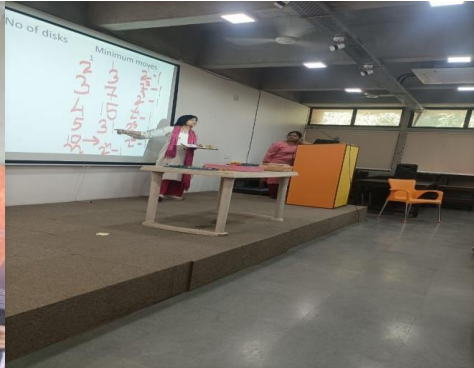
**Key Areas Covered:** Interactive Exhibitions, Workshops and Training Sessions, Community Outreach Initiatives, Environmental Education, Research and Development.

### Outcomes

The visit to the Vikram A Sarabhai Community Science Centre was a valuable experience that underscored the significance of innovative science education and community outreach. The knowledge and inspiration gained from this visit will significantly influence our approach to science education, encouraging greater collaboration and engagement within our community.

Participants gained a deeper understanding of the importance of community engagement in science education and the innovative methods employed by VASCSC. Discussions opened pathways for potential collaborations, including joint workshops, exchange programs, and community projects aimed at enhancing science literacy. Students left motivated to pursue scientific interests, having experienced firsthand the engaging and practical nature of VASCSC's educational programs.





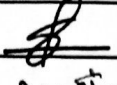
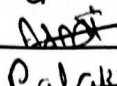
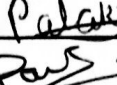
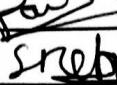
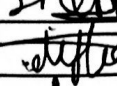
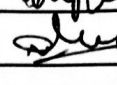




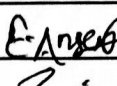
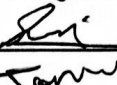

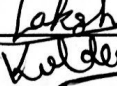
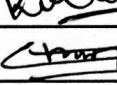
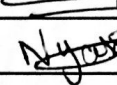
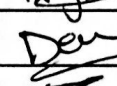
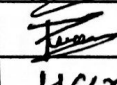
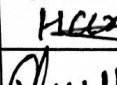
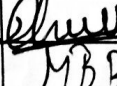
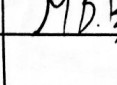
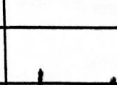
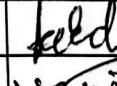
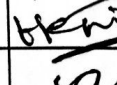
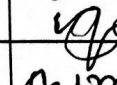
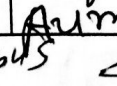
# VISIT TO THE VIKRAM A. SARABHAI COMMUNITY SCIENCE CENTER

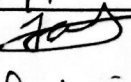
## Visit community science Center

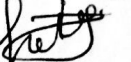
### Attendance Sheet

No.	Name	Mobile Number	Branch	Transportation By	Sign
1	Jain Harsh	8160087269	B.tech	College Bus	<i>[Signature]</i>
2	Sai Vilas Pednekar	8766524727	B.tech	College Bus	<i>[Signature]</i>
3	Raval Deepak	9974758742	B.tech	College Bus	<i>[Signature]</i>
4	Barad Diya	9586827122	B.tech	College Bus	<i>[Signature]</i>
5	Raval Vishnubhai	7383017946	B.tech	College Bus	<i>[Signature]</i>
6	Dhruvrajsinh chauhan	9824380555	B.tech	College Bus	<i>[Signature]</i>
7	Raval ved anilkumar	9023408595	B.tech	College Bus	<i>[Signature]</i>
8	Shiv Vyas	8320009047	B.tech	College Bus	<i>[Signature]</i>
9	Fafal Allan Dharmendra	97259 49145	Diploma	College Bus	<i>[Signature]</i>
10	Shihab bakrawala	9924518753	Diploma	College Bus	<i>[Signature]</i>
11	Yadav Amreshkumar Rajeshk	9723228042	Diploma	College Bus	<i>[Signature]</i>
12	Dave tanay	8780929527	Diploma	College Bus	<i>[Signature]</i>
13	Priyanshu brahmbhatt	9316523569	Diploma	College Bus	<i>[Signature]</i>
14	Johnwal divyaraj.y	9106077458	Diploma	College Bus	<i>[Signature]</i>
15	Kadiya nagesh manishbhai	7802088147	Diploma	College Bus	<i>[Signature]</i>
16	Dhamanawala neel .v	9106308741	Diploma	College Bus	<i>[Signature]</i>
17	Patel henil	90165 03300	Diploma	College Bus	<i>[Signature]</i>
18	bipinmahto	6359002524	Diploma	College Bus	<i>[Signature]</i>
19	Jawydeep	9106504211	Diploma	College Bus	<i>[Signature]</i>
20	Pujan bhatt	9265673337	Diploma	College Bus	<i>[Signature]</i>
21	Nayi mayur prakashbhai	+91 94275 79066	Diploma	College Bus	<i>[Signature]</i>
22	Patel ridham	9313965809	Diploma	College Bus	<i>[Signature]</i>
23	Panchal saumya	7862952304	Diploma	College Bus	<i>[Signature]</i>
24	Heneel Kothari	9898458346	Diploma	College Bus	<i>[Signature]</i>
25	Arjun Bhandari	8798198171	B.tech	College Bus	<i>[Signature]</i>
26	Chudasama Aryan Laxmanbh	7435978254	B.tech	College Bus	<i>[Signature]</i>
27	Prathviraj soni	6354024384	B.tech	College Bus	<i>[Signature]</i>
28	Vishv prajapati	9401002135	B.tech	College Bus	<i>[Signature]</i>
29	Rajput Abhishek Singh	8488896216	Diploma	College Bus	<i>[Signature]</i>
30	Prashant Chhetry	8837300612	B.tech	College Bus	<i>[Signature]</i>



No.	Name	Mobile Number	Branch	Transportation By	Sign
31	Shailendra Kumar yadav	+9779821786390	Diploma	College Bus	
32	Asmi patil	7990822104	B.tech	College Bus	
33	Palak Tiwari	6355892063	B.tech	College Bus	
34	Ravindra Pandar	9925007688	B.tech	College Bus	
35	Sneh patel	8160301837	Diploma	College Bus	
36	Disha Asodariya	9106959070	B.tech	College Bus	
37	Mann Lunagariya	9016884235	B.tech	College Bus	
38	Parmar Rajan	6352369612	Diploma	College Bus	
39	Prince Jha	8490097012	B.tech	College Bus	
40	Ajay Baghel	9665484553	B.tech	College Bus	
41	Pal ritik	7383363757	B.tech	College Bus	
42	Roat yash	6352768380	Diploma	College Bus	
43	Emamul Ansari	9157265410	Diploma	College Bus	
44	Suraj mandal	9065461381	Diploma	College Bus	
45	Tanvi Chaudhari	9313750439	B.tech	College Bus	
46	Lakshya Gupta	9737173796	Diploma	College Bus	
47	Acharya kuldeep	9998627282	B.tech	College Bus	
48	Chandan Singh	+9779815757545	B.tech	College Bus	
49	Nyasa Dwivedi	9394303484	B.tech	College Bus	
50	Dev patel	9265193946	B.tech	College Bus	
51	Parmar Jigar Jaysukhbhai	7096063336	B.tech	Yourself	
52	Hardik Parmar	9727005705	B.tech	Yourself	
53	Raval Dhwani Anilkumar	9328779114	Diploma	Yourself	
54	Bargav Mora	9492402303	Diploma	Yourself	
55	Harsh nayka	8799225498	Diploma	Yourself	
56	Samarpan gohil	8200879260	B.tech	Yourself	
57	Shaikh Fardin	9173102876	Diploma	Yourself	
58	Henish Vekariya	6355282487	B.tech	Yourself	
59	Manan sharma	6354880284	B.tech	Yourself	
60	Patel Aum Alpeshbhai	7359869571	B.tech	Yourself	

61 Jasish Kumar sah 9546640095 diploma collage bus 

62 Dave Heli 8799318864 Diploma collage bus 



## Swarnim Startup & Innovation University Visit of Vibrant Gujarat Summit, 2024

<b>Institute / Department</b>	Science and Humanities, SIT
<b>Activity / Event Name</b>	Visit of Vibrant Gujarat Summit ,2024
<b>Date of the event</b>	21/12/2023
<b>Duration</b>	4 hours
<b>Participant's Branch/Institutes</b>	1 <sup>st</sup> Year B.Tech. and 1 <sup>st</sup> Year Diploma Students
<b>Total Number of Participants</b>	46
<b>Name of Mentor/Principal</b>	Dr. Jayant Shekhar
<b>Name of Speaker / Guest</b>	-
<b>Faculty Coordinator Details (Name, Designation, Contact Details)</b>	Mr. Kalpesh Pandya Assistant Professor Science and Humanities Department, SIT. Email. Hod.general@swarnim.edu.in
<b>Student Coordinator Details (If any)</b>	Jigar Parmar B.Tech Sem 1



### **Objective of the event:**

1. Gain firsthand exposure to the business environment and investment opportunities in Gujarat.
2. Understand the government policies and initiatives aimed at promoting economic growth and development.
3. Interact with industry experts, policymakers, and entrepreneurs to learn about emerging trends and best practices.
4. Explore potential career opportunities and networking prospects.

### **Significance/Outcome:**

Participating in Vibrant Gujarat 2024, held at Gandhinagar, has been a significant milestone for the students of Swarnim Institute of Technology. This prestigious event provided a platform for students to engage with industry leaders, policymakers, and innovators from around the world. The outcomes of this participation are multifaceted and impactful, shaping the future trajectory of the students and the institution alike.

- **Exposure to Industry Leaders:** By attending Vibrant Gujarat 2024, students had the opportunity to interact directly with prominent figures in various industries. Engaging in discussions and networking sessions with these leaders provided invaluable insights into industry trends, challenges, and opportunities. This exposure broadened the students' perspectives and deepened their understanding of real-world business dynamics.
- **Networking Opportunities:** Participation in the event facilitated networking opportunities for students to connect with potential mentors, collaborators, and future employers. Building professional relationships with industry experts and fellow attendees opens doors to internships, job placements, and collaborative projects, enhancing students' career prospects and professional development.
- **Showcasing Innovation:** Vibrant Gujarat 2024 served as a platform for Swarnim Institute of Technology students to showcase their innovative projects, research,

and technological advancements. Presenting their work alongside established companies and research institutions not only garnered recognition for their achievements but also positioned the institution as a hub for innovation and excellence.

- **Inspiration and Motivation:** Witnessing the scale and impact of the initiatives presented at Vibrant Gujarat 2024 inspired students to aspire for greater heights in their academic and professional pursuits. Exposure to groundbreaking innovations and success stories served as a source of motivation, encouraging students to push boundaries, explore new ideas, and strive for excellence in their chosen fields.
- **Learning from Diverse Perspectives:** The event provided a platform for students to gain insights from diverse perspectives, including global best practices, emerging trends, and cross-disciplinary collaborations. Exposure to a wide range of ideas and approaches fosters critical thinking, creativity, and adaptability, equipping students with the skills and knowledge needed to thrive in a rapidly evolving global landscape.
- **Contribution to Institution's Reputation:** Swarnim Institute of Technology's participation in Vibrant Gujarat 2024 reflects its commitment to fostering innovation, entrepreneurship, and industry-academia collaboration. The institution's presence at such a prestigious event enhances its reputation as a forward-thinking educational institution dedicated to preparing students for success in the dynamic world of technology and business.

## **Conclusion:**

- The visit to Vibrant Gujarat 2024 held at Gandhinagar by students of Swarnim Institute of Technology was an enriching and enlightening experience. As



participants, we had the opportunity to witness firsthand the dynamism and vibrancy of Gujarat's economic landscape, as well as its immense potential for growth and development.

- Throughout the summit, we engaged with industry leaders, policymakers, and entrepreneurs, gaining valuable insights into various sectors ranging from manufacturing and technology to healthcare and renewable energy. The interactive sessions, exhibitions, and networking opportunities provided us with a holistic understanding of Gujarat's strengths and opportunities, inspiring us to contribute meaningfully to the state's progress in the future.
- Moreover, the visit deepened our appreciation for the proactive initiatives undertaken by the Gujarat government to foster investment, innovation, and sustainable development. We were particularly impressed by the emphasis on inclusive growth, entrepreneurship, and skill development, which align closely with our aspirations as future professionals.
- As students of Swarnim Institute of Technology, this experience has not only broadened our horizons but has also instilled in us a sense of responsibility to leverage our knowledge and skills for the betterment of society. We are eager to apply the learnings from Vibrant Gujarat 2024 in our academic pursuits and future endeavors, contributing to Gujarat's journey towards becoming a global economic powerhouse.
- In conclusion, the visit to Vibrant Gujarat 2024 has been a transformative experience, equipping us with insights, inspiration, and a renewed sense of purpose. We extend our gratitude to the organizers of the summit and look forward to playing our part in Gujarat's continued growth and prosperity.

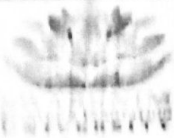
## **Photographs:**

(Paste the 5-6 photographs here)









List of attendess of Vibrant Gujarat Summit 2024

Sr.No.	Branch	Name	Signature
1	B.Tech	Pranav Jigan	[Signature]
2	Diploma	Ranil dhurmi	[Signature]
3	B.Tech	Seemay Tukshi	[Signature]
4	Diploma	Rohan Patel	[Signature]
5	Diploma	Deep Patel	[Signature]
6	Diploma	Nitya Patel	[Signature]
7	Diploma	Singh Pathod	[Signature]
8	Diploma	Mayan Singh Pathod	[Signature]
9	BBA	Ravi	[Signature]
10	DHA	Dipak Ram	[Signature]
11	BCIA	Parshant Singh	[Signature]
12	BCA	Rohan Mishra	[Signature]
13	BCA	Hemant Kothari	[Signature]
14	BBA	Dyush Patel	[Signature]
15	BBA	Diyu Jangid	[Signature]
16	MBA	Ravi Desi	[Signature]
17	MBA	Shah Jatin	[Signature]
18	DHA	Harsh Modi	[Signature]
19	MBA	Shash Prishit	[Signature]
20	MBA	Wiley Gunkun	[Signature]
21	MBA	VAISHALI MAHAREYA	[Signature]
22	BBA	Pooja Gubalsh	[Signature]
23	BBA	Sophiya Singh	[Signature]
24	MBA	Taraji Jay	[Signature]
25	BBA	Ghodwari Shubham	[Signature]
26	Chemical	Dilip Jaiswal	[Signature]
27	Diploma	Ravi Mehta	[Signature]
28	B.Tech	Chandra naranjan	[Signature]
29	Diploma	AVASH BARNIVAL	[Signature]
30	Diploma	Gujin Kumar Sady	[Signature]
31	Diploma	Bishal Shah	[Signature]
32	MBA	MAYUR DAVAT	[Signature]
33	MBA	Nidhi Pandya	[Signature]
34	MBA	Pratik Chaudhary	[Signature]
35	MBA	MAVIA Heer	[Signature]
36	BCA	Pandey Dinesh	[Signature]
37	MBA	ZAHED ALVI	[Signature]
38	MSC	MUSA Abdulaziz	[Signature]