





**5.1.3**

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology**




**Shri Manibhai Virani & Smt. Navalben Virani Science College (Autonomous) Rajkot**  
Zone-94, College Code: 21, E.Gyan No.: 231



**Introduction and Launching of SSIP-2.0 program**  
(As a part of celebration of the Start-up week)  
Jointly organised  
by  
**Shri Manibhai Virani & Smt. Navalben Virani Science College**  
and  
**Education Department, Government of Gujarat**  
(Reference: SSIP Cell - Gujarat Knowledge Society E-mail dated 12/01/2022)

**ACTIVITY REPORT**

Date	Time	Event	Mode	Number of Participants
13 <sup>th</sup> January 2022	11:30 AM to 11:45 AM	Inaugural virtual message by Shri S. J. Haider Hon. Principal Secretary, Education Department, Government of Gujarat, Gandhinagar.	Online on Zoom Platform <a href="https://us02web.zoom.us/j/81877138184">https://us02web.zoom.us/j/81877138184</a>	Principal, SSIP Coordinator and 125 Students (App.)
13 <sup>th</sup> January 2022	11:50 AM to 12:40 PM	Principal Address: - Journey of Institute during the period of SSIP 1.0 (2018-21) and success story of PoC - Introduction and insights of the SSIP 2.0 - Integration of Concept to Practice course with SSIP & Innovation Club - Brief of road map - Acknowledgment for SSIP scheme	Offline, Digital AVI Room, First Floor (Covid-19 SOP was followed)	SSIP Coordinator, Departmental Coordinators and 58 Students of Semester- I, IV and VI
17 <sup>th</sup> January 2022		Video film on SSIP 2.0 <a href="https://youtu.be/tGuB_SYsCUU">https://youtu.be/tGuB_SYsCUU</a>	Online- MS Teams (GOG)	
17 <sup>th</sup> January 2022	4:00 PM to 4:50 PM	SSIP Coordinator Address: - Objectives of SSIP - Comparison of the SSIP 1.0 with SSIP 2.0 - Innovation Club functioning at the institute - Detailing of Concept to Practice and its relevance to the SSIP scheme	Online- MS Teams (GOG)	172 Students of Semester- IV and VI



Page 1 of 2



**Shri Manibhai Virani and Smt. Navalben Virani Science College**  
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
NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

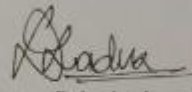
**Outcome/Impact:**

- Total Two hundred and thirty (230) students of Semester I, Semester IV and Semester VI were sensitized and made aware of the SSIP and Innovation Cell
- Concept to Practice is a part of curriculum of the institute which spreaded in four semesters as Identification of the problem, Ideation, Prototype-1 and Prototype-2 is in direct relation with the goals of SSIP.
- During our discussion with the students one of the budding entrepreneur was identified as he was working on the problem of controlled dispensing of liquid from the container and by our discussion with him other students were encouraged and motivated to become an entrepreneur.

  
SSIP Coordinator



Date: 18-01-2022

  
Principal  
Shri Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.

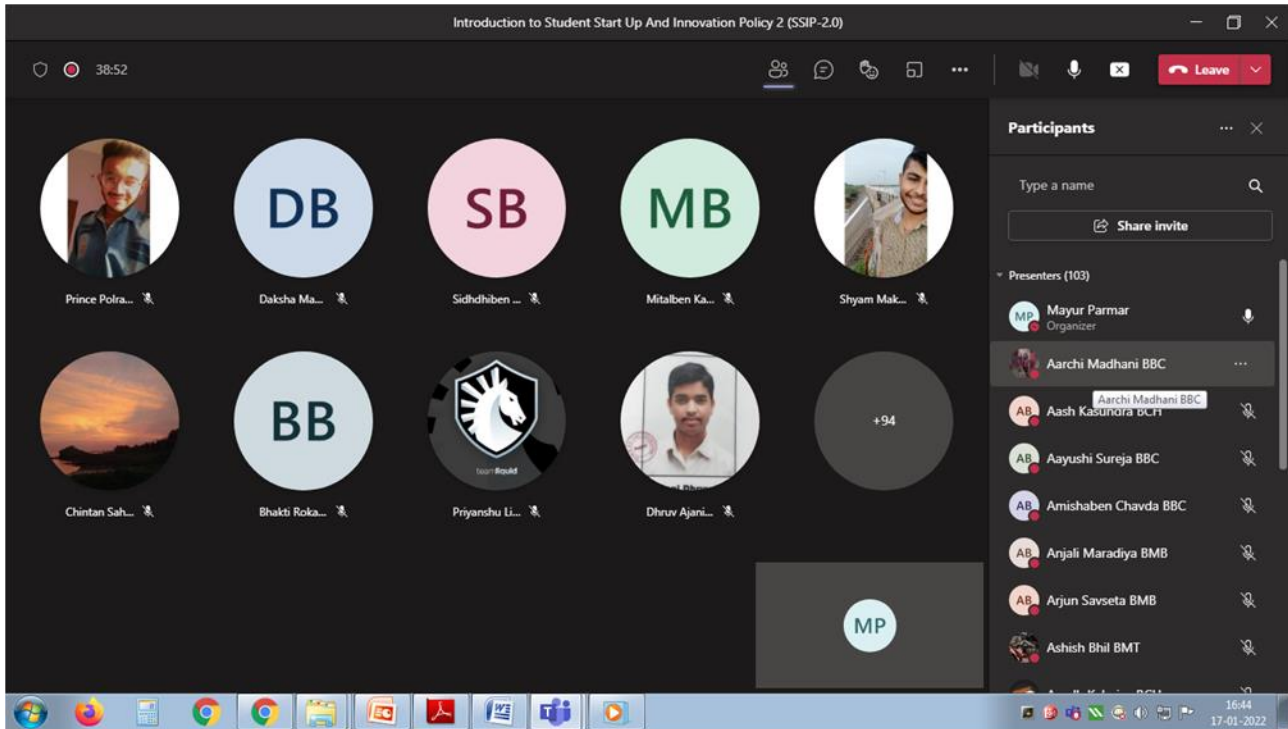


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**Criterion- V**

**Metric - 5.1.3**





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Criterion- V

Metric - 5.1.3

Shri M. & N. Virani Science College (Autonomous)  
SSIP Awareness Programme - List of Participants  
Date: 08/10/2021

Sr No	Student Name	Class
1	Adroja Yash Kantilal	F.Y. B.Sc.
2	Bhimani Araju Pravinbhai	F.Y. B.Sc.
3	Bhimani Raj Jasmatbhai	F.Y. B.Sc.
4	Bhoraniya Avadhkumar Prakashbhai	F.Y. B.Sc.
5	Chauhan Shubham Kirtikumar	F.Y. B.Sc.
6	Dobariya Raj Jayantibhai	F.Y. B.Sc.
7	Gadara Keyur Shantibhai	F.Y. B.Sc.
8	Gadhiya Kyana Manishbhai	F.Y. B.Sc.
9	Gambhava Yash Sureshbhai	F.Y. B.Sc.
10	Gohel Nidhi Jitenbhai	F.Y. B.Sc.
11	Gopani Shyam Kantilal	F.Y. B.Sc.
12	Goswami Krishgiri Mukeshgiri	F.Y. B.Sc.
13	Halvadiya Karan Brijeshbhai	F.Y. B.Sc.
14	Harsoda Aevanshi Dineshbhai	F.Y. B.Sc.
15	Jadeja Arjunraj Anuruddhasinh	F.Y. B.Sc.
16	Jakhotra Jigar Hardasbhai	F.Y. B.Sc.
17	Jani Ishakumari Bhaveshbhai	F.Y. B.Sc.
18	Kacha Sujal Anilbhai	F.Y. B.Sc.
19	Kapuriya Yash Chandresh	F.Y. B.Sc.
20	Karkar Jalak Ashokbhai	F.Y. B.Sc.
21	Kasundra Prince Ramesh Bhai	F.Y. B.Sc.
22	Khant Prince Rasikbhai	F.Y. B.Sc.
23	Makwana Gordhan Prabhatbhai	F.Y. B.Sc.
24	Marakana Yashkumar Bhupatbhai	F.Y. B.Sc.
25	Markana Yash Vipulbhai	F.Y. B.Sc.
26	Monpara Havan Lalitbhai	F.Y. B.Sc.
27	Morasada Nikunj Rajeshbhai	F.Y. B.Sc.
28	Odedara Rahul Karsanbhai	F.Y. B.Sc.
29	Pan Yash Arvindbhai	F.Y. B.Sc.
30	Pansuriya Vrushti Hareshbhai	F.Y. B.Sc.
31	Parmar Dilip Parbat	F.Y. B.Sc.
32	Parsana Akshay Jagdishbhai	F.Y. B.Sc.
33	Parsana Parth Dineshbhai	F.Y. B.Sc.
34	Patel Rashminkumar Dalsukhbhai	F.Y. B.Sc.
35	Popat Tej Kumarbhai	F.Y. B.Sc.





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Metric - 5.1.3

Shri Manibhai Virani Science College (Autonomous)  
SSIP Awareness Programme - List of Participants  
Date: 08/10/2021

Sr No	Student Name	Class
36	Rachhadiya Dhruvkumar Trilokhbhai	F.Y. B.Sc.
37	Rajpurohit Surendrasinh Durgasinh	F.Y. B.Sc.
38	Ramani Daksh Arvindbhai	F.Y. B.Sc.
39	Rathod Arman Arifbhai	F.Y. B.Sc.
40	Rathod Bhagirathsinh Dolatsinh	F.Y. B.Sc.
41	Rathod Mohit J	F.Y. B.Sc.
42	Rupareliya Umang Dineshbhai	F.Y. B.Sc.
43	Sadavrati Ditsa Hiteshkumar	F.Y. B.Sc.
44	Sangadiya Arshil Vinodbhai	F.Y. B.Sc.
45	Sangadiya Tushal Hasmukhbhai	F.Y. B.Sc.
46	Shekhada Het Girdharbhai	F.Y. B.Sc.
47	Sindhav Jay Rajubhai	F.Y. B.Sc.
48	Sirja Keval Rajnishbhai	F.Y. B.Sc.
49	Thakar Dhruv Vijaybhai	F.Y. B.Sc.
50	Thummar Bhaunit Rajeshbhai	F.Y. B.Sc.
51	Tilara Nancy Rajnikant	F.Y. B.Sc.
52	Timbadiya Divy Mansukhbhai	F.Y. B.Sc.
53	Umretiya Akshit Jagdishbhai	F.Y. B.Sc.
54	Vaghela Alpa Karshanbhai	F.Y. B.Sc.
55	Vaishnani Jasmin Hemendrabhai	F.Y. B.Sc.
56	Vala Tejas Sureshbhai	
57		
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60		

Resource Person & Coordinator: Dr. Pratik Ambasana  
Pratik Ambasana  
08/10/2021



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Criterion- V

Metric - 5.1.3

Shree M. & N. Virani Science College (Autonomous), Rajkot  
SSIP Awareness Programme 213

Class: M.Sc. Chemistry Sem-1 Date: 09/10/2021

Sr no	Name of Student / Participant	Signature
1	ADROJA DIVYESH DINESHBHAI	Adroja
2	AGHERA MANANKUMAR VIJAYBHAI	Aghera
3	BAMANIYA AJAY DEVABHAI	Ajay
4	BARAD ANJANABEN ARAJANBHAI	Barad
5	BARAD KANAKSINH BHUPATBHAI	K. Saneet
6	BHADANIA RAVI MAHENDRABHAI	Bhadania
7	BHANDERI HARSHKUMAR DILIPBHAI	Bhanderi
8	BHIMANI AARTIBEN HARSUKHBHAI	Bhimani
9	BHIMANI YASH JAGDISHBHAI	Yash
10	BHUT VASU SANDIPBHAI	Bhut
11	BORAD ROHIT GANDUBHAI	Borad
12	BUMTALIA USHMA N.	Ushma
13	BUSA SARTHAK BHIMJIBHAI	Busa
14	CHHAIYA KISHANBHAI BHIKHUBHAI	Chhaiya
15	CHHATRALA PRITKUMAR RAMESHBHAI	Chhatrala
16	CHORERA MEET VINESHBHAI	Chorera
17	DANGAR DHAVALKUMAR DEVANANDBHAI	Dangar D. D.
18	DELVADIYA VIRENKUMAR SURESHBHAI	Delvadiya
19	DEVARIYA SHYAM RASIKBHAI	Devariya
20	DHAMELIYA BHUMIT YOGESHKUMAR	Dhameliya
21	DHOKIA DHRUV JAYESHKUMAR	Dhokia
22	DONGA MITKUMAR GOPALBHAI	Donga
23	DUDHATRA GRECY GOVINDBHAI	Dudhatra
24	DUDHATRA KEVAL BHARATBHAI	Dudhatra
25	FACHARA DHRUV HITESHBHAI	Fachara
26	FALDU RONAK RAJESHBHAI	Faldu
27	FEFAR RADHIKA CHIMANBHAI	Fefar
28	GADARA AYUSH RAMESHBHAI	Gadara
29	GADARA ROMISH VIRJIBHAI	Gadara
30	GADHAVI NIYATI KISHANDAN	G. N. K.

Parbun...



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Criterion- V

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Shree M. & N. Virani Science College (Autonomous), Rajkot  
SSIP Awareness Programme

Class: M.Sc. Chemistry Sem-I Date: 09/10/20

Sr no	Name of Student / Participant	Signature
31	GAJERA NIMISH PARSOTAMBHAI	
32	GAJERA SAVANKUMAR RAJESHBHAI	
33	GHETIYA BHAGYESH DEVJIHAI	
34	GONDALIYA RONAK BHAVESHBHAI	
35	GOSAI RIDDHIBEN JAYESHBHAI	
36	HINSU JALPABEN MAHESHBHAI	
37	HIRANI PRATIKKUMAR NITESHBHAI	
38	HIRPARA SANKETKUMAR BHARATBHAI	
39	JIVANI PARAS RASIKLAL	
40	JIVANI SACHIN ARVINDBHAI	
41	JOSHI BHARGAV PARESHKUMAR	
42	JOSHI HEMANGI NEERAJBHAI	
43	KACHA AKASH RAMESHBHAI	
44	KALAVADIYA ARMY ASHOKBHAI	
45	KALAVADIYA HEPIKUMAR NARSHIBHAI	
46	KAMANI VIVEK BHARATBHAI	
47	KANSAGRA MANSI ARVINDBHAI	
48	KATHIRIYA SMIT RASIKBHAI	
49	KHACHAR VISHWAJEETBHAI UMEDBHAI	
50	KHANDHAR JAY DILIPBHAI	
51	KHANT PARTHKUMAR KARSHANBHAI	
52	KHANT SUMAN ANILBHAI	
53	KHER SANJAYBHAI DEVABHAI	
54	KODINARIYA BRIJESH SANJAYBHAI	
55	KOTHIYA JENISH NILESHBHAI	
56	KUMARKHANIYA HEMAXI J.	
57	LILA KISHAN VIDYABHAI	
58	MAKAVANA CHANDRIKABEN MOTIBHAI	
59	MARADIYA FENABEN DILIPBHAI	
60	MARAKANA SURAJ MANSUKHBHAI	

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Criterion- V

Metric - 5.1.3

Shri M. & N. Virani Science College (Autonomous), Rajkot  
SSIP Awareness Programme

Class: M.Sc. Chemistry Sem-I Date: 09/10/21

sr no	Name of Student / Participant	Signature
61	MARAVANIYA JENIL VINODHBHAI	Jenil
62	MEHTA NANDANI KALPESHKUMAR	UKM
63	MOLIYA PARTH AMITKUMAR	Part
64	MORI PRIYAL SANJAYBHAI	Priya
65	MORI SUHASI ANIRUDDHSINH	Mori
66	MOVALIYA ROHAN JITESHBHAI	Rohan
67	PAGHDAL VEDANSHI CHETANBHAI	Vedanshi
68	PANELIYA JAIMIN JAYSUKHBHAI	Jaimin
69	PARMAR URVISHABEN RAMSINHBHAI	Urvisha
70	PATANVARIYA HARSHAL VINODHBHAI	Harshal
71	PATEL DIPTI BHIKHABHAI	Dipti
72	PATHAK YASHKUMAR ASHWINBHAI	Yash
73	PETHANI RUTIKKUMAR MUKESHBHAI	Rutika
74	PETHANI YASHKUMAR ASHVINBHAI	Yash
75	PITHIYA KARSHANKUMAR NARANBHAI	P.K.M
76	PRAJAPATI LALIT OMPRAKASH	Lalit
77	RACHHADIYA KEVAL CHANDUBHAI	Keval
78	RAIYANI NIRALI RAMNIKBHAI	Nirali
79	RAMANI BHAVIN CHANDUBHAI	Bhavin
80	RANGANI DARSHIK JAGDISHBHAI	Darshika
81	RANGANI HARDIKKUMAR KANJIBHAI	Hardik
82	RANGANI HARSHIT RASIKBHAI	Harshit
83	RATHOD VAISHALIBEN KESHUBHAI	Vaishali
84	SANGANI MANALIBEN KAMLESHBHAI	Manali
85	SANKHAVARA YASH	Yash
86	SARADVA JAYKUMAR MAHENDRABHAI	Jaydev
87	SAVANT KHUSHI	K.Y.Savant
88	SETA SUHASI MANISHBHAI	Seta
89	SODHA NEVIL MANSUKHBHAI	Nevil M.S
90	SOLANKI NITIN KARSHANBHAI	Nitin

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NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

Shree M. & N. Virani Science College (Autonomous), Rajkot  
SSIP Awareness Programme

Class: M.Sc. Chemistry Sem-I Date: 09/10/21

Sr no	Name of Student / Participant	Signature
91	SOLANKI SAMIR ANVARIBHAI	Solanki
92	TERAIYA KRUNAL PANKAJIBHAI	Krunal
93	THAKRAR PUNIT BHARAT	Punit Bt
94	THAKRAR RAJ DELIP BHAI	Raj
95	THUMAR PRIYANK ASHOKBHAI	Priyank
96	VADHER MANOJKUMAR DINESHBHAI	manohar m.p.
97	VADHER SUNIL KHMJIBHAI	V.S.K.
98	VAGHELA KAUSHAL ASHWINBHAI	Kaushal
99	VAGHELA SIDDHARTH MAHESHBHAI	Siddharth
100	VALA JAYRAJ BAHADURSINH	J.B. Vala
101	VANIYA KINJAL PARBATBHAI	Kinjal
102	VAROTARIYA SAGARBHAI JODHABHAI	S. J. Varotariya
103	VIRAMGAMA PINALIBEN VINODBHAI	Pinaliben
104	WADHER PUNIT BHARATBHAI	Punit Bt
105	ZANKAT PRAGNABEN VARSINGBHAI	Pragnaben
106	Juviya Ronak Hareeshbhau	Ronak
107	Depani Banti J.	Banti
108	Pugheluzi samket R.	Samket
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Dr. Pratik Ambasana p. Ambasana 09/10/21



**Shri Manibhai Virani and Smt. Navalben Virani Science College**  
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Criterion- V

Metric - 5.1.3

Shree M. & N. Virani Science College (Autonomous), Rajkot		
SSIP Awareness Programmes		
Class: B.Sc. Biochemistry Semester- I		
Sr. No.	Name of Student/Participant	Signature
1	Dhruvi Chauhan	
2	Mondal Rashmipriya	
3	Pachami Masti	
4	Debnajid Hitiksha	
5	Shah Twinkle	
6	Blatt Nidhi	
7	Hadiyal Nidhi	
8	Mehta Yatri	
9	Bargda Ankita	
10	Vaghela mitul	
11	VaJai Jansi	
12	Veema Ankita	
13	Janiya Almi D.	
14	Mahani mansi D.	
15	Soniya Payal J.	
16	Soniya Ankita M	
17	Suriya Ankita J.	
18	Hingorajgiya Zasma	
19	Ghosriha Mitali	
20	Chavara Sakshi	
21	Hinsu Anandi	
22	Kavani Disha	
23	Nagarani Anam	
24	Vayeda Kunti	
25	Pandya Shrutii	
26	Kasundra priya	
27	Boda Bansi	
28	Kavani Poojeshri	
29	Bapochra Anushi T	



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30	Fafan Maulik Bhaveshbhai	N.B Patel
31	Aditya Prince Rajnikantbhai	Pooja
32	Kaila Parth Bipin	Pooja
33	DEVMURARI KHUSHAL	J.
34	Chandeguz Abhishek	AB
35	Rathod Akshat	AB
36	Gosivadiya Devam	J.
37	Jadeja Ravirajsinh	AB
38	Singhani Pratik	J.
39	Dhaval Parmar	AB
40	Thaker Yash	Yash
41	Gajera Harshii	Qu.
42	Kozat Vidhi	Qu.
43	Heer Pambhan	HEER
44	Riya Kalola	Riya
45	Krishna Garasiya	AB
46	Zalak Tarangadiya	Zalak
47	Valsi Hemangi K.	Hemangi
48	Rathod Khushiba G	Khushirathod
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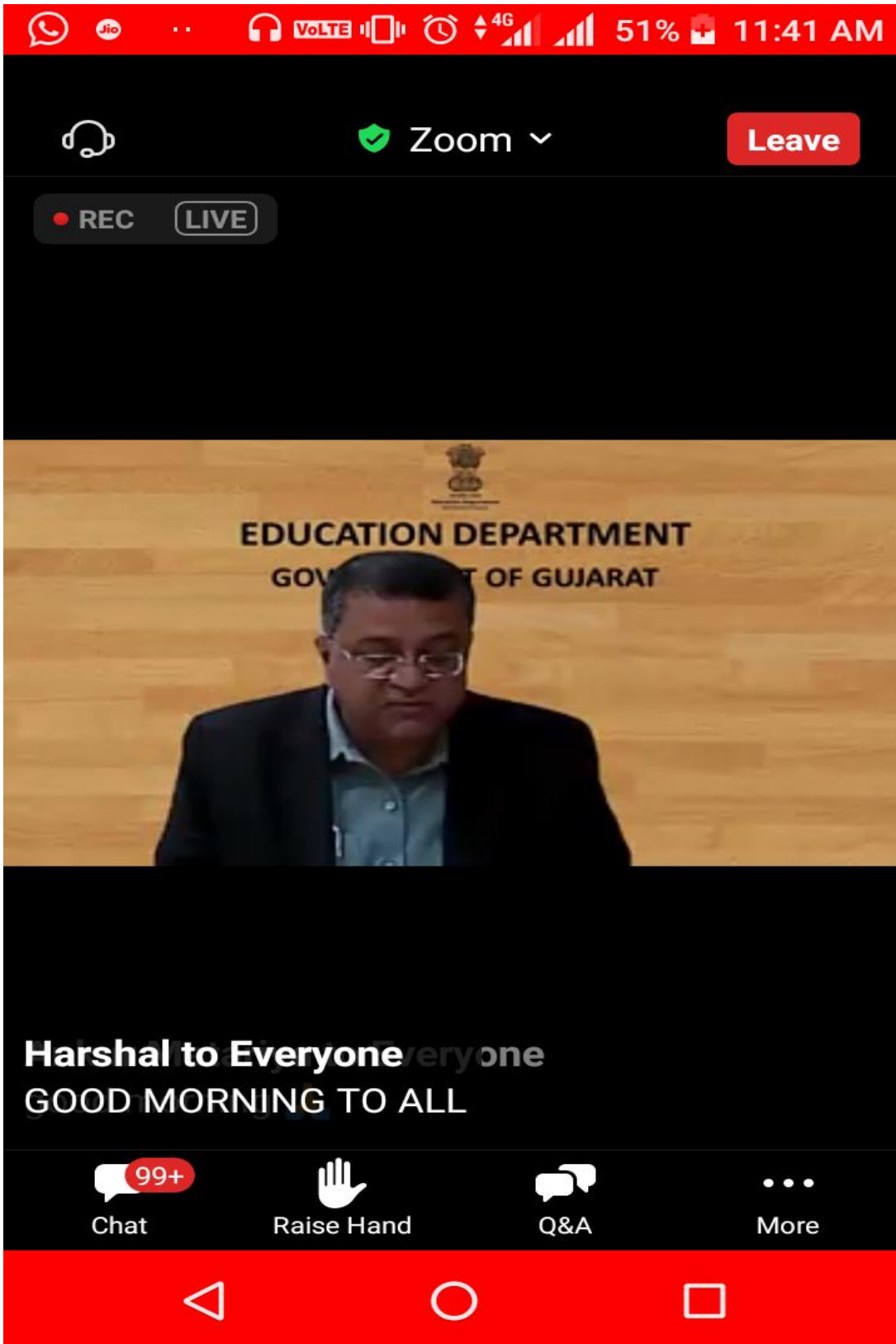



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Criterion- V

Metric - 5.1.3



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		Criterion- V
		Metric - 5.1.3

**Course: Concept to Practice**  
**Semester 1 to 3**  
**Program: B.Sc Chemistry, B.Sc. Mathematics, B.Sc. Biochemistry, B.Sc. Microbiology**

**C2P SUMMARY REPORT**

**About the course:**

Concept to practice is designed to promote new ideas, methodologies, principles, fundamentals and skills among students important to all disciplines. This basic level of training and experience will prepare students to take their new ideas to ground level and help society in any possible way. This course will benefit the students to learn planning and designing skills. Considering the regional characteristic of innovation and business in Gujarat, those students who wish to start new business will get basic training in planning and designing of business model and market analysis. Further, the training will help them to look for societal problems and to provide solution for the same.

The course is designed in line with NEP 2020 goals. In NEP 2020, one of the agenda was to promote creativity and critical thinking to encourage logical decision-making and innovation. Further, another principle of NEP projects life skills such as communication, cooperation, teamwork, and resilience among students. C2P has a coherence with above mentioned fundamental principles by NEP.

The course is designed and targets four thrust areas/domains. These areas some or other way also targets sustainable development goals. Thrust areas are given below:

- 1) Agriculture
- 2) Environment sustainability
- 3) Health & Wellness
- 4) Social immersion

Total of 369 students enrolled in this course during 2021-2023. Department wise distribution is given below.

Course	2021-2024	2022-2025	Total students
<b>B.Sc. Microbiology</b>	60	65	125
<b>B.Sc. Mathematics</b>	28	16	44
<b>B.Sc. Chemistry</b>	59	49	108
<b>B.Sc. Biochemistry</b>	48	44	92
<b>Grand total</b>	195	174	369

**Domain wise student distribution:**



In microbiology department majority of students selected Health & Wellness and Agriculture domain followed by environmental sustainability and social immersion. In Chemistry department majority of students opted for environment sustainability and health & wellness domains followed by agriculture and social immersion, while in mathematics department majority of students selected social immersion followed by agriculture and health & wellness. In biochemistry department, majority of students selected social immersion and agriculture followed by environment sustainability and health & wellness.

Some of the best C2P projects undertaken by students:

**1. Development of herbal toothpaste with improved properties and flavor**

People stay away from the ayurvedic toothpaste mainly due to two reasons. 1) Less effective 2) Lack of flavor and freshness. Therefore, this group is working on development of toothpaste which is not only effective but also with added menthol which will give flavor and freshness

**2. Agriculture waste utilization for the production of microbial enzyme**

There is increasing problem of waste dumping nowadays. In agriculture, waste is produced in bulk which sometimes causes pollution. These groups of students are working to utilize this waste for the production of microbial enzyme. This will not only reduce the waste but also will do economic benefit.

**3. Mulching technology for the effective growth of plant and to avoid weeds**

Weeds are a major problem in farm which will hinder the growth of crops leading to the economic loss. Mulching technology doesn't allow sun light to reach to weeds and hinders the growth of weeds.

**4. Edible cups to replace plastic**

Cups are prepared from edible material, can be used for several purpose to replace plastic.

**5. Awareness about Ayurvedic and allopathic medicine**

People sometimes use allopathic medicines too frequently where ayurvedic medicines can cure the symptoms. On the other side, some people rely on ayurveda even in emergency condition. Therefore, these C2P topics will aware people about both ayurveda and allopathy and their use.

**6. Organic fertilizer production from kitchen waste**

Increasing use of chemical fertilizer is biggest problem these days. Overuse of chemical fertilizer can give quick benefit but cause long term degradation effect on soil. Students prepared an organic fertilizer which upon adding in soil, plant gave better growth as compared to control.





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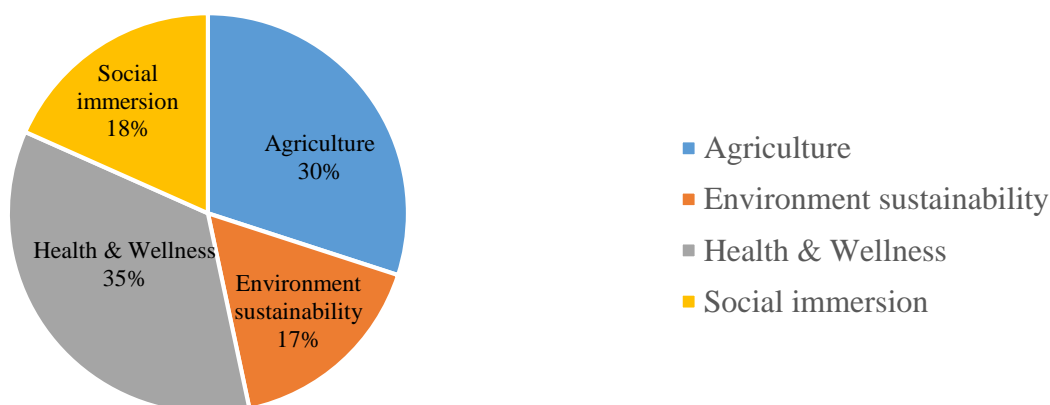
NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

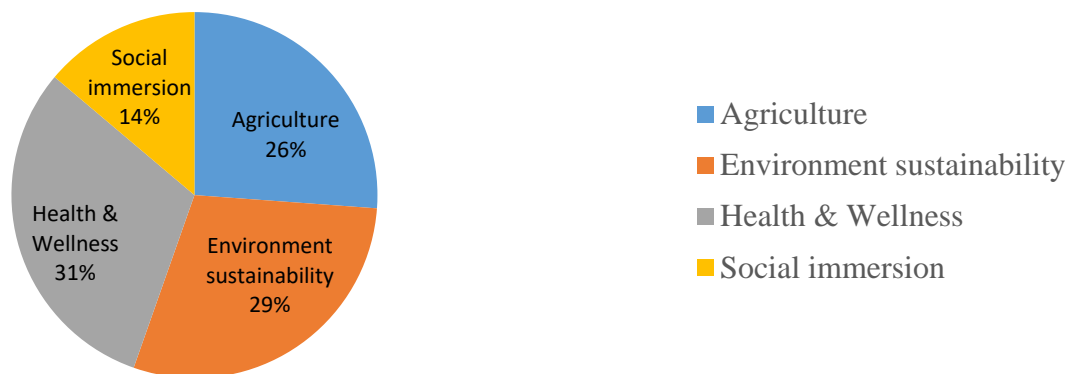
Domains	No. of students	% Students
Agriculture	18	30
Environment sustainability	10	16.66
Health & Wellness	21	35
Social immersion	11	18.33
Total students	60	100

Department of Microbiology (Batch 2021-24)  
Domain preference chart



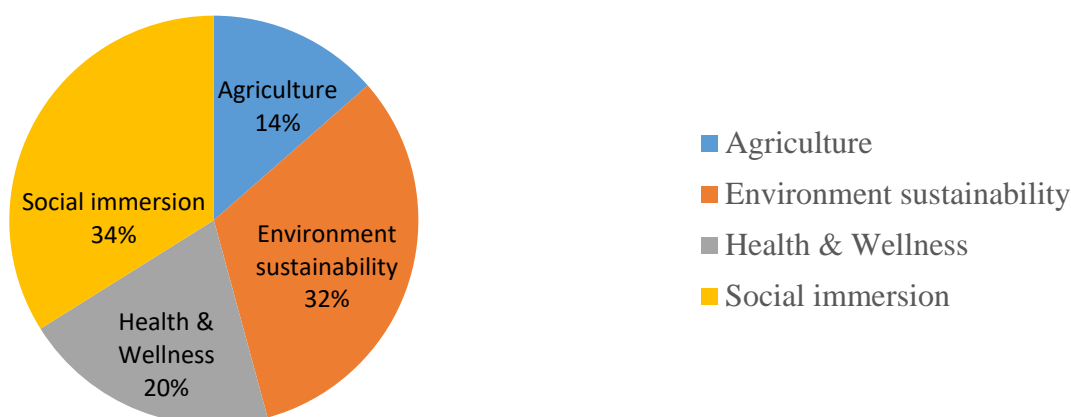


**Department of Microbiology (Batch 2022-25)**  
**Domain preference chart**

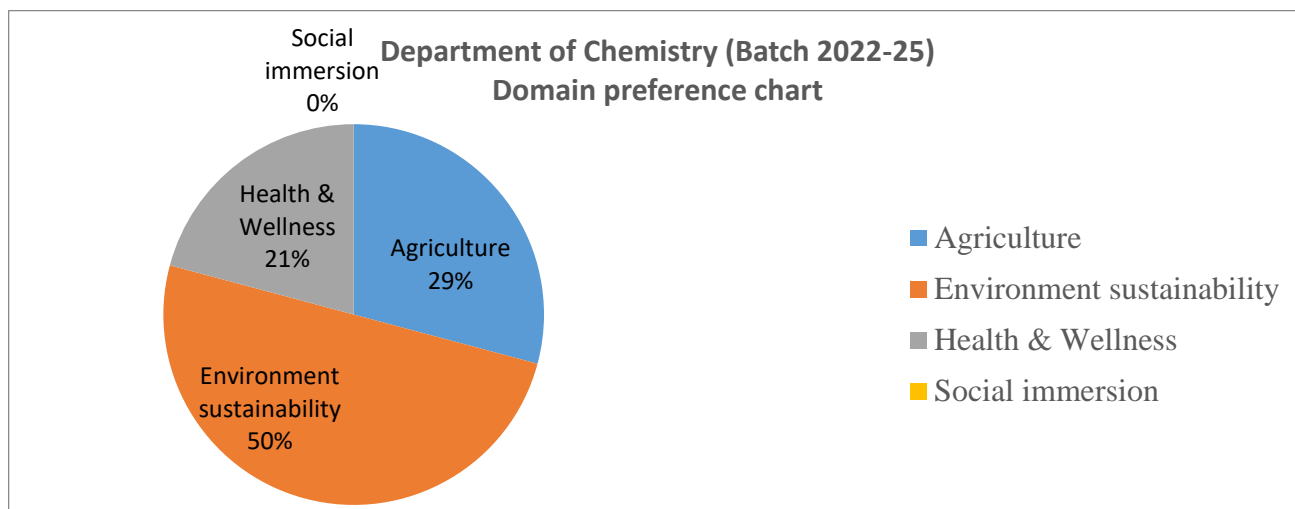


Domains	No. of students	% Students
Agriculture	17	26.15
Environment sustainability	19	29.23
Health & Wellness	20	30.76
Social immersion	9	13.84
Total students	65	100

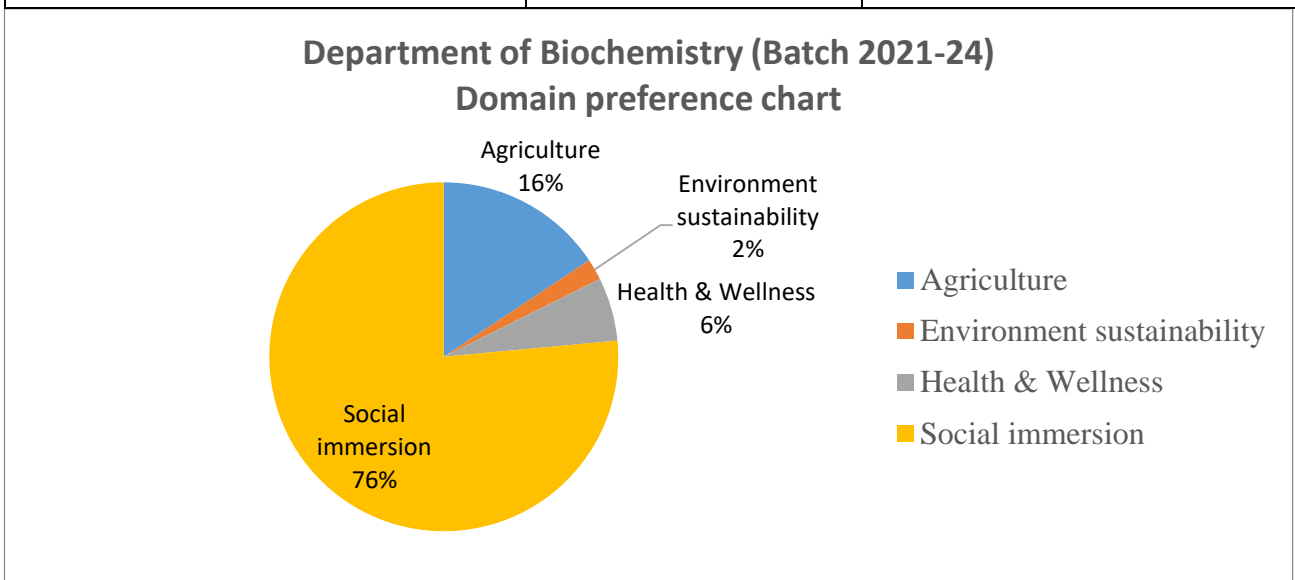
**Department of Chemistry (Batch 2021-24)**  
**Domain preference chart**



Domains	No. of students	% Students
Environment sustainability	8	13.55
Health & Wellness	19	32.2
Agriculture	12	20.33
Social immersion	20	33.89
Total students	59	100



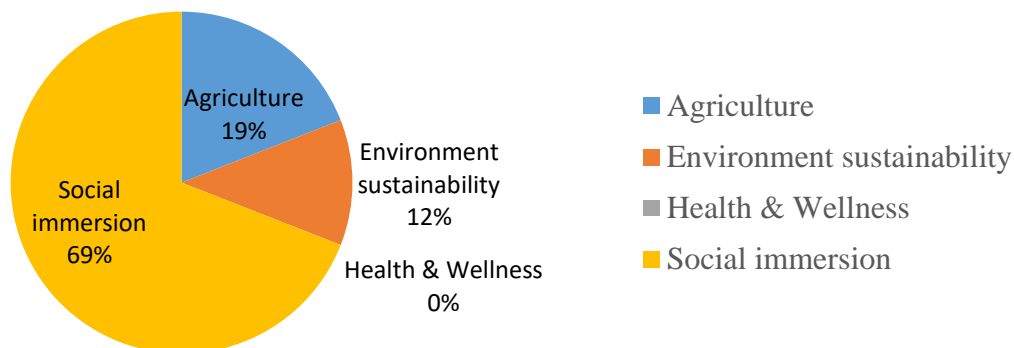
Domains	No. of students	% Students
Environment sustainability	24	50
Health & Wellness	10	20.83
Agriculture	14	29.16
Social immersion	0	0
Total students	48	100



Domains	No. of students	% Students
Agriculture	8	15.68
Environment sustainability	1	1.96
Health & Wellness	3	5.88
Social immersion	39	76.47
Total students	51	100

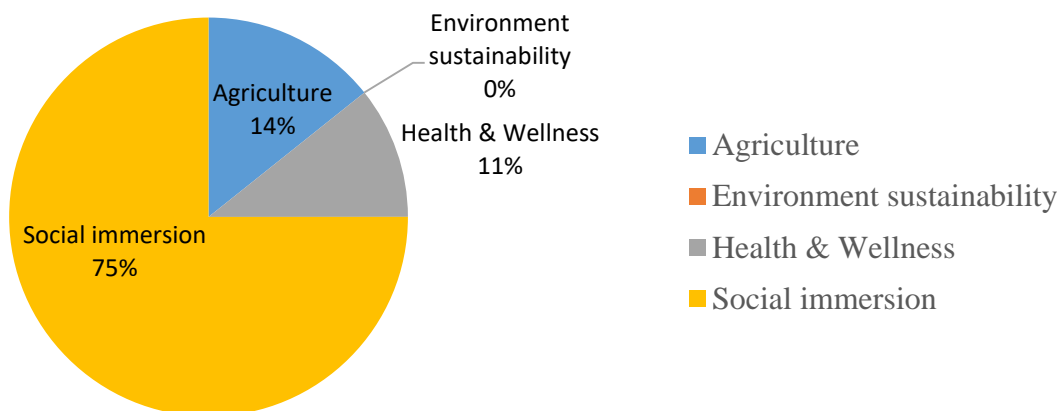


**Department of Biochemistry (Batch 2022-25)**  
**Domain preference chart**



Domains	No. of students	% Students
Agriculture	8	19.04
Environment sustainability	5	11.9
Health & Wellness	0	0
Social immersion	29	69.04
Total students	42	100

**Department of Mathematics (Batch 2021-24)**  
**Domain preference chart**

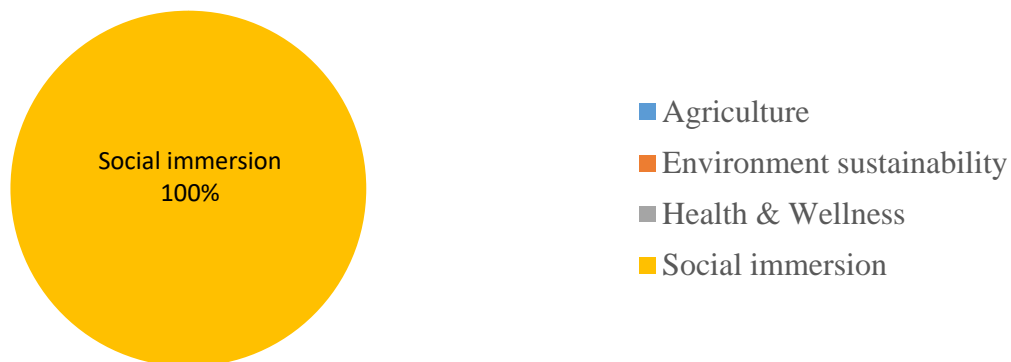


Domains	No. of students	% Students
Agriculture	4	14.28
Environment sustainability	0	0
Health & Wellness	3	10.71
Social immersion	21	75
Total students	28	100





**Department of Mathematics (Batch 2022-25)**  
**Domain preference chart**



<b>Domains</b>	<b>No. of students</b>	<b>% Students</b>
Agriculture	0	0
Environment sustainability	0	0
Health & Wellness	0	0
Social immersion	16	100
Total students	16	100



**Core Enrichment 1: Concept to Practice**

**Semester - I**

Course Title

Course Credit and Hours

**Concept to Practice**

**1 hrs/wk (T)**

**Course Description:**

This Course on concept to practice is intended to introduce ideas, methodologies, principles, fundamentals and skills that comprise a common knowledge base important to all disciplines. These fundamentals will foster a multidisciplinary design experience among students and will prepare them to move to the next level. It will provide the students with foundation and fundamentals of skills in design. The course will benefit applicants who have little or no training or experience in art and design and who wish to begin formal education in this field.

**Course Purpose:**


Concept to practice enables organizations to create lasting value for consumers. The process is useful in any complex system it:

- Aims to solve concrete human needs.
- Tackles problems ambiguous or difficult to define
- Leads to more innovative solutions.

**Course Outcomes:** Upon completion of this course, the learner will be able to

CO No.	CO Statement	Blooms taxonomy Level (K <sub>1</sub> to K <sub>6</sub> )
CO <sub>1</sub>	Understand problem identification, formulation and solution.	K2
CO <sub>2</sub>	Design an engineering solution to complex problems.	K3
CO <sub>3</sub>	Communicate with the community at large in written and oral forms	K3
CO <sub>4</sub>	Demonstrate a sound technical knowledge of their societal problems.	K2
CO <sub>5</sub>	Demonstrate the knowledge, skills, values and attitudes of professional graduates.	K3

Course Content	Hours
<b>Unit-I: Introduction to C2P</b>	<b>2 hrs</b>
<ul style="list-style-type: none"> <li>• Introduction to C2P, sensitization with activity</li> </ul>	
<b>Unit-II: Observation Canvas</b>	<b>3 hrs</b>

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		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

<ul style="list-style-type: none"> <li>• Segregation of Fields &amp; Teachers to the students</li> <li>• Observation canvas preparation</li> </ul>	
<b>Unit- III: Introduce the Empathy</b>	<b>4 hrs</b>
<ul style="list-style-type: none"> <li>• Case Study for difference between sympathy &amp; empathy</li> <li>• activity 6: integration with stakeholder</li> <li>• Empathy canvas preparation</li> </ul>	
<b>Unit- IV: Problem Identification</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>• Problem Identification Canvas preparation</li> <li>• Identification of 5 major problems</li> </ul>	
<b>Unit- V: Sustainable development goals (SDG)</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>• Introduction to SDG</li> <li>• Map the problems with SDGs</li> </ul>	

**Text books:**

1. Lockwood, T. (2010). *Design thinking: Integrating innovation, customer experience, and brand value*. Simon and Schuster.
2. Müller-Roterberg, C. (2021). *Design Thinking for Dummies*. HOEPLI EDITORE.

**Reference books:**

1. Brown, T. (2008). Design thinking. *Harvard business review*, 86(6), 84.
2. Liedtka, J. (2018). Why design thinking works. *Harvard Business Review*, 96(5), 72-79.
3. Razzouk, R., & Shute, V. (2012). What is design thinking and why is it important?. *Review of educational research*, 82(3), 330-348.


**Pedagogic tools:**

- Chalk and Talk
- Power point presentation
- Videos

**Methods of Assessment & Tools:**

Components of CIE: 20 marks

SN	Component	Content	Marks	Sub Total of marks
<b>A</b>	Attendance	Min. 80%	02	02
<b>B</b>	Canvases	1. Observation canvas, 2. Empathy canvas 3. Problem identification canvas	06 (02 marks per canvas)	06

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		<b>Metric - 5.1.3</b>

<b>C</b>	Conceptual objective test (MCQs)		05	05
<b>D</b>	Viva voce	Knowledge & understanding in chosen domain, Clarity about the execution	07	07
			<b>Grand Total</b>	20

<b>Core Enrichment 1: Concept to Practice</b>	
<b>Semester - II</b>	
Course Title	Course Credit and Hours
<b>Concept to Practice</b>	<b>1 hrs/wk (T)</b>

**Course Description:**

This Course on concept to practice is intended to introduce ideas, methodologies, principles, fundamentals and skills that comprise a common knowledge base important to all disciplines. These fundamentals will foster a multidisciplinary design experience among students and will prepare them to move to the next level. It will provide the students with foundation and fundamentals of skills in design. The course will benefit applicants who have little or no training or experience in art and design and who wish to begin formal education in this field.

**Course Purpose:**


Concept to practice enables organizations to create lasting value for consumers. The process is useful in any complex system it:

- Aims to solve concrete human needs.
- Tackles problems ambiguous or difficult to define
- Leads to more innovative solutions.

**Course Outcomes:** Upon completion of this course, the learner will be able to

<b>CO No.</b>	<b>CO Statement</b>	<b>Blooms taxonomy Level (K<sub>1</sub> to K<sub>6</sub>)</b>
CO <sub>1</sub>	Understand problem identification, formulation and solution.	K2
CO <sub>2</sub>	Design an engineering solution to complex problems.	K3



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CO <sub>3</sub>	Communicate with the community at large in written an oral form.	K3
CO <sub>4</sub>	Demonstrate a sound technical knowledge of their societal problems.	K2
CO <sub>5</sub>	Demonstrate the knowledge, skills, values and attitudes of professional graduates.	K3

Course Content	Hours
<b>Unit-I : Gap analysis of five major problems</b>	<b>2 hrs</b>
<ul style="list-style-type: none"> <li>Gap analysis of all five problems with all types of solutions</li> <li>preparation of gap analysis canvas</li> </ul>	
<b>Unit-II: ideation process</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>Detailed study of existing solutions of all five problems.</li> <li>Identify limitations in existing solutions and possibilities of improvement.</li> </ul>	
<b>Unit- III: solution analysis</b>	<b>4 hrs</b>
<ul style="list-style-type: none"> <li>Identify any one problem among the five based on the gap analysis.</li> </ul>	
<b>Unit- IV: Preparation of Solution</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>Gap analysis, study existing solutions and possible solutions for that one problem.</li> </ul>	
<b>Unit- V: Discussion on possible solutions.</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>Discussion internally with faculty members/industry personnel/stakeholder on possible solutions.</li> </ul>	

#### Text books:


- Von Thienen, J. P., Clancey, W. J., Corazza, G. E., & Meinel, C. (2018). Theoretical foundations of design thinking. In *Design thinking research* (pp. 13-40). Springer, Cham.

#### Reference books:

- Lupica, L. R., Franklin, T. A., & Friedman, S. M. (2017). The Apps for Justice Project: Employing Design Thinking to Narrow the Access to Justice Gap. *Fordham Urb. LJ*, 44, 1363.
- Kummitha, R. K. R. (2019). Design thinking in social organizations: Understanding the role of user engagement. *Creativity and innovation management*, 28(1), 101-112.

#### Pedagogic tools:

- Chalk and Talk
- Power point presentation
- Videos

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		Criterion- V
		Metric - 5.1.3

### Methods of Assessment & Tools:

Components of CIE: 20 marks

SN	Component	Content	Marks	Sub Total of marks
A	Attendance	Min. 80%	02	02
B	Canvases	4. Brain storming 5. Mind mapping 6. Scamper	06 (02 marks per canvas)	06
C	Conceptual objective test (MCQs)		05	05
D	Viva voce	Knowledge & understanding in chosen domain, Clarity about the execution	07	07
			<b>Grand Total</b>	20

### Core Enrichment 1: Concept to Practice

#### Semester - III

Course Title	Course Credit and Hours
<b>Concept to Practice</b>	<b>1 hrs/wk(T)</b>

#### Course Description:


This Course on concept to practice is intended to introduce ideas, methodologies, principles, fundamentals and skills that comprise a common knowledge base important to all disciplines. These fundamentals will foster a multidisciplinary design experience among students and will prepare them to move to the next level. It will provide the students with foundation and fundamentals of skills in design. The course will benefit applicants who have little or no training or experience in art and design and who wish to begin formal education in this field.

#### Course Purpose:

Concept to practice enables organizations to create lasting value for consumers. The process is useful in any complex system it:

- Aims to solve concrete human needs.
- Tackles problems ambiguous or difficult to define
- Leads to more innovative solutions.


**Course Outcomes:** Upon completion of this course, the learner will be able to

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		Metric - 5.1.3

CO No.	CO Statement	Blooms taxonomy Level (K <sub>1</sub> to K <sub>6</sub> )
CO <sub>1</sub>	Understand problem identification, formulation and solution.	K2
CO <sub>2</sub>	Design an engineering solution to complex problems.	K3
CO <sub>3</sub>	Communicate with the community at large in written and oral forms.	K3
CO <sub>4</sub>	Demonstrate a sound technical knowledge of their societal problems.	K2
CO <sub>5</sub>	Demonstrate the knowledge, skills, values and attitudes of professional graduates.	K3

Course Content	Hours
<b>Unit-I : Prototype 1(Fundamental) preparation</b>	<b>2 hrs</b>
<ul style="list-style-type: none"> <li>From problems selected in semester 2, they will develop prototype 1 (rough) by visiting the solution provider.</li> <li>Prototype 1 must be of fundamental type.</li> <li>Evaluate the prototype 1 based on various parameters (e.g. ergonomics, technology, cost, aesthetics, eco friendly, usefulness, customer friendly etc.)</li> </ul>	
<b>Unit-II: Evaluation of Prototype 1</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>Evaluation of Prototype based on ergonomics</li> <li>Evaluation of Prototype based on technology</li> <li>Evaluation of Prototype based on aesthetic</li> </ul>	
<b>Unit- III: Evaluation of Prototype 1</b>	<b>4 hrs</b>
<ul style="list-style-type: none"> <li>Evaluation of Prototype based on eco friendly</li> <li>Evaluation of Prototype based on usefulness</li> <li>Evaluation of Prototype based on customer friendly</li> </ul>	
<b>Unit- IV: Internal presentation of prototype 1</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>Evaluation of prototype 1 by internal and interdisciplinary faculty members by presentation / exhibition</li> <li>Re evaluate the prototype 1 based on feedback from faculty members</li> </ul>	
<b>Unit- V: Reevaluation of prototype 1</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>Visit the society</li> <li>Identify difference between your solution &amp; industries/ service provider</li> <li>Comparison of both the solutions &amp; resolve the shortfalls</li> <li>Feedbacks of industries/ service provider</li> </ul>	

**Text books:**

	<b>Shri Manibhai Virani and Smt. Navalben Virani Science College</b> An Autonomous college affiliated to Saurashtra University, Rajkot	<b>NAAC - Cycle-3</b>
		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

4. Von Thienen, J. P., Clancey, W. J., Corazza, G. E., & Meinel, C. (2018). Theoretical foundations of design thinking. In *Design thinking research* (pp. 13-40). Springer, Cham.

**Reference books:**

6. Lupica, L. R., Franklin, T. A., & Friedman, S. M. (2017). The Apps for Justice Project: Employing Design Thinking to Narrow the Access to Justice Gap. *Fordham Urb. LJ*, 44, 1363.
7. Kummitha, R. K. R. (2019). Design thinking in social organizations: Understanding the role of user engagement. *Creativity and innovation management*, 28(1), 101-112.

**Pedagogic tools:**

- Chalk and Talk
- Power point presentation
- Videos

**Methods of Assessment & Tools:**

Components of CIE: 20 marks

Sr. No.	Component	Marks	Sub Total
A	Prototype 1 preparation	4	4
B	Prototype evaluation based on ergonomics, technology, aesthetic	4	4
C	Prototype evaluation based on eco friendly, usefulness, customer friendly	4	4
D	Presentation of prototype 1	4	4
E	Comparison of prototype	4	4
<b>Grand Total</b>			<b>20</b>





**Core enrichment: Concept to Practice**

**Semester - IV**

Course Title	Course Credit and Hours
<b>Concept to Practice</b>	<b>1 hrs/wk(T)</b>

**Course Description:**

This Course on concept to practice is intended to introduce ideas, methodologies, principles, fundamentals and skills that comprise a common knowledge base important to all disciplines. These fundamentals will foster a multidisciplinary design experience among students and will prepare them to move to the next level. It will provide the students with foundation and fundamentals of skills in design. The course will benefit applicants who have little or no training or experience in art and design and who wish to begin formal education in this field.


**Course Purpose:**

Concept to practice enables organizations to create lasting value for consumers. The process is useful in any complex system it:

- Aims to solve concrete human needs.
- Tackles problems ambiguous or difficult to define
- Leads to more innovative solutions.

**Course Outcomes:** Upon completion of this course, the learner will be able to

CO No.	CO Statement	Blooms taxonomy Level (K <sub>1</sub> to K <sub>6</sub> )
CO <sub>1</sub>	Understand problem identification, formulation and solution.	K <sub>2</sub>
CO <sub>2</sub>	Design an engineering solution to complex problems.	K <sub>3</sub>
CO <sub>3</sub>	Communicate with the community at large in written and oral forms.	K <sub>3</sub>
CO <sub>4</sub>	Demonstrate a sound technical knowledge of their societal problems.	K <sub>2</sub>
CO <sub>5</sub>	Demonstrate the knowledge, skills, values and attitudes of professional graduates.	K <sub>3</sub>

	<b>Shri Manibhai Virani and Smt. Navalben Virani Science College</b> An Autonomous college affiliated to Saurashtra University, Rajkot	<b>NAAC - Cycle-3</b>
		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

<b>Course Content</b>	<b>Hours</b>
<b>Unit-I : Preparation of Improved Prototype 2 from prototype 1</b>	<b>2 hrs</b>
<ul style="list-style-type: none"> <li>• Collection of feedback from society and service provider for preparation of improved prototype 2</li> </ul>	
<b>Unit-II: prototype modification</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>• Prototype 1 Modification based on the feedback from society and service provider</li> </ul>	
<b>Unit- III: testing &amp; validation</b>	<b>4 hrs</b>
<ul style="list-style-type: none"> <li>• Prototype testing with different methods</li> <li>• redesign prototype testing(design modification)</li> <li>• feature prototype testing (feature modification)</li> <li>• function prototype testing(function modification)</li> <li>• Prototype Validation using Business model canvas (BMC)</li> </ul>	
<b>Unit- IV: Prototype feedback</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>• Preparation of questionnaire for taking feedback</li> <li>• collect feedback from faculty members, peers &amp; society</li> </ul>	
<b>Unit- V: Documentation for dissemination</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>• Prepare a report of activity from problem identification to prototype preparation.</li> <li>• Preparations of 3 fold folder/leaflet/handbill for dissemination &amp; distribution among society during community engagement.</li> <li>• Develop awareness about future prospect in the field of research/start up(entrepreneurship)/product development.</li> </ul>	

**Text books:**


5. Machida, H., & Kurachi, N. (1990). Prototype design and testing of the half toroidal CVT. In *International Congress and Exposition..*

**Reference books:**

8. Bland, D. J., & Osterwalder, A. (2019). *Testing business ideas: A field guide for rapid experimentation*. John Wiley & Sons.
9. Engel, A. (2010). *Verification, validation, and testing of engineered systems* (Vol. 73). John Wiley & Sons.

**Pedagogic tools:**


- Chalk and Talk
- Power point presentation
- Videos

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		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

**Methods of Assessment & Tools:**

Components of CIE: 40 marks

<b>Sr. No.</b>	<b>Component</b>	<b>Marks</b>	<b>Sub Total</b>
<b>A</b>	Prototype 2 preparation	10	10
<b>B</b>	Presentation of prototype 2	10	10
<b>C</b>	Report preparation	10	10
<b>D</b>	3 fold folder/leaflet	10	10
<b>Grand Total</b>			<b>40</b>

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		Criterion- V
		Metric - 5.1.3

<b>Course Name– FS- III- Career Acceleration Program</b>	<b>Credits</b>
<b>Component name: Communication Skills</b>	<b>Audit Course</b>

**Course Description:** Career Acceleration Program play a major role in the Student's rapid growth and skill enhancement. This program focuses on different core components such as Communication skills, Soft skills, Aptitude and Logical reasoning. These components carries various 21<sup>st</sup> century skills like Creativity, Critical thinking, Collaborative learning, Digital & Technological literacy along with Information literacy. To develop these skills in student's life from the early stage of under graduate term, this whole course is designed and being developed thoroughly as per the market demand in coming years.

- Course Purpose:**
- This course component serves the purpose of achieving Job Placement, Entrepreneurship, Research work, Study in abroad and in Competitive exam sector.
  - To make communication better and effective through series of activities
  - To achieve career relevant and life skills through practical activity based learning.

<b>Course Outcomes:</b> Upon completion of this course, the learner will be able to		
<b>CO No.</b>	<b>CO Statement</b>	<b>Blooms taxonomy Level (K<sub>1</sub> to K<sub>6</sub>)</b>
CO <sub>1</sub>	Remember the message coming through different communication channels	K <sub>1</sub>
CO <sub>2</sub>	Understand the message coming through different communication channels to think critically, logically and creatively	K <sub>2</sub>
CO <sub>3</sub>	Apply the knowledge, skills and judgment around human communication that facilitate their ability to work collaboratively with others	K <sub>3</sub>
CO <sub>4</sub>	Develop personality & right attitude through communication skills.	K <sub>3</sub>






<b>Course Content</b>	<b>Hours</b>
<b>Unit-I : Clarity of thoughts with Thinking process</b>	<b>04 hrs</b>
<ul style="list-style-type: none"><li>• Activity 1 : Ice Breaking Activity</li><li>• Activity 2 : Picture Description &amp; Puzzle Solving</li></ul>	
<b>Unit-II: Listening Skills</b>	<b>04 hrs</b>
<ul style="list-style-type: none"><li>• Activity 3 : Cultural/Mythological Audio clip Listening &amp; Presentation</li><li>• Activity 4 : Motivational Video clips Listening &amp; Presentation (Josh talks, Ted talk)</li></ul>	
<b>Unit- III: Reading Skills</b>	<b>04 hrs</b>
<ul style="list-style-type: none"><li>• Activity 5 : Reading Aloud Practice :News Article Reading</li><li>• Activity 6 : Reading Aloud Practice :Blog Reading</li></ul>	
<b>Unit- IV: Speaking Skills</b>	<b>08 hrs</b>
<ul style="list-style-type: none"><li>• Activity 7 : Show &amp; Tell Activity -Presentation</li><li>• Activity 8 : Facts vs Opinion- Presentation</li><li>• Activity 9 : Movie Review</li><li>• Activity 12 : Group Discussion</li></ul>	
<b>Unit- V: Writing Skills</b>	<b>04 hrs</b>
<ul style="list-style-type: none"><li>• Activity 10 : Myself- Introduction</li><li>• Activity 11 : Application &amp; Blog Writing</li></ul>	

**Reference Books:**

01. Doyle, Alison. "Communication Skills", Panguin, New Delhi, 2021.
02. Vyas A. Manish, Yogesh L. Patel. "Tasks for the English Classroom", MacMillan, New Delhi, 2012.
03. Achar Deeptha, Charul Jian and et al, "English for Academic Purposes", Book-1&2 University Granthnirman Board, Gujarat, 2011.

**Pedagogic tools:**

- Power point presentation
- Seminar & Webinar
- Videos
- Audio visuals
- Props showcase
- Pictures & Models
- Chalk & Duster
- Diagrams & Posters

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		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

### Methods of Assessment & Tools:

Sr. No.	Component	Content	Duration (if any)	Marks	Sub Total
A	Assignment 1	1 & 2 units	-	20	60
	Assignment 2	All 5 units	-	40	
B	Attendance (Min 75%)			20	40
C	Participation in Class activities			20	
<b>Grand Total</b>					<b>100</b>
<b>Assignment</b>		<ul style="list-style-type: none"> <li>• Activity sheets/files</li> <li>• Abstract and executive summary</li> <li>• Case study writing</li> <li>• Concept mapping</li> </ul>			
<b>Class activity</b>		<ul style="list-style-type: none"> <li>• Reaction paper</li> <li>• Activity summary sheet</li> <li>• One-minute paper</li> <li>• Situation based questions/quiz</li> </ul>			



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**NAAC - Cycle-3**

**Criterion- V**

**Metric - 5.1.3**

<b>Course Name– FS- III- Career Acceleration Program</b>	<b>Credits</b>
<b>Component name: Traditional Soft Skills</b>	Audit Course


**Course Description:** Career Acceleration Program plays a major role in the Student's rapid growth and skill enhancement. This program focuses on different core components such as Communication skills, Soft skills, Aptitude and Logical reasoning. These components carries various 21<sup>st</sup> century skills like Creativity, Critical thinking, Collaborative learning, Digital & Technological literacy along with Information literacy. To develop these skills in student's life from the early stage of under graduate term, this whole course is designed and being developed thoroughly as per the market demand in coming years.

**Course Purpose:**

- This course component serves the purpose of achieving better dealings in social and corporate network through soft skills.
- To make communication better and effective through series of activities.
- Students can think out of the box and work accordingly by analyzing case studies and doing activities.

**Course Outcomes:** Upon completion of this course, the learner will be able to

CO No.	CO Statement	Blooms taxonomy Level (K <sub>1</sub> to K <sub>6</sub> )
CO <sub>1</sub>	Recognize the message coming through different channels	K <sub>1</sub>
CO <sub>2</sub>	Understand the given situation to think critically, logically and creatively and deal accordingly based on that.	K <sub>2</sub>
CO <sub>3</sub>	Apply the knowledge, skills and judgment around human communication that facilitate their ability to work collaboratively with others	K <sub>3</sub>
CO <sub>4</sub>	Reframe personality & right attitude through traditional Soft skills.	K <sub>4</sub>

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		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>


<b>Course Content</b>	<b>Hours</b>
<b>Unit-I : Personal skills</b>	08 hrs
<ul style="list-style-type: none"> <li>• Activity 1 : Introduction about Self (Professional), Communication refinement activity, Quote making</li> <li>• Activity 2 : Personal Ethics, Discipline &amp; Corporate/Industrial dealings case study and situational activity</li> <li>• Activity 3 : Corporate/Industrial Etiquettes</li> </ul>	
<b>Unit-II: Work place skills</b>	06 hrs
<ul style="list-style-type: none"> <li>• Activity 4 : Critical thinking &amp; Problem solving activity</li> <li>• Activity 5 : Work life balance through values &amp; ethics</li> </ul>	
<b>Unit- III: Professional skills</b>	06 hrs
<ul style="list-style-type: none"> <li>• Activity 6 : Conflict Resolution and Networking</li> <li>• Activity 7 : Peer Review Tactics - Harmony Buildup</li> </ul>	
<b>Unit- IV: Leadership Skills</b>	06 hrs
<ul style="list-style-type: none"> <li>• Activity 8 : Team building, team work activity</li> <li>• Activity 9 : Planning &amp; Execution on given topic</li> <li>• Activity 10 : Negotiation skills -Case study &amp; Situational Activity</li> </ul>	
<b>Unit- V: Interview techniques</b>	04 hrs
<ul style="list-style-type: none"> <li>• Activity 11 : Case Study of Group Discussion &amp; Practice</li> <li>• Activity 12 : Mock Formal Interview</li> </ul>	

#### Reference Books:

04. Joshi, Manmohan. "Soft Skills", Bookboon Publications, 2018.
05. Jegadeesan, G., and R. Santana Krishnan. "Soft Skills Development: Training and Evaluation." Icfai University Press, 2008.
06. Peters-Kühlinger Gabriele, and Friedel John. "Soft Skills" Haufe, 2017.

#### Pedagogic tools:

- Power point presentation
- Seminar & Webinar
- Videos
- Audio visuals
- Props showcase
- Pictures & Models
- Diagrams & Posters

	<b>Shri Manibhai Virani and Smt. Navalben Virani Science College</b> An Autonomous college affiliated to Saurashtra University, Rajkot	<b>NAAC - Cycle-3</b>
		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

**Methods of Assessment & Tools:**

Sr. No.	Component	Content	Duration (if any)	Marks	Sub Total
A	Assignment 1	1 & 2 Units	-	20	60
	Assignment 2	All 5 units	-	40	
B	Attendance (Min 75%)			20	40
C	Participation in Class activities			20	
<b>Grand Total</b>					<b>100</b>
<b>Assignment</b>		<ul style="list-style-type: none"> <li>• Activity sheets/files</li> <li>• Abstract and executive summary</li> <li>• Case study writing</li> <li>• Concept mapping</li> </ul>			
<b>Class activity</b>		<ul style="list-style-type: none"> <li>• Reaction paper</li> <li>• Activity summary sheet</li> <li>• One-minute paper</li> <li>• Situation based questions/quiz</li> </ul>			





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An Autonomous college affiliated to Saurashtra University, Rajkot

NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

<b>Course Name– FS- III- Career Acceleration Program</b>	<b>Credits</b>
<b>Component name: Revolutionary Skills for Triumph</b>	Audit Course


**Course Description:** Career Acceleration Program plays a major role in the Student's rapid growth and skill enhancement. This program focuses on different core components such as Communication skills, Soft skills, Aptitude and Logical reasoning. These components carries various 21<sup>st</sup> century skills like Creativity, Critical thinking, Collaborative learning, Digital & Technological literacy along with Information literacy. To develop these skills in student's life from the early stage of under graduate term, this whole course is designed and being developed thoroughly as per the market demand in coming years.

**Course Purpose:**


- This course component serves the purpose of achieving better dealings in social and corporate network through 21st century skills.
- To understand the importance of collaboration through different channels.
- Students can go out of the box, think critically and work accordingly by analyzing case studies.
- Students can be able to understand the importance Flexibility, Adaptability, Leadership with responsibility and Initiative with self direction.

**Course Outcomes:** Upon completion of this course, the learner will be able to

CO No.	CO Statement	Blooms taxonomy Level (K <sub>1</sub> to K <sub>6</sub> )
CO <sub>1</sub>	Understand the need of 21st century skills, Understand and Analyze the skills through Learning : Critical Thinking, Creativity & Innovation	K <sub>2</sub>
CO <sub>2</sub>	Understand the leading skills through edge of : Communication, Collaboration and Networking	K <sub>2</sub>
CO <sub>3</sub>	Understand the skills through digital literacy : Information, Media and Technology Literacy	K <sub>2</sub>
CO <sub>4</sub>	Recall, Understand and Analyze Life Skills :Flexibility and Adaptability, Leadership and Responsibility	K <sub>1</sub> , K <sub>2</sub> ,K <sub>4</sub>
CO <sub>5</sub>	Recall, Understand and Analyze Life Skills :Productivity and Accountability, Social and Cross-Cultural Interaction	K <sub>1</sub> , K <sub>2</sub> ,K <sub>4</sub>

	<b>Shri Manibhai Virani and Smt. Navalben Virani Science College</b> An Autonomous college affiliated to Saurashtra University, Rajkot	<b>NAAC - Cycle-3</b>
		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

<b>Course Content</b>	<b>Hours</b>
<b>Unit-I : Critical Thinking, Creation and Innovation</b>	08 hrs
<p><b>Topics:</b>Importance of Interpersonal skills for industry/workplace, Ownership, belongingness, Critical thinking, problem solving, negotiation skills &amp; decision making.</p> <p><b>Activities :</b></p> <ul style="list-style-type: none"> <li>• Activity 1 : 21st Century Skills introduction and Pucho to Samjheactivity(Cross-Questioning)</li> <li>• Activity 2 : S.C.A.M.P.E.R.&amp; Brainstorming</li> <li>• Activity 3 :Dumb charades, Logo Identification</li> </ul>	
<b>Unit-II: Communication, Collaboration and Networking</b>	06 hrs
<p><b>Topics:</b>Creative self-introduction and attributes ,Marketing oneself, finding the lead, Skill channelizing through networking, healthy relationship establishment, win win situations</p> <p><b>Activities :</b></p> <ul style="list-style-type: none"> <li>• Activity 4 : Integrate 3-4 departments for common purpose and collect the inputs, Outcomes</li> <li>• Activity 5: Hands-on projects: How to sell the product to client?</li> </ul>	
<b>Unit- III: Information, Media and Technology Literacy</b>	08hrs
<ul style="list-style-type: none"> <li>• <b>Topics:</b> Social media worth, Social media presentation, online interviews, knowledge gain through different online platforms, Search information and ethical use of information.</li> </ul> <p><b>Activities :</b></p> <ul style="list-style-type: none"> <li>• Activity 6 : Designing a Blog, Website</li> <li>• Activity 7 : Bring unified technical items (Physical/virtual) and indentify</li> <li>• Activity 8 : Hands-on Project : Youtube video making on informative topic (Peer learning)</li> </ul>	
<b>Unit- IV: Flexibility ,Adaptability and Responsibility</b>	04hrs
<p><b>Topics:</b> Being agile, Importance of being flexible, Being Assertive, Passive, Aggressive vs Assertive, Responsibility through multiple roles or positions</p> <p><b>Activities :</b></p> <ul style="list-style-type: none"> <li>• Activity 9 : Shuffle &amp; Surprise-Surprise</li> <li>• Activity 10 : Flipped Classroom</li> </ul>	
<b>Unit- V: Productivity and Accountability, Social and Cross-Cultural Interaction</b>	04 hrs
<p><b>Topics:</b>Mock interviews for different types of companies,Preparation of documents for interview</p> <p><b>Activities :</b></p>	

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		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

<ul style="list-style-type: none"> <li>• Activity 11 : Student Accountability Project : Quiz competition</li> <li>• Activity 12 : Mock online/offline interview (HR &amp; Technical level)</li> </ul>	
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### Reference Books:

07. 21st Century Skills, A Hand book by CBSE board, Governement of India
08. 21st Century Skills - Learning for Life in Our Times ,Paperback, Wiley and John sons, Inc.
09. 21 Lessons for the 21st Century, Paperback, Yuval Noah Harari

### Pedagogic tools:

- Power point presentation
- Caller Mic with Speakers & Computer laboratory
- Seminar & Webinar
- Videos
- Audio visuals
- Props showcase
- Pictures & Models
- Diagrams & Posters



**Shri Manibhai Virani and Smt. Navalben Virani Science College**  
An Autonomous college affiliated to Saurashtra University, Rajkot

**NAAC - Cycle-3**

**Criterion- V**

**Metric - 5.1.3**

<b>Course Name– FS- III- Career Acceleration Program</b>	<b>Credits</b>
<b>Component name: Quantitative Aptitude Training</b>	Audit Course

**Course Description:** Career Acceleration Program plays a major role in the Student's rapid growth and skill enhancement. This program focuses on different core components such as Communication skills, Soft skills, Aptitude and Logical reasoning. These components carries various 21<sup>st</sup> century skills like Creativity, Critical thinking, Collaborative learning, Digital & Technological literacy along with Information literacy. To develop these skills in student's life from the early stage of under graduate term, this whole course is designed and being developed thoroughly as per the market demand in coming years.

**Course Purpose:**


Upon completion of the course students will be able to:

1. Understand the concepts of Quantitative Aptitude, mathematical logic and reasoning with emphasis on analytical ability and computational skill needed in for industrial placement.
2. Solve problems requiring Quantitative Aptitude & logical reasoning.
3. Perform well in competitive tests conducted for industrial placement.

**Course Outcomes:** Upon completion of this course, the learner will be able to

<b>CO No.</b>	<b>CO Statement</b>	<b>Blooms taxonomy Level (K<sub>1</sub> to K<sub>6</sub>)</b>
CO <sub>1</sub>	Understand the basic concepts of quantitative ability	K <sub>2</sub>
CO <sub>2</sub>	Apply the knowledge, information parameters and mathematical skills to develop time saving solutions	K <sub>3</sub>
CO <sub>3</sub>	Reframe terms for various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, GPSC etc.	K <sub>4</sub>

<b>Course Content</b>	<b>Hours</b>
<b>Unit-I : Basic Mathematics</b>	08 hrs
<ul style="list-style-type: none"> <li>• Number Systems</li> <li>• LCM and HCF</li> <li>• Simplification</li> <li>• Average</li> </ul>	

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<ul style="list-style-type: none"> <li>• Problems on Ages</li> </ul>	
<b>Unit-II: Counting Ability-Vedic Mathematics</b>	06 hrs
<ul style="list-style-type: none"> <li>• Decimal Fractions</li> <li>• Square Roots and Cube Roots</li> <li>• Surds &amp; Indices</li> <li>• Percentages</li> <li>• Problems on Numbers</li> </ul>	
<b>Unit- III: Arithmetical Ability</b>	06 hrs
<ul style="list-style-type: none"> <li>• Ratio and Proportion</li> <li>• Profits and Loss</li> <li>• Interests : Simple &amp; Compound</li> </ul>	
<b>Unit- IV: Quantitative Ability ( Functional Engineering Mathematics)</b>	06 hrs
<ul style="list-style-type: none"> <li>• Speed, Time and Distance</li> <li>• Permutation and Combinations</li> <li>• Area and Volume</li> <li>• Mixtures and Allegation</li> </ul>	
<b>Unit- V: Quantitative Ability (Applied Engineering Mathematics)</b>	04 hrs
<ul style="list-style-type: none"> <li>• Pipes and Cistern</li> <li>• Boats &amp; Trains</li> <li>• Probability</li> </ul>	


#### Reference Books:

01. A Modern Approach To Verbal & Non Verbal Reasoning By R S Agarwal
02. Analytical and Logical reasoning By Sijwali B S
03. Quantitative aptitude for Competitive examination By R S Agarwal
04. Analytical and Logical reasoning for CAT and other management entrance test By Sijwali B S
05. Quantitative Aptitude by Competitive Examinations by Abhijit Guha 4th edition

#### Pedagogic tools:

- Power point presentation
- Chalk & Board
- Pictures & Models
- Diagrams



	<b>Shri Manibhai Virani and Smt. Navalben Virani Science College</b> An Autonomous college affiliated to Saurashtra University, Rajkot	<b>NAAC - Cycle-3</b>
		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

### Methods of Assessment & Tools:

Sr. No.	Component	Content	Duration (if any)	Marks	Sub Total
A	Assignment 1	1 & 2 Units	-	10	30
	Assignment 2	All 5 units	-	20	
B	Attendance (Min 75%)			20	70
C	Final Exam			50	
<b>Grand Total</b>					<b>100</b>


<b>Course Name– FS- III- Career Acceleration Program</b>	<b>Credits</b>
<b>Component name: Logical Reasoning Training</b>	Audit Course

**Course Description:** Career Acceleration Program plays a major role in the Student's rapid growth and skill enhancement. This program focuses on different core components such as Communication skills, Soft skills, Aptitude and Logical reasoning. These components carries various 21<sup>st</sup> century skills like Creativity, Critical thinking, Collaborative learning, Digital & Technological literacy along with Information literacy. To develop these skills in student's life from the early stage of under graduate term, this whole course is designed and being developed thoroughly as per the market demand in coming years.

#### Course Purpose:

Upon completion of the course students will be able to:

2. Understand the concepts of verbal and non verbal reasoning logics and mathematical logics with emphasis on analytical ability and computational skill needed in for industrial placement.
2. Solve problems requiring Quantitative Aptitude & logical reasoning.
3. Perform well in competitive tests conducted for industrial placement.

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		<b>Criterion- V</b>
		<b>Metric - 5.1.3</b>

<b>Course Outcomes:</b> Upon completion of this course, the learner will be able to		
<b>CO No.</b>	<b>CO Statement</b>	<b>Blooms taxonomy Level (K<sub>1</sub> to K<sub>6</sub>)</b>
CO <sub>1</sub>	Understand the basic concepts of quantitative ability	K <sub>2</sub>
CO <sub>2</sub>	Apply the knowledge, information parameters and mathematical skills to develop time saving solutions	K <sub>3</sub>
CO <sub>3</sub>	Reframe terms for various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, GPSC etc.	K <sub>4</sub>

<b>Course Content</b>	<b>Hours</b>
<b>Unit-I : Non Verbal Reasoning</b>	06hrs
<ul style="list-style-type: none"> <li>• Figure Counting &amp; Image Formation</li> <li>• Causes &amp; Effects</li> <li>• Statements &amp; Assumptions</li> </ul>	
<b>Unit-II: Verbal Reasoning</b>	08 hrs
<ul style="list-style-type: none"> <li>• Coding Decoding</li> <li>• Blood Relations</li> <li>• Clock Systems</li> <li>• Calendar</li> </ul>	
<b>Unit- III: Analytical Reasoning</b>	04 hrs
<ul style="list-style-type: none"> <li>• Direction Systems</li> <li>• Seating Arrangements</li> </ul>	
<b>Unit- IV: Arithmetical Reasoning</b>	08 hrs
<ul style="list-style-type: none"> <li>• Series Solutions</li> <li>• Venn Diagram</li> <li>• Cube and Dice</li> <li>• Syllogisms</li> </ul>	
<b>Unit- V: Geometry and Analogy</b>	04 hrs
<ul style="list-style-type: none"> <li>• Area and Menstruation</li> <li>• Diagrams Analogy</li> </ul>	



**Reference Books:**

06. A Modern Approach To Verbal & Non Verbal Reasoning By R S Agarwal
07. Analytical and Logical reasoning By Sijwali B S
08. Quantitative aptitude for Competitive examination By R S Agarwal
09. Analytical and Logical reasoning for CAT and other management entrance test By Sijwali B S
10. Quantitative Aptitude by Competitive Examinations by Abhijit Guha 4th edition

**Pedagogic tools:**

- Power point presentation
- Chaulk & Board
- Pictures & Models
- Diagrams

**Methods of Assessment & Tools:**

<b>Sr. No.</b>	<b>Component</b>	<b>Content</b>	<b>Duration (if any)</b>	<b>Marks</b>	<b>Sub Total</b>
<b>A</b>	Assignment 1	1 & 2 Units	-	10	30
	Assignment 2	All 5 units	-	20	
<b>B</b>	Attendance (Min 75%)			20	70
<b>C</b>	Final Exam			50	
<b>Grand Total</b>					<b>100</b>



**Shri Manibhai Virani and Smt. Navalben Virani Science College**  
An Autonomous college affiliated to Saurashtra University, Rajkot

NAAC - Cycle-3

Criterion- V

Metric - 5.1.3



**Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot**

Organizes

**Hands-on Training Workshop – Handloom & Handicraft Printing**

Supporting Institute: Garvi Gurjari, Gujarat State Handloom & Handicrafts Development Corporation Ltd., Gandhinagar

**Date: 12<sup>th</sup> March 2022**

**Time: 12:00 to 5:00 pm**

**Venue: Center Square Plaza, Virani Science College**

All faculty members & Students from Art, Craft and Photography Hobby Club are Invited



P.S.: List of Students from Art, Craft and photography hobby club is enclosed. All Heads are requested to motivate the students to attend the workshop.

Coordinator: *Khushboo Mehta*  
Mrs. Khushboo Mehta  
Assistant Professor,  
Biochemistry Department  
Cell: 8140000300

*Dr. K. D. Ladva*  
Dr. K. D. Ladva  
PRINCIPAL

*Psychology*  
*Chemistry*  
*Biochemistry*

*English*  
*Microbiology*

*Refined*  
*(English)*

*(Library)*

*Mathematics*



Sarvodaya Kelavani Samaj managed

**Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot**

**Hands-on Training Workshop – Handloom & Handicraft**

Support - Training cum Production Center Garvi Garjari (GSHHDCL-GoG)

Date: 12<sup>th</sup> March 2022 | Time: 12:00 to 5:00 pm | Venue: Square Plaza, MNVSC

**List of Participants – STUDENTS**

SN	Enrollment No.	Name of the Student	Department	Category	Signature Session 1	Signature Session 2
1.	21BBC036	Pachani Musti	Biochem	open	<i>[Signature]</i>	
2.	21BBC008	Chauhan Dhruvi	Biochem	OBC	<i>[Signature]</i>	<i>[Signature]</i>
3.	21BBC005	Bodi Bansi	Biochem	open	<i>[Signature]</i>	<i>[Signature]</i>
4.	21BBC029	Karlam Rajashri	Biochem	open	<i>[Signature]</i>	<i>[Signature]</i>
5.	21BBC036	Kusabani Ammy	Bio-chem	open	<i>[Signature]</i>	<i>[Signature]</i>
6.	21BBC034	Mandal Kashimpaiya	Biochem	OBC	<i>[Signature]</i>	<i>[Signature]</i>
7.	21BMB033	Dangariya Radhika	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
8.	21BMB026	Kachhadia Tami	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
9.	21BMB029	Kapuriya Suwati	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
10.	21BMB016	Dobariya Golecy	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
11.	21BMB020	Crossla Aayushi	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
12.	21BMB012	Dandur Hivra	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
13.	190701031	Chavaliya Mital	Chemistry	general	<i>[Signature]</i>	
14.	190701093	Lungerwala Karind	Chemistry	general	<i>[Signature]</i>	
15.	190701036	Dave Ishita	Chemistry	general	<i>[Signature]</i>	
16.	190701144	Kanupuriya Saad	Chemistry	general	<i>[Signature]</i>	
17.	190701148	Undhad Ishita	Chemistry	general	<i>[Signature]</i>	
18.	21BMB062	Vadi Yashvi	Micro-Bio	general	<i>[Signature]</i>	<i>[Signature]</i>
19.	21BMB018	Gadhil Hemanshi	Micro-Bio	OBC	<i>[Signature]</i>	<i>[Signature]</i>
20.	21BMT008	Jadaja Shivangiba	Maths	general	<i>[Signature]</i>	<i>[Signature]</i>
21.	21BMT007	Hemanshi Gadhwan	Maths	OBC	<i>[Signature]</i>	<i>[Signature]</i>
22.	21BMT020	Neha Rathod	Maths	OBC	<i>[Signature]</i>	<i>[Signature]</i>
23.	21BMT026	Isha Sanadhya	Maths	open	<i>[Signature]</i>	<i>[Signature]</i>
24.	21BBC037	Lakshmi Mushti	Biochem	general	<i>[Signature]</i>	<i>[Signature]</i>
25.	21BMB046	Patil Denuka	Micro-Bio	General	<i>[Signature]</i>	<i>[Signature]</i>





**Shri Manibhai Virani and Smt. Navalben Virani Science College**  
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NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

SN	Enrollment No.	Name of the Student	Department	Category	Signature Session 1	Signature Session 2
26.	21BBC024	Kalavadiya Vishal A	Biochemistry	OPEN	<i>[Signature]</i>	<i>[Signature]</i>
27.	21BBC051	Suvy Kussherna	Biochemistry	OBC	<i>[Signature]</i>	<i>[Signature]</i>
28.	22BCH056	Timbadiga Divy	Bsc chem	open	<i>[Signature]</i>	
29.	21BCH030	Mangam Huvun	B.Sc. Chem		<i>[Signature]</i>	
30.	190701028	Chhabriya Divyesh	B.Sc Chem		<i>[Signature]</i>	
31.	190701046	Smit Gadasha	B-sc Chem		<i>[Signature]</i>	
32.	190701012	Bhaut Harodip	B-sc Chem	open	<i>[Signature]</i>	
33.	190701066	Joshi Milan	B-sc chem		<i>[Signature]</i>	
34.	190701009	Borvadip Raj	B.sc chem		<i>[Signature]</i>	
35.	200721097	Sivagiya Akshil	M.Sc chem		<i>[Signature]</i>	
36.	200721087	Akshari Rajani	M.Sc Chem		<i>[Signature]</i>	
37.	200721083	Kinjal Patel	M.Sc chem		<i>[Signature]</i>	
38.	200721111	Vala Dharmishtha	M.Sc chem		<i>[Signature]</i>	
39.	21BMB050	Sandhaniya Karmal	B.Sc Micro		<i>[Signature]</i>	<i>[Signature]</i>
40.	21BMB063	Nataliya Priyamshi	B.Sc Micro	open	<i>[Signature]</i>	<i>[Signature]</i>
41.	21BCH000	Sodarsati Ditsa	B.Sc. chem.		<i>[Signature]</i>	
42.	22BCH034	Panswariya Vanshi	B.Sc chem	open	<i>[Signature]</i>	
43.	21BMB004	Bhukhan Umesh	B.Sc. Micro	open	<i>[Signature]</i>	
44.	21BMB005	Bhelodiya Jensi	B.Sc. Micro	open	<i>[Signature]</i>	<i>[Signature]</i>
45.	21BMB027	Kanjiva Dandshi	B.Sc. Micro	open	<i>[Signature]</i>	<i>[Signature]</i>
46.	22BMB032	Kiyada Harijali	B.Sc. Micro	OPEN	<i>[Signature]</i>	<i>[Signature]</i>
47.	21BMB037	Dobaniya Jensi	B.Sc. Micro	OPEN	<i>[Signature]</i>	
48.	22BMB047	Rajpara Sanjina	B.Sc. Micro	OPEN	<i>[Signature]</i>	<i>[Signature]</i>
49.	21BMB002	Aadeshma Bhanvi	B.Sc Micro	OPEN	<i>[Signature]</i>	<i>[Signature]</i>
50.	21BMB001	Aghena Hemanshi	B.Sc Micro	OPEN	<i>[Signature]</i>	<i>[Signature]</i>
51.	21BCH015	Harvody Aevanshi	B.Sc. che.	OPEN	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
K. Mehta  
Chushoo Mehta  
Co-ordinator

*[Signature]*  
Principal  
Shri Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.





**Shri Manibhai Virani and Smt. Navalben Virani Science College**  
An Autonomous college affiliated to Saurashtra University, Rajkot

NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

SN	Enroll no.	Name of the Student	Department	Signature
26	20BMB025	Harkhan <del>Kapra</del> Kapra P	BSc med	
27	20BMB024	Harkhan Kaushe R	BSc med	
28.	19BCH012	Hanadiya Parth D.	Chemistry	
29	19BCH000	Chokha Noorun H	chemistry	
30	19BCH002	Bhalani Vishwas S	Chemistry	
31	19BCH022	Karadiya Dhruvi K		
32	19BCH049	Sidadiya Devangi M		
33	19BCH042	Sinojiya Dhruvi B		



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Metric - 5.1.3

Sarvodaya Kelavani Samaj managed

**Shri Manibhai Virani and Smt. Navalben**

**Virani Science College (Autonomous), Rajkot**

**Hands-on Training Workshop – Handloom & Handicraft**

Support - Training cum Production Center Garvi Gurjari (GSHHDCL-GoG)

Date: 12<sup>th</sup> March 2022 | Time: 12:00 to 5:00 pm | Venue: Center Square Plaza, MNVSC

**List of Participants – STAFF**

SN	Name of the Faculty	Department	Signature Session 1	Signature Session 2
1.	Dr. V. M. Kumbhar	Library		
2.	Nisha Nemade	Maths		
3.	Achana Cholera	Chemistry		
4.	Calpa Hemangji Bhatt	NCC & Microbiology (VSO)		
5.	Nikita Rathod	Microbiology (VSO)		
6.	Chandani Trivedi	Microbiology (VSO)		
7.	Dr. Neelika Ravat	English		
8.	Jayana Gajjar	English		
9.	Nishita Jankar	English		
10.	Dr. Sushli Dodiya	English		
11.	Twinkle Rayyani	English		
12.	Nishith Mehta	English		
13.	Dr. Rakhmal Joshi	Maths		
14.	Minali Khokhasiya	Bigchem		
15.	Minal Ambani	Maths		
16.				
17.				
18.				
19.				

*Khushboo Mehta*  
Khushboo Mehta  
co-ordinator

*[Signature]*  
Principal  
Shri Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.

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NAAC - Cycle-3

Criterion- V

Metric - 5.1.3



Sarvodaya Kelavani Samaj managed  
**Shri Manibhai Virani and Smt. Navalben  
Virani Science College (Autonomous), Rajkot**



**ACTIVITY REPORT**

**Hands-on Training Workshop – Handloom & Handicraft**

**Aim :** To spread awareness and sensitization of youth about the art & Handicraft of Gujarat-India

**Date :** 12<sup>th</sup> March 2022    **Time :** 12:00 to 5:30 pm

**Venue :** Square Plaza, Virani Science College Building

**Supporting Institute:** Garvi Gurjari-Gujarat State Handloom & Handicrafts Development Corporation Ltd

**Co-Ordinator:** Mrs. Khushboo Mehta, Assistant Professor, Biochemistry Department.

**Participants:** Undergraduate students from art, craft and photography hobby club  
Laboratory Assistants and Faculty members

**Registration Fees :** N.A.

**Number of Participants:**

Participants	Number	Department
Students	55	Biochemistry, Chemistry, Microbiology, Mathematics
Laboratory Assistants and Faculty members	15	

**Details of Resource Person :**

Name	Designation & Details
Mr. S. H. Khara	Officer, Garvi Gurjari-Gujarat State Handloom & Handicrafts Development Corporation Ltd
Mr. Fayaz Husen Khatri	Printing Artist, Bhuj- Kutch National Award Winner 2002
Ms. Taniya Fayaz Khatri	Printing Artist, Bhuj- Kutch



**Summary of Activity:**

- a) Opening Ceremony: Prayer was offered by students. Guests and Principal Sir enlighten the lamp.
- b) Welcome and Occasional invocation speech was given by Dr. K. D. Ladva-Principal
- c) Occasional invocation speech and Introduction of GurviGurjari was given by Shri Shyam H. Khara, officer, GarviGurjari-Gujarat State Handloom & Handicrafts Development Corporation Ltd.
- d) Mr. S. H. Khara gave introduction of raw materials and dying process.
- e) Mr. FayazHusen Khatri demonstrated dying process using wooden Pethapur block on cotton cloth.
- f) Participant wise block printing was performed under guidance of Mr. FayazHusen Khatri and Ms. Taniya Fayaz Khatri.
- g) Valedictory function and group photography
- h) Refreshment

*Khatri*

*Full*







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SARVODAY KELAVANI SAMAJ MANAGED

An AUTONOMOUS COLLEGE

Re-accredited at the 'A' Level (CGPA 3.28) by NAAC

A College with Potential for Excellence - CPE (Phase - II) by UGC

'STAR College Department' Status by MST-JET

Accredited at the G-AAA 'A-1' Level by KGC, Govt. of Gujarat

પહોંચ

રાજકોટ

તા. ૧૨/૦૩/૨૦૨૨

પ્રતિ,  
શ્રી એસ. એચ. ખારા,  
ઓફિસર, ગરવી મુલ્કરી-ગુજરાત રાજ્ય,  
હેન્ડલુમ એન્ડ હેન્ડીક્રાફ્ટ ડેવલપમેન્ટ કોર્પોરેશન લિ.  
ગાંધીનગર

આજ રોજ આપના દ્વારા આ કોલેજમાં યોજાઈ "હેન્ડલુમ એન્ડ ટ્રેનીંગ વર્કશોપ - હેન્ડલુમ એન્ડ હેન્ડીક્રાફ્ટ" માટેના વિદ્યાર્થી-પ્રોન્સાઇન અંગેના વ્યવસ્થા પર્થ પેટે નીચેની વિગતે આપના તરફથી રૂ. ૨,૦૦૦/- અંકે રૂ. બે હજાર પુરા રોકડા મળેલ છે, જે બદલ આ પહોંચ આપવામાં આવેલ છે.

ક્રમ	વિગત	રકમ રૂ.	રીમાર્ક
૧.	મહેમાનોના સ્વાગત માટે ખુકે - ૨	૧૫૦.૦૦	સર્જન યુનિટ
૨.	મહેમાનો માટે પુસ્તક - ૨	૨૫૦.૦૦	એ-વન ઝેરોલ એન્ડ સ્ટેશનરી
૩.	વર્કશોપમાં ભાગ લેવાયેલ યુવ-વિદ્યાર્થીઓ માટે આપેલ નાસ્તાનો ખર્ચ રૂ. ૨૫/- લેખે	૧૩૭૫.૦૦	આસ્વાદ ફૂડ
૪.	૩-મહેમાનો માટેનો ત્રણ પર્થ રૂ. ૭૫/- લેખે	૨૨૫.૦૦	
	કુલ રૂ.	૨૦૦૦.૦૦	
	અંકે રૂ. બે હજાર પુરા		

Checked & verified by

Assistant

Principal  
Principal  
Shri Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.



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**Cash/Credit Memo**

From: Sarjan Unit

No: 121  
Date: 11/3/22  
Ch.No:

M/s: M.N Virani Science college

No	PARTICULARS	QTY.	RATE	AMOUNT
1	Handy bouquet	2	75/-	150/-
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18	TOTAL			150

NOTES:

E.&O.E. ગણેશ ડીલર  
A PAPERS PLAZZA PRODUCT

SIGN

*[Signature]*

**Cash/Credit Memo**

From: A-One Xerox Stationeries

No: 224  
Date: 12/03/2022  
Ch.No:

M/s: M.N Virani Science college

No	PARTICULARS	QTY.	RATE	AMOUNT
1				
2	સ્ટેશનરી	2	120/-	240/-
3				
4				
5				
6				
7				
8				
9				
10				240/-
11				
12				
13				
14				
15				
16				
17				
18	TOTAL			240

NOTES:

E.&O.E. ગણેશ ડીલર  
A PAPERS PLAZZA PRODUCT

SIGN

*[Signature]*



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RECEIPT

Date : 14-Mar-2022


Received with thanks from: Various Individual donors Through Thoria N. A.

Narration: Begin amount received for Aaswad Food from various donor of Nirgun Pradesh

Transaction Details:

Amount: Rs.1600/-

Amount in Word: Rupees One Thousand Six Hundred Only

  
(Dr. K. D. Ladva)  
Principal  
Shri Manibhai Virani and  
Smt. Navalben Virani Science  
College - Rajkot

  
Authorized Signature