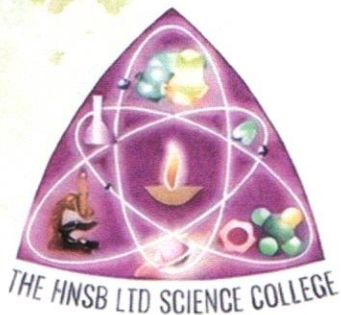




The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited : B Grade, GSIRF: 4 Star Rank, ISO: 9001:2015, 21001:2018

Managed By Himatnagar Kelvani Mandal

NSS Camp : At Katvad. Ta: Himatnagar

Organized By NSS and IQAC

Hārīt Setu: Campus to Community Green Initiatives

Date : 14/2/2026 to 20/2/2026



NSS Program Officer :

Dr. K.V. Goswami

NSS Coordinator :

Shri Kamlesh Thakkar

Hemchandracharya N. G. Uni. Patan

IQAC Coordinator :

Dr.Z.M.Gadhawala

Principal :

Dr.P.S.Patel


Principal
The HNSB. Ltd. Science College
Himatnagar-389 001



AWARD CERTIFICATE

FOR OUTSTANDING CAMPUS–COMMUNITY GREEN INITIATIVES

This Award Certificate is proudly presented to

The HNSB. Ltd. Science College, Himatnagar

for its exemplary contribution through “Harit Setu : Campus to Community Green Initiatives”.

The initiative was successfully organized by **NSS & IQAC** during 14–20 February 2026
at **Katvad Village**, Taluka Himatnagar, promoting sustainability and environmental
awareness.

The institution displayed remarkable leadership, social responsibility, and community engagement.

This award is conferred in recognition of its outstanding service towards a greener society.

Revenue Officer
Katvad Village

ગણદેવી કમ નગર

સરકારી ગ્રામ પંચાયત

Date: 20/2/2026

ડી. હેમંતભાઈ, ડી. ટી. ડી.

Village Council Head (Sarpanch)
Katvad Village

સરકારી ગ્રામ પંચાયત

ડી. હેમંતભાઈ, ડી. ટી. ડી.

Principal
The HNSB. Ltd. Science College
Himatnagar-383 604

National Service Scheme (NSS)
The HNSB. Ltd. Science College, Himatnagar

HARIT SETU

Campus to Community Green Initiatives

NSS Green Street Project



 **Tree Plantation & Green Streets**

 **Waste Segregation (Dry & Wet)**

 **Water Conservation**

 **Plastic-Free Awareness**

By Students – For Society



Organized by: **National Service Scheme (NSS)**
The HNSB. Ltd. Science College, Himatnagar

HARIT SETU

Campus to Community Green Movement

NSS Green Street Project

 **Segregate Waste – Dry & Wet**

 **Protect & Adopt Trees**

 **Say No to Single-Use Plastic**

 **Save Water – Save Life**



Student Power × Social Responsibility

National Service Scheme (NSS)
The HNSB. Ltd. Science College, Himatnagar

My Street, My Green Responsibility

The HNSB. Ltd. Science College
Himatnagar-145004

FIRST DAY HOUSEHOLD REGISTRATION FORM

Project Title:

Harit Setu : Campus to Community Green Initiatives

Organized by:

NSS Unit

The HNSB. Ltd. Science College, Himatnagar

(NAAC Accredited | GSIRF Rated | ISO Certified)

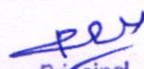
Street / Area: Zalawas /

Village / City: Katwad

Date: 18/2/2026

HOUSEHOLD REGISTRATION

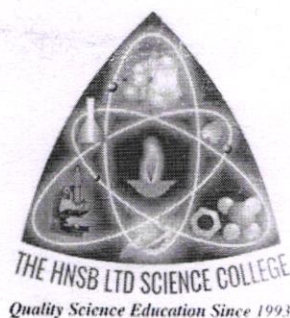
Sr. No.	House No.	Name of Head of Family	Total Members	Contact No.	Waste Segregation (Yes/No)	Composting (Yes/No)	Cloth Bag Use (Yes/No)	Plant Available (Yes/No)	Family Member Signature
1		Nusarait ben pogarva	5	9327210839	N	N	Y	Y	Nusarait
2		Sahenaizben pogarva	5	7043032569	N	N	Y	Y	Sahenaiz
3		Haidar Ali Pathan	3	9924223324	Y	N	N	Y	Afsana
4		Fazhanabun Pathan	4	9924990147	Y	N	N	Y	Fazhan
5	233	Habiba Fatima Davda	4	9510563264	Y	N	Y	N	Habiba
6	10	Sabnymbun saired	7	9316507509	Y	N	Y	Y	S.M saiqad
7		Samina Pathan	6	9898486101	Y	N	Y	Y	Pathan Samina
8		Rahisaben Makrani	6	8799185214	Y	N	N	Y	Rahisaben
9		Sahabjban Pathan	6	8200464441	N	N	Y	Y	Sahabjban
10		Zulfaraben saired	7	7016620194	N	N	N	Y	Zulfaraben


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Sr. No.	House No.	Name of Head of Family	Total Members	Contact No.	Waste Segregation (Yes/No)	Composting (Yes/No)	Cloth Bag Use (Yes/No)	Plant Available (Yes/No)	Family Member Signature
11	54	chetna ben	5	9998471338	Y	N	Y	Y	C.D.R
12	55	sonal ben	5	7874211664	Y	N	Y	Y	21079
13	56	Jagouti ben	4	8401942560	Y	Y	N	Y	मोहित
14	57	Nita ben	4	9558547091	Y	N	Y	Y	नीति
15	58	Komal ben	3		Y	N	Y	Y	सिमर
16	151	Ashvin Kumar A	6	7487020558	Y	N	Y	N	अश्विन
17	150	Bhala Bhai	8	9687545752	Y	N	Y	N	भाला-11/10/21
18	149	mamta ben	4	7228818981	Y	N	Y	Y	ममता
19	148	Bhagya bhai	2	9898140738	N	N	Y	N	BSPदा
20	147	muni ben	8	6355482850	N	N	Y	N	भार्या
21	192	Khusby ben	4	7435016358	N	N	N	N	S.K.V.
22	35	Ranjan ben	2	9227714674	N	N	Y	Y	Ranjan
23	153	Hitesh Kumar	4	9913352646	Y	Y	Y	Y	H.M
24	166	Kalpesh bhai	6	9948284660	Y	Y	Y	Y	S.K.Ravall
25		Baba bhai	4	7359837685	Y	Y	N	Y	Vikram
26	155	Ashvin bhai	7	9773179499	Y	N	N	N	अश्विन
27	154	Prakash bhai	6	6354552467	Y	Y	Y	Y	Raj
28	153	Aasha ben	5	8141059144	Y	Y	Y	Y	अशा
29	152	Tara ben	5		Y	N	Y	Y	तरा
30	36	Sharmistha ben	5	9558990088	N	N	Y	Y	शर्मिष्ठा

Collected & Verified By

Principal
The HNSB. Ltd. Science College
Himatnagar-383001



The HNSB. Ltd, Science College, Himatnagar

Green Bag Mission : Plastic Free Drive in Green Street at Katvad

Stop Plastic & Start Green Leaving

Organized By: NSS & IQAC, Convener : Dr.K.V.Goswami & Dr.Z.M.Gadhawala

Date: 17/2/2026

Time: 12-15 to 1-15 PM

Sr.No	Name of Students	Sign
1	Runu murya P.	
2	Sindhya Mihir A	
3	Rohit Vasantbhai Prajapati	
4	Raheem dhruvil P	R.D.P
5	Bhil Rohit jirubhai	PRIT
6	Parmanu prit V.	R.J.B.
7	Sadhu Parthkumar D.	S.P.D.
8	patel Tan S.	
9	Parmanu Parth. S.	
10	patel Ved. S.	V.S.Patel
11	Prasiddhi Jay. C.	
12	Patel Astha. H.	
13	Patel. Keni. P	
14	patel Bhumi. D	
15	Joshi Khushi A	
16	Patel Khushi D	K D Patel
17	Patel Happy R	
18	Patel Hani R	
19	Pat. Prajapati vidhi V	
20	Prajapati Khushi D	

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Himatnagar-383 604

21	Tamvar Jagajisinh K.	Jagajisinh
22.	Sipae Gulnazarbany S.	Gulnazarbany
23.	Ranawaditya Munassabah M.	Munassabah
24	Belim Kayrat mo. Fozik	Kayrat
25	Memon Arshul ILYAS Bhai	Arshul
26	Luhaz Maher ABDul Bhai	ABDul Bhai
27	Gohel mahesh B.	mahesh
28	Jadeja Tamanna S.	Tamanna
29.	Patel kaimu K.	kaimu
30.	Prisajapati Anshu H.	Anshu
31.	Chasen Anisuddh O	Anisuddh
32.	Vyas Krupa R.	Krupa
33.	Prisajapati Krish B.	Krish
34	patel Uvi P.	Uvi
35	Patel Sukshi S	Sukshi
36	Nayji Hami P.	Nayji
37	Kumpawat Khushboo D.	Khushboo
38	Luhaz Feizom S	Feizom
39	Ayush Manish Kumar Sharma	Ayush
40	Prince Iamirai Nayji	Prince Iamirai
41	Pundoo Tamha Jugadishbhai	Tamha
42	Maheshwari Dharoti Anilkumar	Dharoti A.
43	Sulhas Prathap Meenaji Bhai	Prathap
44	Memon Tehjim S.	Tehjim
45	Mehsaniya Gazalaparvin M.	Gazalaparvin
46.	Vankar prachi D.	prachi
47.	Memon Ashiya F.	Ashiya
48	Rao Vedangji. M	Vedangji
49.	Thakoo Anushka. Govindsinh.	Anushka
50	Patel Masum A	Masum

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Katrael: Raval vas & Muslim vas

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 18/12/2026 ☐ Day: Wednesday Time : 2:15 to 3:00 PM
05

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
1	1	Nysrat ben pogarva	Y	Y	N	500gm	N	N	Y	04	Nuseet
2	2	Sahemazben pogarva	Y	Y	N	N	N	N	Y	03	Nuseet
3	3	Heida Ali Pathan	Y	Y	N	800gm	N	Y	Y	03	Absence
4	4	Fahamabun Pathan	Y	Y	N	750gm	N	Y	Y	04	261011
5	5	Haliba Fatima Davda	N	N	N	100gm	N	Y	Y	03	Haliba
6	6	Sabnamben Saliya	Y	Y	N	400gm	Y	Y	Y	06	S.M. Saliya
7	7	Samin Pathan	Y	Y	N	200gm	N	N	Y	03	Samin Pathan

PR
Principal
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Himatnagar-383 601

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rahisaben Makrani	Y	N	N	N	N	N	Y	02	28/11
9	9	Sahabai bhai	Y	N	N	N	N	Y	N	02	28/11
10	10	Zulfatiben Sayed	Y	Y	N	N	N	N	Y	03	Zulfatiben
11	11	Chetnaben	Y	Y	N	400gm	N	N	Y	04	C.D.R.
12	12	Sonaliben	Y	Y	N	600gm	N	N	Y	04	28/11
13	13	Jagritiben	Y	N	N	N	N	N	Y	02	28/11
14	14	Niteshen	Y	Y	N	N	N	N	Y	03	07/11
15	15	Kamali ben	Y	Y	N	300gm	N	N	N	03	28/11
16	16	Ashvinkumar A	Y	Y	N	300gm	N	N	N	03	28/11
17	17	Bhala bhai	Y	Y	N	N	N	Y	Y	04	28/11
18	18	Mamteshen	Y	Y	N	N	Y	N	Y	04	28/11
19	19	Bhaga bhai	Y	N	N	N	N	Y	N	02	28/11
20	20	Mani Herdi	Y	N	N	N	N	N	Y	02	28/11
21	21	Khusbu ben	Y	Y	N	N	N	N	Y	03	S.K.V.
22	22	Ranjan ben	Y	Y	N	N	N	N	Y	03	28/11
23	23	Hitesh Kumar	Y	N	N	N	N	N	Y	02	28/11
24	24	Kalpesh bhai	Y	Y	N	N	N	N	Y	03	28/11
25	25	Buba bhai	Y	N	Y	N	N	N	Y	03	28/11
26	26	Ashvin bhai	Y	N	Y	N	N	N	N	02	28/11
27	27	Poulkash bhai	Y	N	N	N	N	Y	Y	03	28/11
28	28	Aasha ben.	Y	Y	N	N	N	N	N	03	28/11
29	29	Tare ben.	Y	Y	N	N	N	N	Y	03	28/11
30	30	Sharmistha ben.	Y	N	N	N	N	N	Y	02	28/11



Principal
The HNSB. Ltd. Science College
Himatnagar-383 001

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Kutrad: Zawal vas & Muslim Vas

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 19/2/2026 ☐ Day: Thursday Time : ...1:00 to 2:00 PM

06

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (6-7)	Volunteer Initial
1	1	Nusurat ben. Pagarva	Y	Y	N	500gm	N	N	Y	04	Muscroft
2	2	Sahenz Pagarva	Y	Y	N	N	N	N	Y	03	210118
3	3	Haidan Ali Pathan	Y	Y	N	400gm	N	Y	N	04	Absune
4	4	Farhanu Pathan	Y	Y	N	500gm	N	N	Y	04	221011
5	5	David Habiha Fatima	N	N	N	N	N	Y	N	01	Habiha
6	6	Saiyed Sabnam	Y	Y	N	700gm	Y	N	N	06	S.M. Saiyed
7	7	Pathan Sumira	Y	Y	N	N	N	N	Y	03	Saiyed


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Himatnagar-383601

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rashida ben Makrani	N	Y	N	N	N	N	Y	02	24/211
9	9	Shubaz ben	Y	Y	Y	200gm	N	N	Y	04	24/211
10	10	Zulfar ben	Y	Y	N	300gm	N	N	Y	03	24/211
11	11	Chetani ben	Y	Y	Y	400gm	N	Y	Y	05	24/211
12	12	Sonal ben	Y	Y	N	N	N	N	Y	03	24/211
13	13	Jagati ben	Y	Y	Y	N	N	Y	Y	03	24/211
14	14	Alit ben	Y	Y	N	N	N	N	Y	03	24/211
15	15	Domai ben	Y	Y	N	N	N	Y	Y	03	24/211
16	16	Ashvin Kumar	Y	Y	N	200gm	N	N	Y	04	24/211
17	17	Bhakti bhai	Y	Y	N	N	N	Y	Y	03	24/211
18	18	Mamta ben	Y	Y	N	N	Y	N	Y	04	24/211
19	19	Bhagat Bhai	Y	N	N	N	N	N	N	01	24/211
20	20	Mamta bhai	Y	N	N	N	N	N	Y	02	24/211
21	21	Rashmi ben	Y	N	N	N	N	Y	Y	03	S.K.V.
22	22	Ranjana ben	Y	Y	N	N	N	N	Y	03	24/211
23	23	Hitesh Kumar	Y	N	N	N	N	N	Y	02	24/211
24	24	Rupesh Bhai	Y	Y	Y	N	N	N	Y	04	24/211
25	25	Baba Bhai	Y	N	N	N	N	N	Y	02	24/211
26	26	Ashvin Bhai	Y	N	Y	N	N	N	N	02	24/211
27	27	Prakash Bhai	Y	Y	Y	N	N	Y	Y	03	24/211
28	28	Aisha ben	Y	Y	Y	N	N	N	Y	03	24/211
29	29	Tina ben	Y	Y	N	N	N	N	Y	03	24/211
30	30	Shamisha ben	Y	N	N	N	N	N	Y	02	24/211



Principal
The HNSB. Ltd. Science College
Himnagar

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Katval: Ravalvas & Muslim Vag

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 20/2/2026 ☐ Day: Friday Time :12 to 1:00 pm.....

67

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
1	1	Musrobat ben Pagarva	Y	Y	N	N	N	N	Y	03	Musef
2	2	Sahencizben Pagarva	Y	Y	N	N	N	Y	Y	04	Musef
3	3	Haider Ali Pathan	Y	Y	N	N	N	N	Y	03	Atsana
4	4	Fashmabam Pathan	Y	Y	N	N	N	N	Y	03	Sesiti Chio
5	5	Habiba Fatima Bavela	Y	N	N	N	Y	N	N	02	habiba
6	6	Sabnam Bani Saliya	Y	Y	Y	Y	Y	Y	Y	07	SM Saiyad
7	7	Saminq Pathan	Y	Y	N	N	N	N	Y	03	Pathan samina

pen
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Himatnagar-383 601

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rahisabben makrani	Y	Y	Y	N	N	N	Y	04	21/01
9	9	Sakebaj bhai patan	Y	N	N	N	N	N	N	02	25/01/21
10	10	Zulfarnabben saixed	Y	Y	N	N	N	N	N	02	25/01/21
11	11	chetnaben	Y	Y	Y	N	Y	Y	Y	06	C.D.R
12	12	sonalben	Y	N	N	N	N	N	Y	02	21/01/21
13	13	Jagorutiben	Y	Y	N	N	N	N	Y	03	21/01/21
14	14	Niteben	Y	N	N	N	N	N	Y	02	21/01/21
15	15	karnalben	Y	N	N	N	N	N	Y	01	21/01/21
16	16	Ashvinkumara	Y	N	N	N	N	Y	N	02	21/01/21
17	17	Bhalabhai	Y	N	N	N	N	N	N	01	21/01/21
18	18	mamtaben	Y	N	Y	N	Y	Y	Y	05	21/01/21
19	19	Bhagya bhai	Y	Y	N	N	N	N	N	02	21/01/21
20	20	maniben	Y	N	N	N	Y	N	N	02	21/01/21
21	21	khushb 4 ben	Y	N	Y	N	N	N	N	02	S.K.V
22	22	Ranjan ben	Y	N	N	N	Y	N	Y	03	Ranjan
23	23	Hitesh kumar	Y	N	Y	N	N	N	Y	03	Hitesh
24	24	Kalpesh bhai	Y	Y	N	N	N	N	Y	03	S.K. Raut
25	25	Baba bhai	Y	N	N	N	N	N	Y	02	Vikram
26	26	Ashvin bhai	Y	Y	N	N	N	N	N	02	21/01/21
27	27	Prakash bhai	Y	N	Y	N	N	N	Y	03	21/01/21
28	28	Aasha ben.	Y	Y	N	N	N	N	Y	03	21/01/21
29	29	Taraben	Y	Y	N	N	N	N	N	02	21/01/21
30	30	sharmistaben	Y	N	N	N	N	N	Y	02	21/01/21



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FINAL CONSOLIDATED GREEN BEHAVIOUR SCORE TABLE

Project: Harit Setu – Campus to Community Green Initiatives

Organized By: National Service Scheme (NSS)

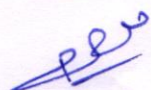
College: The HNSB. Ltd. Science College, Himatnagar

Duration: 7 Days Community Green Audit

□ FINAL SCORE TABLE (30 HOUSES – 7 DAYS)

(Max Points = 7 behaviours × 7 days = 49)

House No.	Head of Family	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	7-Day Total (49)	Green Coins
1	Pogara Nussarthen	02	02	03	04	04	04	03	21	—
2	sehnaz pogara	01	02	03	03	03	03	04	19	—
3	Haidar Ali pathan	02	01	03	05	03	04	03	21	01
4	faahand pathan	02	02	03	04	04	04	03	22	—
5	Habiby Fatima Daydu	02	01	03	05	03	01	02	17	01
6.	Sabnumbanu saigad	03	04	04	05	06	06	07	35	04
7	Samina pathan	02	02	04	04	03	03	03	21	—
8	Rahisaben o makrani	01	02	02	04	02	02	04	17	—
9	sahebajbanu pathan	01	02	03	04	02	04	02	17	—
10	Zulfurabannu saigad	02	03	01	06	03	03	02	20	01
11.	chetumaben	03	05	04	07	04	05	06	34	04
12	sonul ben	01	02	03	02	04	03	02	17	—
13	Jagrutiben	02	02	03	04	02	03	03	19	—
14	Nitaben	02	01	03	02	03	03	02	16	—


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 Himatnagar-383001

House No.	Head of Family	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	7-Day Total (49)	Green Coins
15	Ramul ben	02	02	04	02	03	03	03	17	-
16	Ashwin Kumar	02	02	02	02	03	04	04	17	-
17	Bhulabhai	02	01	02	02	04	03	03	15	-
18	Manu ben	02	04	04	06	04	04	05	29	02
19	Bhagubhai	01	02	01	01	02	01	02	10	-
20	Mani bhai	01	02	00	02	02	02	02	11	-
21	Khushbuben	02	01	00	03	03	03	02	15	-
22	Ranjuben	01	01	03	02	03	03	03	16	-
23	Hitesh Kumar	02	02	05	03	02	02	03	19	01
24	Kalpeshbhai	02	01	05	04	03	04	03	22	01
25	Bababhai	01	02	04	03	03	02	02	16	-
26	Ashvin bhai	00	02	05	03	02	02	02	12	01
27	Prakashbhai	01	01	04	05	03	03	03	20	01
28	Aashuben	01	02	05	03	03	03	03	20	00
29	Taruben	02	01	04	04	03	03	02	19	-
30	Shamistha	01	01	02	03	02	02	02	13	-

☐ Green Coin Formula

- Green Coins = 7-Day Total $\times$ 0.6 (rounded)

TOP 3 GREEN CHAMPION HOUSES

Rank	House No.	Head of Family	Total Score (49)	Score %	Green Coins	Award Title
1st	6	Shabnam bano Saiyad	35	71.4 %	04	First Green House Award
2nd	11	chetraaben	34	69.4 %	04	2nd Green House Award
3rd	18	Manuaben	29	59.2 %	02	3rd Green House Award


 Principal
 The PMSB. Ltd. Science College
 Hindustan-383 004

☐ Award Basis Statement

Awards are declared based on 7-day continuous green behaviour monitoring, peer verification, composting practice, plastic reduction, and plantation care under NSS community engagement.

☒ Verification & Approval

- NSS Programme Officer: _____
- Village Authority / Sarpanch: _____
- Date: 20/2/2026




Principal
The HNSB. Ltd. Science College
Himatnagar-383001

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Katwadi, Raval Vas & Muslim Vas

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 14/2/2026 ☐ Day: Saturday Time : 3.30 PM to 5.00 PM

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
1	1	Pooja Muscatben	Y	N	N	N	N	N	Y	02	Nyset
2	2	Sehna Z Pooja	Y	N	N	N	N	N	N	01	Pran
3	3	Haridas Ali Patil	N	Y	N	N	N	N	Y	02	Pran
4	4	Farhanqabun Patil	N	Y	N	N	N	N	Y	02	Pran
5	5	Habiba Fatima Darda	Y	Y	N	N	N	N	N	02	Pran
6	6	Sabnamqabun Salve	Y	N	N	N	N	Y	Y	03	S.M. Salve
7	7	Saming Patil	Y	N	N	N	N	N	Y	02	Saming Patil


Principal
The HNSB. Ltd. Science College
Himatnagar-383 001

Sr. No	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rahisaben Makrani	N	Y	N	N	N	N	N	01	R/M
9	9	Sahabji bhai	Y	N	N	N	N	N	N	01	S/M
10	10	Zulfanabai	N	N	N	N	N	Y	Y	02	Z/S
11	11	Chetnaben	Y	N	Y	N	N	N	Y	03	C.D.R
12	12	Somai ben	N	N	N	N	N	Y	N	01	S/M
13	13	Jagrutiben	Y	N	N	N	N	N	Y	02	J/M
14	14	Nites ben	Y	N	N	N	N	N	Y	02	N/M
15	15	Komal ben	Y	N	N	N	N	Y	N	02	K/M
16	16	Ashvin Kumar	Y	N	N	N	N	N	Y	02	A/K
17	17	Bhailabhai	N	N	Y	N	N	N	N	02	B/M
18	18	Mamtaben	N	Y	Y	N	N	N	N	02	M/M
19	19	Bhaga bhai	N	N	N	N	N	N	Y	01	B/M
20	20	Manibhai	Y	N	N	N	N	Y	N	01	M/M
21	21	Krushabhai	Y	N	N	N	N	N	Y	02	K.V.
22	22	Ranjambhai	N	N	N	N	N	Y	N	01	R/M
23	23	Hitesh Kumar	Y	N	N	N	N	Y	N	02	H/M
24	24	Kalpeshbhai	Y	N	N	N	N	Y	N	02	K.R.
25	25	Bababhai	Y	N	N	N	N	N	N	01	B/M
26	26	Ashvinbhai	N	N	N	N	N	N	N	00	A/M
27	27	Prakashbhai	Y	N	N	N	N	N	N	01	P/M
28	28	Aashaben	N	N	N	N	N	Y	N	01	A/M
29	29	Taraben	Y	N	N	N	N	N	Y	02	T/M
30	30	Sharmisthaben	N	N	N	N	N	Y	N	01	S/M



Principal
The HNSB. Ltd. Science College
Himatnagar-383 001

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Karnal
Reval vas & Muslim Vas

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 15/12/2026 ☐ Day: Sunday Time :12-30 to 1-30 PM
02

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
1	1	Pogala Nusalat	Y	N	N	N	N	N	Y	02	Nuslat
2	2	Pogala Sehnaz	Y	N	N	N	N	Y	N	02	Sehnaz
3	3	Haidar Ali Pathan	N	Y	N	N	N	N	N	01	Afsana
4	4	Furhany Pathan	Y	N	N	N	N	N	Y	02	Furhany
5	5	Habiba Fatima dailda	N	Y	N	N	N	N	N	01	habiba
6	6	Sabnam Saigad	Y	Y	N	N	N	Y	Y	04	Saigad
7	7	Saminu Pathan	Y	N	N	N	N	N	Y	02	Saminu

per
Principal
The HNSB. Ltd. Science College
Himatnagar-383 604

Sr. No	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rahisaben makaram	N	Y	N	N	N	N	Y	02	R.E.R.H.
9	9	Subenuband pathum	Y	N	N	N	N	N	Y	02	K.S.H.
10	10	Zulfarband Salyad	Y	Y	N	N	N	N	N	03	ZulFarah
11	11	chetnaben	Y	Y	Y	N	N	Y	Y	05	C.D.R
12	12	Sonal ben	N	N	N	N	N	Y	Y	02	S.N.H.
13	13	Jagruti ben	Y	N	N	N	N	Y	N	02	J.N.H.
14	14	Nita ben	N	N	N	N	N	Y	N	01	N.H.
15	15	Komal ben	Y	N	N	N	N	N	Y	02	K.N.H.
16	16	Ashvinkumar	Y	N	N	N	N	N	Y	02	A.N.H.
17	17	Bhola Bhui	N	N	N	N	N	Y	N	01	B.N.H.
18	18	namta ben	Y	N	Y	N	N	Y	Y	04	N.N.H.
19	19	Bhaga Bhui	Y	Y	N	N	N	N	N	02	B.S.H.
20	20	munibhai	N	Y	N	N	N	N	Y	02	M.N.H.
21	21	Khushbuben	Y	N	N	N	N	N	N	01	K.N.H.
22	22	Ahanjana ben	N	N	N	N	N	Y	N	01	A.N.H.
23	23	Hitesh Kumar	Y	Y	N	N	N	N	N	02	H.K.
24	24	Kalpeshbhai	N	N	N	N	N	N	Y	01	K.N.H.
25	25	Bababhai	Y	N	N	N	N	N	N	01	B.N.H.
26	26	Ashvimbhai	N	Y	N	N	N	N	Y	02	A.N.H.
27	27	Prakashbhai	Y	N	Y	N	N	N	N	01	P.N.H.
28	28	Aashaben	N	Y	N	N	N	N	Y	02	A.N.H.
29	29	Tara ben	N	N	N	N	Y	N	N	01	T.N.H.
30	30	sharmisthaben	Y	N	N	N	N	N	N	01	S.N.H.

The HNSB, Ltd. 600000
 Himatnagar-360001

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Kanval: Raval Vas & ~~Kan~~ Muslim Vas

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 16/02/2026 ☐ Day: Monday Time : 3-30 to 4-45 PM
03

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
1	1	Pogara Musartben	Y	N	N	N	N	Y	Y	03	Nasrath
2	2	Sehna2 pogara	Y	N	N	N	N	Y	Y	03	gijothi
3	3	Haider Ali pathan	Y	Y	N	N	N	N	Y	03	Atsena
4	4	Farhana pathan	Y	Y	N	N	N	N	Y	03	fadlon
5	5	Habiba Fatima qayda	Y	Y	N	N	N	Y	N	03	Habiba
6	6	Sabnumbunay saiyad	Y	Y	N	N	N	Y	Y	04	S.M. saiyad
7	7	Samina pathan	Y	Y	N	N	N	Y	Y	04	Pathan samina

P. V.
Principal
The HNSB. Ltd. Science College
Himatnagar-383 604

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rahisaben makrani	N	Y	N	N	N	N	Y	02	28/21
9	9	Sahebajbany patan	Y	N	N	N	N	Y	Y	03	21/21
10	10	Zulfambany saiyed	N	N	N	N	N	N	Y	01	Zulfambany
11	11	Chetna ben	Y	Y	N	N	N	Y	Y	04	C.D.R
12	12	Sonal ben	Y	Y	N	N	N	N	Y	03	21/21
13	13	Jagautiben	N	Y	Y	N	N	N	Y	03	21/21
14	14	Nitu ben	Y	Y	N	N	N	N	Y	03	07/01
15	15	Komal ben	Y	Y	N	N	N	Y	Y	04	Sinn
16	16	Ashvinkumar	Y	Y	N	N	N	N	N	02	21/21
17	17	Bhalubhai	Y	Y	N	N	N	N	N	02	21/21
18	18	Mamataben	Y	Y	N	N	N	Y	Y	04	mmn
19	19	Bhagabhai	N	N	N	N	N	N	N	01	BSK
20	20	Mamibhai	N	N	N	N	N	N	N	00	Shesha
21	21	Khushbuben	N	N	N	N	N	N	N	00	S.K.V.
22	22	Ramjamben	Y	N	N	N	N	Y	Y	03	21/21
23	23	Hiteshkumar	Y	Y	Y	N	Y	N	Y	05	21/21
24	24	Kalpeshbhai	Y	Y	Y	N	Y	N	Y	05	21/21
25	25	Bababhai	N	Y	Y	N	Y	N	Y	04	V/V
26	26	Ashvinbhai	N	Y	N	N	N	N	N	01	21/21
27	27	Prakashbhai	Y	Y	Y	N	N	N	Y	04	21/21
28	28	Aashaben	Y	Y	Y	N	Y	Y	Y	05	21/21
29	29	Taraben	Y	Y	N	N	N	Y	Y	04	21/21
30	30	Sharmisthaben	Y	N	N	N	N	N	Y	02	21/21

The HNSB. Ltd. Science Centre

 Himatnagar-383001

Project: Harit Setu: Campus to Community

Green Initiatives

Organized By: National Service Scheme (NSS)

College: The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited | ISO Certified

Village / Street Name: Katvad: Raval vas & Muslim vas

Activity: Daily Green Behaviour Mapping

Duration: 7 Days

Academic Year: 2025-26

☐ DAILY HOUSEHOLD GREEN MAPPING TABLE (DAY-WISE)

(One sheet per day – To be filled by NSS Volunteers)

☐ Date: 17.12.2026 ☐ Day: Tuesday Time : 1.15 to 2.00 PM

04

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
1	1	Nysaraben pogarva	Y	Y	N	500gm	N	N	Y	04	Nusef
2	2	Sahemababen pogarva	Y	Y	N	N	N	N	Y	03	Nusef
3	3	Heidar Ali Pathan	Y	Y	N	N	Y	Y	Y	05	Afreena
4	4	Faizunababen Pathan	Y	Y	N	N	N	Y	Y	04	Sahiba
5	5	Sabimababen saiyed	Y	Y	N	400gm	Y	N	Y	05	Sahiba
6	6	Samina Pathan	Y	Y	N	N	N	Y	Y	04	Pathan
7	7	Habiba Fatima Duxda	Y	N	N	N	N	N	N	01	Habiba

Principal

The HNSB. Ltd. Science College
Himatnagar-383004

Sr. No.	House No.	Head of Family	Cloth Bag Used (Y/N)	Waste Segregation (Y/N)	Compost Used (Y/N)	Compost Quantity (kg)	Bio-enzyme Used (Y/N)	No Single-Use Plastic (Y/N)	Plant Watered / Area Cleaned (Y/N)	Daily Score (0-7)	Volunteer Initial
8	8	Rahisaben Makrani	Y	Y	Y	N	N	N	Y	04	2107
9	9	Sahebajbani Patil	Y	Y	N	N	N	N	Y	03	210106
10	10	Zulfaraben Saheeb	Y	Y	Y	100gm	Y	N	Y	06	210101
11	11	Chetnaben	Y	Y	Y	200gm	Y	Y	Y	07	C.D.R
12	12	Sonalben	Y	N	N	N	N	N	Y	02	210107
13	13	Jagritiben	Y	Y	Y	300gm	N	N	Y	04	210101
14	14	Nitesben	Y	N	N	N	N	N	Y	02	210101
15	15	Komalben	Y	N	N	N	N	N	Y	02	210101
16	16	Ashvin Kumar A.	Y	Y	N	N	N	N	N	02	210101
17	17	Bhalabhai	Y	Y	N	N	N	N	N	02	210101
18	18	Mamta ben	Y	Y	Y	200gm	Y	N	Y	06	210101
19	19	Bhagabhai	Y	N	N	N	N	N	N	01	210101
20	20	Mani Bhai	Y	N	Y	N	N	N	N	02	210101
21	21	Khusbu ben	Y	N	Y	Y	N	N	N	03	210101
22	22	Ranjana ben	Y	N	N	N	N	N	Y	02	210101
23	23	Hitesh Kumar	Y	N	Y	N	N	N	Y	03	210101
24	24	Kalpesh bhai	Y	Y	Y	N	N	N	Y	04	210101
25	25	Ashvin bhai	Y	Y	Y	N	N	N	N	03	210101
26	26	Baba bhai	Y	Y	N	Y	N	N	Y	03	210101
27	27	Prakash bhai	Y	Y	Y	300gm	N	N	Y	05	210101
28	28	Aasha ben	Y	Y	N	N	N	N	Y	03	210101
29	29	Tara ben	Y	Y	Y	N	N	N	Y	04	210101
30	30	Sharmistha ben	Y	N	Y	N	N	N	Y	03	210101



Principal
The HNSB. Ltd. Science College
Himatnagar 383001



Managed by Himatnagar Kelavani Mandal, Himatnagar.
THE HNSB. LTD. SCIENCE COLLEGE

Himatnagar, Dist: Sabarkantha (Gujarat) : 383001.



Principal: Dr. P. S. Patel
(M) 94288 52751
NAAC Accredited 'B' Grade
GSIRF Rank "4 Star"

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in

GREEN COLLEGE (Platinum Rank)

Zone Code : 093
College Code : 056
ISO 9001:2015
ISO 21001:2018

Ref. No./2025-2026

Date: 12/2/2026

LETTER OF COLLABORATION

To,

The Head / Director

Katvad Primary School
Katvad
Ta: Himatnagar

Subject: Collaboration for Extension and Community Upliftment Activities

Dear Sir/Madam,

We are pleased to express our interest in establishing a collaborative association between **The HNSB. Ltd. Science College, Himatnagar** and your esteemed institution, Katvad Primary School, Katvad for undertaking various Extension and Community Upliftment Activities.

The proposed collaboration aims to promote social responsibility, environmental awareness, and community engagement among students and faculty members of both institutions. The key areas of collaboration envisaged under this association include Blood Donation Camps, AIDS Awareness Programs, Thalassemia Screening, Waste Management Awareness, Cleanliness Drives, Plantation Drives, Green Initiatives, Community Engagement Activities, and Health Awareness Programs.

Through this collaborative effort, both institutions can jointly contribute to the holistic development of society while providing students with experiential learning opportunities aligned with national priorities and institutional social responsibilities. Such initiatives will also



Principal
Principal
The HNSB. Ltd. Science College
Himatnagar-383 001



Managed by Himatnagar Kelavani Mandal, Himatnagar.
THE HNSB. LTD. SCIENCE COLLEGE

Himatnagar, Dist: Sabarkantha (Gujarat) : 383001.



Principal: Dr. P. S. Patel
(M) 94288 52751
NAAC Accredited 'B' Grade
GSIRF Rank "4 Star"

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in

GREEN COLLEGE (Platinum Rank)

Zone Code : 093
College Code : 056
ISO 9001:2015
ISO 21001:2018

Ref. No. /2025-2026

Date: 12/2/2026

strengthen outreach activities and support quality benchmarks. We strongly believe that this collaboration will be mutually beneficial and will result in meaningful and sustainable impact on the community. We look forward to your positive response and kind cooperation in formalizing this collaboration for the benefit of society at large.

Thanking you.

Yours sincerely,

Principal

The HNSB. Ltd. Science College
Himatnagar

Date: 12/2/26

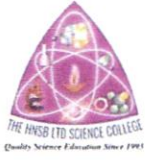
Place: Himatnagar




મુખ્ય શિક્ષક
કાટવાડ પ્રા.-શાળા
તા. હિમતનગર, જી.સા.કા.




Principal
The HNSB. Ltd. Science College
Himatnagar-383001



Managed by Himatnagar Kelavani Mandal, Himatnagar.
THE HNSB. LTD. SCIENCE COLLEGE

Himatnagar, Dist: Sabarkantha (Gujarat) : 383001.



Principal: Dr. P. S. Patel
(M) 94288 52751
NAAC Accredited 'B' Grade
GSIRF Rank "4 Star"

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in
GREEN COLLEGE (Platinum Rank)

Zone Code : 093
College Code : 056
ISO 9001:2015
ISO 21001:2018

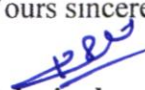
Ref. No./2025-2026

Date: 12/2/2026

strengthen outreach activities and support quality benchmarks. We strongly believe that this collaboration will be mutually beneficial and will result in meaningful and sustainable impact on the community. We look forward to your positive response and kind cooperation in formalizing this collaboration for the benefit of society at large.

Thanking you.

Yours sincerely,


Principal

The HNSB. Ltd. Science College
Himatnagar

Date: 12/2/26

Place: Himatnagar




તલાટ કમ મંત્રી
કાટવાડ ગ્રામ પંચાયત
તા. હિંમતનગર, જી. સા.કાં.


સરપંચ
કાટવાડ ગ્રામ પંચાયત
તા. હિંમતનગર, જી. સા.કાં.




Principal
The HNSB. Ltd. Science College
Himatnagar-383 001



Managed by Himatnagar Kelavani Mandal, Himatnagar.
THE HNSB. LTD. SCIENCE COLLEGE

Himatnagar, Dist: Sabarkantha (Gujarat) : 383001.



Principal: Dr. P. S. Patel
(M) 94288 52751
NAAC Accredited 'B' Grade
GSIRF Rank "4 Star"

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in
GREEN COLLEGE (Platinum Rank)

Zone Code : 093
College Code : 056
ISO 9001:2015
ISO 21001:2018

Ref. No. /202 - 202

Date: 12 / 2 /2026

LETTER OF COLLABORATION

To,

The Head / Director / Village Council Head & Revenue Officer

Katval Gram Panchayat

Katval

Ta: Himatnagar.

Subject: Collaboration for Extension and Community Upliftment Activities

Dear Sir/Madam,

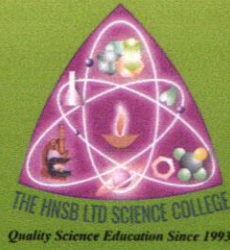
We are pleased to express our interest in establishing a collaborative association between **The HNSB. Ltd. Science College, Himatnagar** and your esteemed institution, Katval Gram Panchayat, Katval for undertaking various Extension and Community Upliftment Activities.

The proposed collaboration aims to promote social responsibility, environmental awareness, and community engagement among students and faculty members of both institutions. The key areas of collaboration envisaged under this association include Blood Donation Camps, AIDS Awareness Programs, Thalassemia Screening, Waste Management Awareness, Cleanliness Drives, Plantation Drives, Green Initiatives, Community Engagement Activities, and Health Awareness Programs.

Through this collaborative effort, both institutions can jointly contribute to the holistic development of society while providing students with experiential learning opportunities aligned with national priorities and institutional social responsibilities. Such initiatives will also




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THE HNSB. LTD. SCIENCE COLLEGE, HIMATNAGAR

NAAC Accredited : B Grade, GSIRF: 4 Star Rank, ISO: 9001:2015, 21001:2018

Managed By Himatnagar Kelvani Mandal

NSS Camp : At Katvad. Ta: Himatnagar

Organized By IQAC and NSS

HARIT SETU

Campus to Community
Green Initiatives



NSS PROGRAM OFFICER:

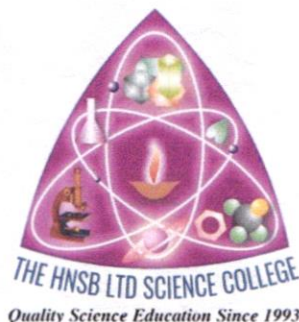
DR. K.V. GOSWAMI

IQAC COORDINATOR :

DR. Z.M. GADHAWALA

PRINCIPAL :

DR. P.S. PATEL



HARIT SETU: CAMPUS TO COMMUNITY GREEN INITIATIVES

**(A Sustainable Bridge between Academic Responsibility,
Carbon Accountability & Community Transformation)**

Organized by

**Internal Quality Assurance Cell (IQAC)
& National Service Scheme (NSS) Unit**

INSTITUTION

The HNSB. Ltd. Science College, Himatnagar
(NAAC Accredited | GSIRF Rated | ISO Certified)

LOCATION

Village: Katvad, Taluka: Himatnagar, Gujarat, India

PROJECT DURATION

14 February 2026 – 20 February 2026

NSS PROGRAM OFFICER:
DR. K.V. GOSWAMI

IQAC COORDINATOR :
DR. Z.M. GADHAWALA


PRINCIPAL :
DR. P.S. PATEL
Principal
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PREFACE: WHY HARIT SETU MATTERS TODAY

Environmental sustainability in the present era can no longer remain confined to symbolic plantation drives, one-day cleanliness campaigns, or slogan-based awareness programs. The escalating global climate crisis, increasing household waste burden, plastic pollution, drainage blockage, public health risks, and rising carbon emissions demand **scientific quantification, accountability, behavioral permanence, and strong community ownership**.

Recognizing this urgent need, **The HNSB. Ltd. Science College, Himatnagar**, through its **IQAC and NSS Unit**, conceptualized and implemented *Harit Setu: Campus to Community Green Initiatives* as a **science-driven sustainability bridge**. The project was designed to transform ordinary rural households into **carbon-conscious green units**, thereby extending the role of higher education institutions beyond classrooms into real-world environmental problem-solving.

Harit Setu redefined traditional extension activities by converting **environmental awareness into daily environmental action** and **green intention into measurable carbon reduction** at the household and street level.

WHY HARIT SETU IS CRITICALLY RELEVANT?

- Rapid increase in household waste generation due to changing lifestyles
- Plastic-induced drainage blockage leading to sanitation and health hazards
- Methane emissions caused by mixed dumping of wet and dry household waste
- Excessive and unsafe use of chemical cleaners in daily domestic activities
- Continuous decline in green cover at street and neighborhood levels

Through *Harit Setu*, **The HNSB. Ltd. Science College, Himatnagar** addressed these challenges by implementing **low-cost, locally adaptable, scientifically validated, and socially accepted solutions**. The initiative ensured that sustainability became **practical, participatory, and permanent**, making environmental responsibility achievable at the grassroots level while strengthening the institution's commitment to national environmental priorities and NAAC-mandated social responsibility.


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VISION & PHILOSOPHY

VISION

To convert **every household into a micro climate-action center**, where daily lifestyle practices contribute directly to carbon reduction, environmental protection, and sustainable development. This vision was articulated and operationalized by **The HNSB. Ltd. Science College, Himatnagar** through its *Harit Setu: Campus to Community Green Initiatives*, reflecting the institution's commitment to transforming scientific knowledge into societal impact.

PHILOSOPHY

“When waste is managed at home, carbon is reduced at the planet.”

The philosophical foundation of *Harit Setu* is rooted in the belief that **climate responsibility begins at the household level**. Instead of viewing homes merely as waste-generating units, **The HNSB. Ltd. Science College, Himatnagar** redefined each household as a **carbon-management and climate-responsibility unit**.

Through this approach, *Harit Setu* established a sustainable behavioral model where **small, consistent household actions cumulatively generate large-scale environmental benefits**, thereby reinforcing the role of higher education institutions as catalysts for climate-conscious citizenship.




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ALIGNMENT WITH NATIONAL VISION (INDIA @ 2047)

Harit Setu: Campus to Community Green Initiatives is closely aligned with the environmental, civic, and sustainability vision articulated by the Hon'ble Prime Minister of India, **Narendra Modi**, particularly his emphasis on citizen-led environmental responsibility and sustainable lifestyles.

Through this initiative, **The HNSB. Ltd. Science College, Himatnagar** translated national environmental missions into **practical, measurable, and community-owned actions** at the street and household levels.

KEY NATIONAL MISSIONS ADDRESSED

- **Swachh Bharat Abhiyan**

Promoting clean streets and villages by shifting responsibility to **household-level waste segregation, composting, and plastic avoidance**.

- **Mission LiFE (Lifestyle for Environment)**

- Encouraging sustainable daily habits such as the use of cloth bags, bio-enzyme cleaners, compost utilization, and plantation care.

- **Atmanirbhar Bharat**

- Developing **self-reliant households** capable of managing waste, producing compost, and preparing eco-friendly cleaning solutions using locally available resources.

- **India's Net-Zero Commitments**

- Enabling **grassroots carbon footprint reduction** through methane avoidance, plastic reduction, soil carbon enhancement, and household-level carbon accountability.

INSTITUTIONAL CONTRIBUTION

By operationalizing these national missions at the **street and household scale**, **The HNSB. Ltd. Science College, Himatnagar** successfully converted **policy vision into measurable grassroots action**. The project demonstrates how higher education institutions can serve as **implementation partners of national sustainability goals**, contributing meaningfully to **India @ 2047** through community-centered climate action.


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INTRODUCTION & CONCEPTUAL FRAMEWORK

Harit Setu: Campus to Community Green Initiatives is a **flagship community-engagement and sustainability project** conceptualized and implemented by **The HNSB. Ltd. Science College, Himatnagar** through its **Internal Quality Assurance Cell (IQAC)** and **National Service Scheme (NSS) Unit**. The initiative was designed to **translate institutional sustainability values into measurable, household-level environmental practices**, thereby expanding the role of higher education institutions in community-centered environmental action.

The project established a strong “**green bridge**” between:

- **Academic knowledge and rural life**, by applying environmental science concepts in real household environments
- **Environmental theory and daily habits**, by transforming awareness into routine green practices
- **Awareness and carbon accountability**, by linking daily actions with measurable environmental impact

Within this framework, **students acted as change agents**, applying scientific understanding, leadership, and communication skills, while **villagers participated as co-creators of sustainable solutions**, ensuring long-term ownership and continuity. The street was transformed into a **living sustainability laboratory**, where green practices were demonstrated, practiced, monitored, and refined under real-life conditions.

Conceptual Foundation

The conceptual foundation of *Harit Setu* reflects the educational philosophy of **The HNSB. Ltd. Science College, Himatnagar**, which emphasizes **experiential learning, scientific temper, social responsibility, and environmental ethics**. The initiative integrates classroom learning with field-based application, allowing students to observe, analyze, and improve environmental practices at the household level.

Institutional Integration

Harit Setu is not treated as a standalone activity but as an **integrated institutional initiative**, connecting academic knowledge, student engagement, faculty guidance, and community participation into a unified sustainability framework. This approach ensures continuity, scalability, and meaningful environmental impact.


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OBJECTIVES OF THE PROJECT

(Institution-Driven, Outcome-Oriented Framework)

The Harit Setu: Campus to Community Green Initiatives project was systematically designed and implemented by **The HNSB. Ltd. Science College, Himatnagar** with clearly defined environmental, educational, and community-focused objectives. These objectives reflect the institution's commitment to Environmental Objectives

- Reduce household carbon footprint through waste segregation, composting, plastic-free practices, plantation, and natural cleaners.
- Minimize methane emissions by diverting wet waste from dumping to household composting.
- Eliminate single-use plastic through regular use of reusable cloth bags.
- Improve soil fertility and soil carbon using natural compost from kitchen waste.

Educational Objectives

- Provide experiential environmental learning to students of **The HNSB. Ltd. Science College, Himatnagar**.
- Build student capacity in carbon literacy and sustainability science.
- Connect classroom science with real-life community action.

Community Objectives

- Develop a replicable Green Street Model in Katvad village.
- Establish long-term eco-habits at household level.
- Create a scalable framework for village and street-level sustainability.

PLANNING & METHODOLOGY (THREE-PHASE IMPLEMENTATION MODEL)

The successful execution of *Harit Setu: Campus to Community Green Initiatives* was the result of a **systematic, participatory, and phase-wise methodology** adopted by **The HNSB. Ltd. Science College, Himatnagar**.

The project design ensured **administrative coordination, scientific awareness, household-level implementation, and continuous monitoring**, thereby converting intent into impact.


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PHASE I – ADMINISTRATIVE & COMMUNITY GROUNDING

To ensure smooth implementation and long-term acceptance, the project commenced with **formal administrative and community-level grounding**.

A **strategic preparatory meeting** was organized at Katvad village with the participation of key local stakeholders:

- Revenue Officer
- Village Council Head
- Principal, Katvad Primary School – **Mr. Sunil Bhai Patel**

This meeting was **jointly led and coordinated by:**

- Dr. K. V. Goswami**
- Dr. B. A. Patel**

Purpose of Phase I

- To obtain administrative support and local approval
- To establish linkage between the college, village governance, and school
- To introduce the vision of **Harit Setu** as a collaborative initiative
- To ensure community participation rather than external intervention

This phase laid the **foundation of trust, coordination, and ownership**, ensuring that the project would be welcomed and sustained by the village community.



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PHASE II – AWARENESS, KNOWLEDGE, SENSITIZATION AND GREEN INITIATIVES ACTIVITIES

(A) Awareness Seminar: “Why Green Street?”

A comprehensive awareness seminar titled “Why Green Street?” was organized to introduce the conceptual and scientific framework of the project.

RESOURCE PERSON:

- Dr. Z. M. Gadhawala

DISTINGUISHED PRESENCE:

- Principal – Dr. P. S. Patel
- NSS Coordinator – Dr. K. V. Goswami
- Dr. M. M. Prajapati
- Dr. R. N. Gadsa
- Katvad Primary School students
- Village residents

CORE THEMES EXPLAINED

- Concept of *Green Street* as a collective household responsibility
- Household carbon footprint and its environmental impact
- Scientific importance of:
 - Wet and dry waste segregation
 - Composting as carbon recycling
 - Plastic avoidance as fossil fuel reduction

The seminar translated **environmental science into simple household actions**, enabling villagers to understand *why* each activity mattered.



Awareness Seminar Video

(B) Street Rally: Environmental Sensitization Drive

Following the seminar, a **street rally** was organized to reinforce awareness through visual and participatory communication.

Participants:

- NSS volunteers
- Faculty members
- Katvad Primary School children

Environmental Slogans Displayed:

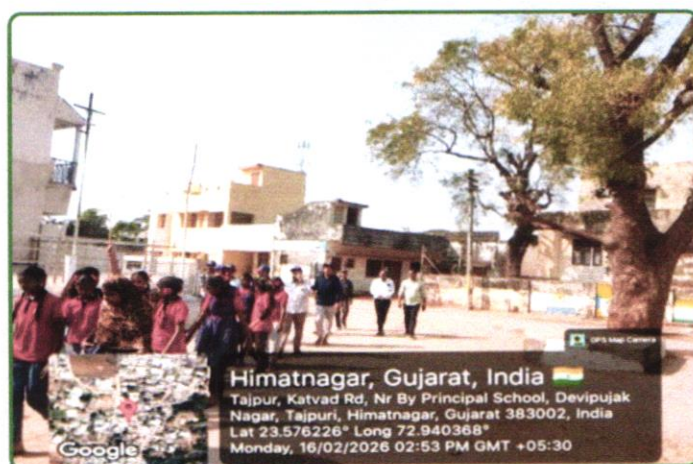
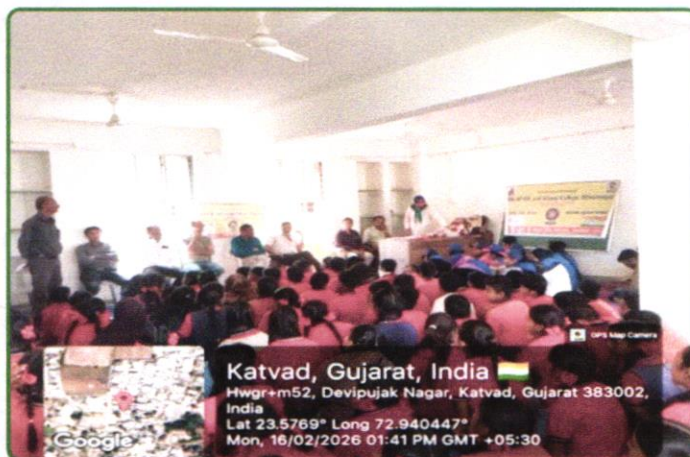
- *Separate Wet and Dry Waste*
- *Do Plantation and Save Life*
- *Protect and Adopt Trees*
- *Do Plantation and Save Nation*
- *Use Natural Compost and Save Life*



Street Rally Video



The rally created **collective visibility, enthusiasm, and social motivation**, transforming environmental responsibility into a shared village movement.



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PSP Speech

(C)HOUSEHOLD IMPLEMENTATION & MONITORING

The most crucial phase of the project focused on **direct household-level intervention**, ensuring conversion of awareness into daily practice.

Field Leadership Team:

- Dr. Z. M. Gadhawala
- Dr. K. V. Goswami
- Dr. B. A. Patel

Under their guidance, **student teams conducted** door-to-door visits across the selected street.

Household-Level Actions

During each visit, the teams:

- Hung **cloth bags** at the entrance or passage of every household
- Launched the **Green Bag Mission** to eliminate plastic carry bags
- Explained the environmental and carbon impact of plastic usage
- Introduced all activities of the Harit Setu project
- Clearly explained:
 - Daily marking system
 - Green Sticker rewards
 - Final Green House Awards

Villagers were informed that **each daily green habit directly contributes to carbon reduction**, making them active participants in climate action.

Methodological Strength of This Phase

- Direct interaction ensured **personal responsibility**
- Visual reminders (cloth bags) encouraged behavior continuity
- Transparent marking system created **motivation through accountability**
- Students acted as **facilitators, not inspectors**, strengthening trust

This phase transformed households into **measurable, auditable, carbon-conscious green units**.



Door to Door Registration



Door to Door Registration



Door to Door Registration

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Methodology Summary

The three-phase methodology ensured that:

- ✓ Planning was participatory
- ✓ Awareness was science-based
- ✓ Implementation was household-centric
- ✓ Monitoring was measurable
- ✓ Outcomes were sustainable

Together, these phases converted *Harit Setu* into a **living model of campus–community environmental partnership**.

Bags distribution 01



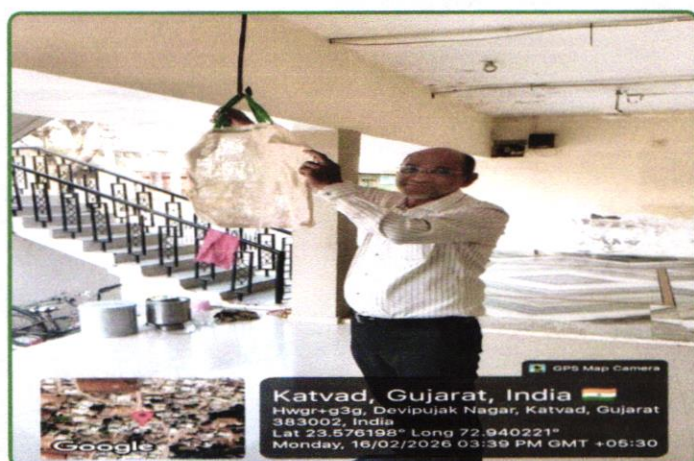
Bags Video



Bags distribution 02



Bags Video




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(A) HANDS-ON WORKSHOPS & PREPARATION METHODS

Translating Environmental Science into Community Action

Hands-on workshops formed the practical backbone of the Green Street / Harit Setu initiative of the college. These activities enabled students and villagers to **learn by doing**, ensuring long-term adoption of eco-friendly practices at the household level.

Compost Preparation – *The Science & Practice*

A practical demonstration on **scientific household composting** was conducted to convert biodegradable waste into nutrient-rich organic manure.

Resource Persons:

- Prof. A. P. Khamar
- Dr. Z. M. Gadhwala

Methodology Explained & Demonstrated:

Participants were guided step-by-step through the composting process:

- 1.**Bottom Layer:** Dry waste (dry leaves, paper, straw) for aeration
- 2.**Second Layer:** Wet kitchen waste (vegetable peels, food residues)
- 3.**Third Layer:** Soil mixed with cow dung to introduce decomposer microbes
- 4.**Activator Spray:** Jaggery-water solution enriched with beneficial microorganisms
- 5.**Layer Repetition:** Layers repeated until the compost pot was filled

The scientific logic behind **carbon recycling, microbial activity, and methane prevention** was explained in simple language.

🕒 **Compost Maturity Period:** 30–45 days

□ Outcome:

- 30 compost pots** were prepared on-site
- Pots were **gifted to selected households** as live demonstration units
- Each household was trained for independent continuationCompost-1This activity directly addressed **organic waste management and soil carbon enhancement**.



Compost-1



Compost-2



Compost-3


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Compost-4

Compost-4



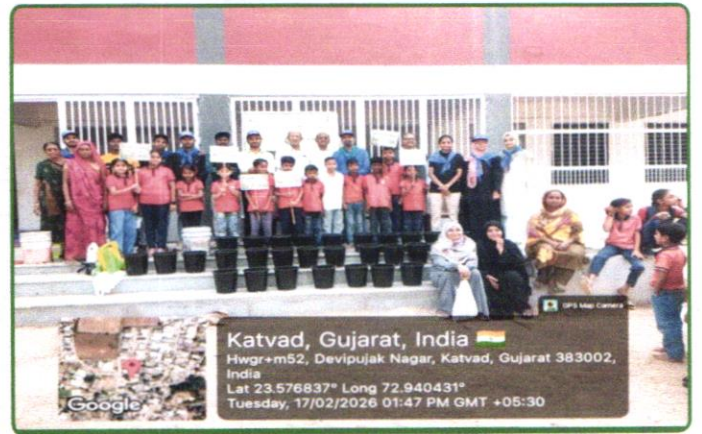
Compost-5

Compost-5



Compost-6

Compost-6



FEED BACK-1
About Compost



FEED BACK-2
About Compost



Plastic-Free Drive – From Awareness to Action

A street-level **Plastic-Free Drive** was organized to reinforce the concept of **plastic avoidance and responsible consumption**.

Activity Lead:

•Dr. K. V. Goswami

With the active involvement of **NSS volunteers and students**, plastic waste was physically collected from the street and segregated.

Key Learning Outcomes:

- Visual realization of plastic accumulation
- Understanding the **fossil-fuel origin of plastics**
- Reinforcement of cloth-bag usage under the **Green Bag Mission**

This activity created a strong behavioral impact, especially among school children and households.



Plastic Free Drive



Plastic Free Drive



Bio-Enzyme Starter Preparation – Low-Carbon Household Chemistry

A live demonstration workshop was conducted on preparing **bio-enzymes** as eco-friendly alternatives to chemical cleaners.

Resource Person:

•Dr. N. I. Patel

Preparation Ratio Explained: 3 : 1 : 10

- Citrus fruit waste
- Jaggery
- Water
- small quantity of curd (as fermentation starter)

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Prep.of B.E

Bio Enzyme Preparation-1

Demonstrated Uses:

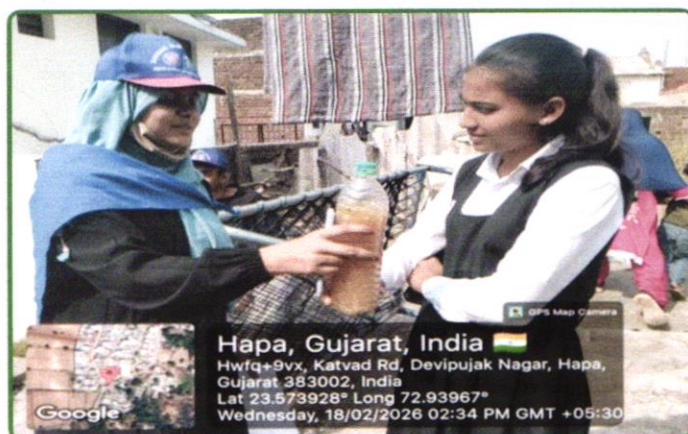
- Floor and surface cleaning
- Toilet and drainage maintenance
- Odour control
- Plant growth enhancement

□ Outcome:

- **30 bio-enzyme starter bottles** prepared during the workshop
- Bottles were **distributed to households** with usage guidance
- Encouraged replacement of **chemical cleaners**, reducing **chemical carbon footprint**



Bio Enzyme Preparation-2




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FEED BACK of Bio Enzyme Starter:

- (1) By : Dr.Vaibhav Patel,
Pluto Hospital, Himatnagar
- (2) By: Revenue Officer &
Village Council Head, Katvad



Feedback by Dr.Vaibhav



Feedback by Sarpanch



Beautification & Plantation – Carbon Sequestration at Doorstep

To strengthen the ecological and visual impact of the Green Street, a plantation and beautification drive was organized.

Resource Person:

- Dr. M. P. Tintisara

Activity Highlights:

- Selection of **locally suitable, low-maintenance plants**
- Demonstration of planting techniques and watering schedules
- Explanation of plants' role in **CO₂ sequestration and micro-climate improvement**

□ Outcome:

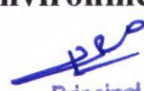
- 30 saplings planted and gifted** to households
- Each plant symbolized a **carbon-absorbing unit** under the Green Street model
- Households were motivated to take ownership of plant care

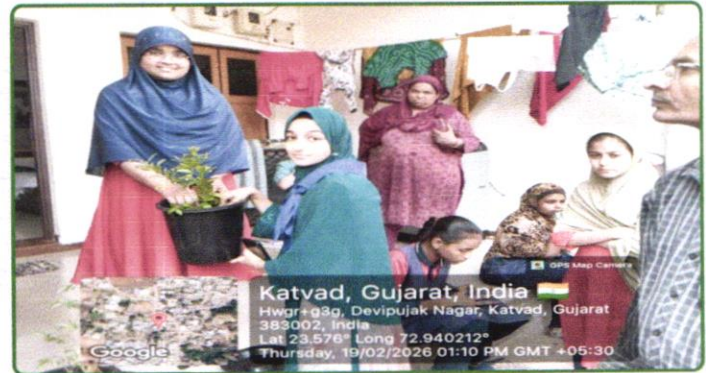
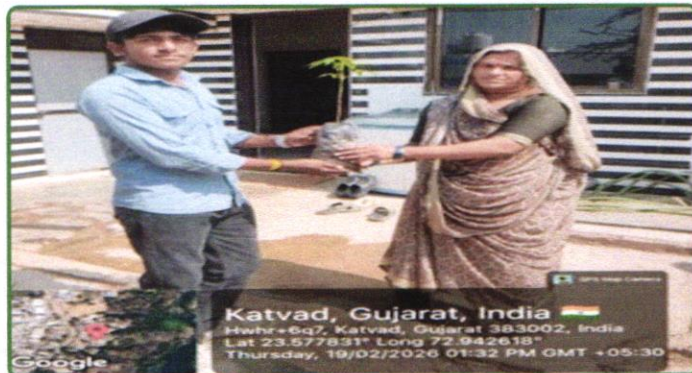
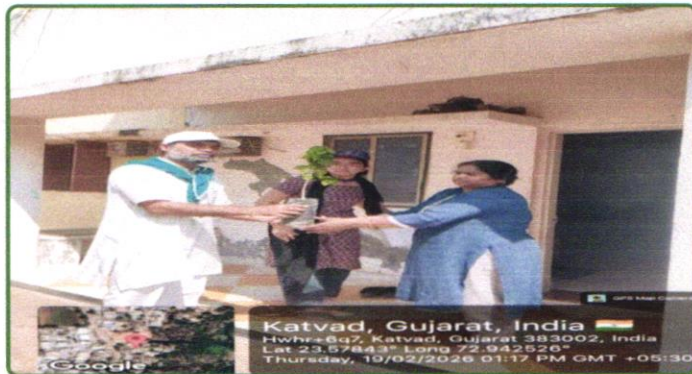
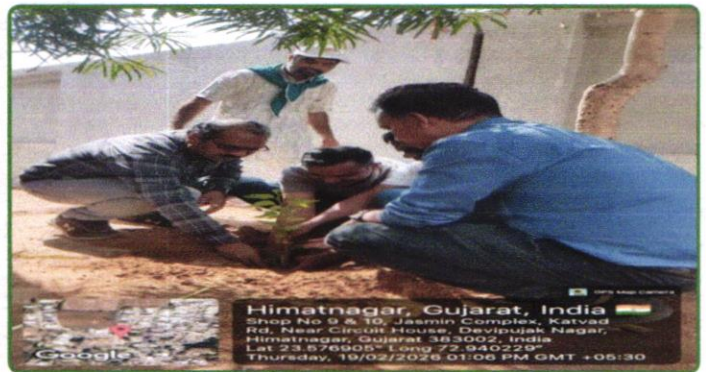
Overall Impact of Hands-On Workshops

These workshops transformed the Green Street initiative into a **participatory environmental laboratory**, where:

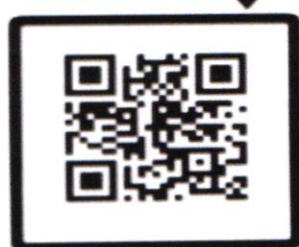
- Students applied classroom science in real settings
- Villagers gained confidence in sustainable practices

The college demonstrated leadership in **action-based environmental education**


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Plantation -1



Plantation -2



Plantation -3



Plantation -4



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PHASE III: DAILY MONITORING, GREEN AUDIT & DOCUMENTARY EVIDENCE

Ensuring Accountability, Transparency & Measurable Impact

To ensure that the *Harit Setu: Campus to Community Green Initiatives* was not limited to awareness alone, **The HNSB. Ltd. Science College, Himatnagar** implemented a **structured daily monitoring and audit system**. This system transformed environmental practices into **measurable, verifiable, and document-supported outcomes**.

Daily Green Habit Monitoring System

A **Daily Green Habit Form** was designed and implemented for each participating household under faculty supervision.

Monitoring Parameters:

Each household was observed and guided daily on:

- Wet-dry waste segregation
- Household composting practice
- Avoidance of single-use plastic
- Cloth bag usage
- Plant care and watering
- Bio-enzyme preparation and use
- Overall cleanliness

Faculty members and NSS student volunteers conducted **door-to-door monitoring**, ensuring:

- Regular follow-up
- On-site correction and guidance
- Habit reinforcement through positive feedback

This daily engagement converted **one-time instructions into permanent eco-habits**.

Final Green Audit – Household-Level Environmental Assessment

At the completion of the initiative, a **Final Green Audit** was conducted by faculty members of the college to assess:

- Adoption level of green practices
- Continuity of composting and bio-enzyme use
- Reduction in plastic dependency
- Plantation survival and maintenance
- Overall household environmental responsibility

Each household was evaluated using the **7-Point Green Habit Scorecard**, linking practices with **carbon logic and climate impact**.

□ Audit Outcomes:

- Identification of *model green households*
- Validation of Green Street transformation
- Creation of evidence for institutional reporting and best-practice documentation

Green audit monitoring -1



Green audit monitoring -2



Green audit monitoring -3



GREEN STREET MARKING & CARBON ACCOUNTABILITY SYSTEM

(Household-Level Environmental Performance Framework)

To ensure that **Harit Setu: Campus to Community Green Initiatives** moved beyond awareness into **measurable environmental action**, The HNSB. Ltd. Science College, Himatnagar designed and implemented a **Daily Green Habit & Carbon Accountability System** at the household level.

Each registered household in Katvad village was evaluated **daily** using a **7-point Green Habit Scorecard**, administered by student volunteers under faculty supervision. This system directly linked **daily lifestyle practices with scientifically explainable carbon-reduction outcomes**.

Daily Green Habit Scorecard Framework

Green Practice	Marks / Day	Carbon Accountability Logic
Wet-Dry waste segregation	1	Prevents methane (CH ₄) formation from mixed waste dumping
Household composting	1	Recycles organic carbon back to soil, avoiding landfill emissions
No use of plastic	1	Reduces fossil-fuel-based plastic production and disposal
Cloth bag usage	1	Offsets single-use plastic demand through reusability
Plant care & regular watering	1	Enables CO ₂ sequestration and micro-climate regulation
Bio-enzyme preparation / usage	1	Replaces chemical cleaners with low-carbon natural alternatives
Household & surrounding cleanliness	1	Reduces sanitation load, disease risk, and resource-intensive cleaning

Maximum Marks per Household per Day: 7

Performance Recognition Mechanism

- **≥5 Marks per Day** → *Green Sticker* awarded to the household
- **Cumulative Performance (7 days)** → *Final Green Audit*
- **Top 3 Scoring Households** → *Green House Awards (1st, 2nd & 3rd)*


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This transparent evaluation and recognition system converted sustainability from **voluntary intention into accountable daily behavior**, fostering healthy competition and collective responsibility within the community.

Academic & Social Significance

- Enabled **micro-level carbon accountability** at household scale
- Trained students of *The HNSB. Ltd. Science College, Himatnagar* in **environmental auditing, carbon literacy, and community science**
- Created a **documented, evidence-based monitoring system** suitable for institutional best-practice reporting
- Established a **replicable green street performance model** adaptable to other villages, urban streets, and campuses

Key Insight

By converting daily habits into measurable carbon-impact indicators, the Green Street Marking System ensured that sustainability was **lived, monitored, rewarded, and sustained**, not merely discussed.

CARBON FOOTPRINT (C-FOOTPRINT) INTEGRATION

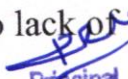
(Institutional–Community Model Implemented by the College)

Baseline Scenario (*Before Intervention by the College*)

Prior to the implementation of the Green Street initiative led by the college, the village households followed conventional domestic practices that unintentionally contributed to environmental degradation:

- **Mixed household waste disposal** resulted in anaerobic decomposition, leading to **methane emissions**, a potent greenhouse gas.
- **Routine use of single-use plastic carry bags** created long-term fossil-fuel dependency and non-biodegradable waste accumulation.
- **Chemical cleaning agents** were widely used, contributing to high **embodied carbon** and water contamination.
- **Absence of household composting** led to the loss of valuable organic carbon that could otherwise enrich soil.
- **Lack of plantation and plant maintenance** meant no active mechanism for **carbon sequestration** at the household level.

Overall, the baseline scenario reflected a **carbon-positive lifestyle**, largely due to lack of awareness, limited scientific exposure, and absence of structured guidance.


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Green House Awards, Institutional Recognition & Community Celebration

Based on the **Final Green Audit conducted by NSS student volunteers under the direct observation and validation of faculty members**, exemplary households were identified for their consistent and sincere adoption of green practices:

- **1st Green House Award:** *Smt. Shabnam Banu Saiyad*
- **2nd Green House Award:** *Smt. Chetnaben*
- **3rd Green House Award:** *Smt. Mamtaben*

Award Certificates and Shields were presented during a **community-level felicitation programme** organized in Katvad village. The event was attended by the **Principal and faculty members of The HNSB. Ltd. Science College, Himatnagar**, the Principal of Primary School, Katvad, the Sarpanch and Talati, village council members, villagers, and school children—making it a true **people-centric sustainability celebration**.

Institutional Recognition by Local Administration

In recognition of the **institutional contribution to environmental stewardship and community transformation**, Harit Setu Award Certificates were formally conferred upon The HNSB. Ltd. Science College, Himatnagar by the Revenue Officer and the Village Council Head of Katvad Village.

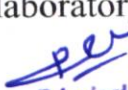
This formal honour symbolized a **strong college-administration-community linkage**, acknowledging the college's leadership in translating academic expertise into **measurable, verifiable, and socially impactful environmental action**. The recognition further reinforced the role of higher education institutions as **drivers of sustainable rural development and responsible citizenship**.

As an extension of the initiative, **plant pots and saplings were distributed to the Primary School, Katvad**, ensuring early-age environmental sensitization and continuity of green values among school children. The visible happiness and pride among villagers reflected the **social acceptance, ownership, and success** of the initiative.

Innovations of the Practice

- **7-Point Daily Green Habit Scorecard** with carbon logic
- **Green Street Marking System**, converting a street into a living sustainability laboratory
- **Green Sticker & Award Mechanism** for daily motivation
- **Household-level carbon accountability**, rarely practiced at micro scale
- **Integration of monitoring, mentoring, and motivation**

These innovations transformed sustainability from **awareness-based participation into accountable daily behavior**.


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Challenges Faced and Strategies Adopted

Challenge	Mitigation Strategy
Resistance to habit change	Repeated counseling and scientific explanation
Irregular composting	Live demonstrations and corrective guidance
Plastic dependence	Continuous follow-up and cloth bag promotion
Monitoring fatigue	Student rotation and faculty supervision
Sustaining motivation	Recognition, stickers, and public appreciation

Replicability & Scalability

The **Harit Setu Green Street Model** is **simple, low-cost, and highly replicable**.

It can be effectively implemented in:

- Other villages
- Urban residential societies
- College hostels and campuses
- Schools and municipal wards

The model requires **minimum infrastructure**, relies on **human engagement and scientific logic**, and can be **customized without losing its core accountability framework**.

Key Insight

By converting everyday household habits into measurable carbon-impact indicators and formally recognizing both community members and the institution, the Harit Setu initiative ensured that sustainability was lived, monitored, rewarded, and sustained—creating a model where education meets action

Feedback of Harit setu





Award-1



Award-2



Award-3



Post-Intervention Scenario

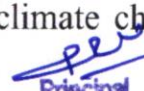
(After College-Led Harit Setu / Green Street Implementation)

Following systematic intervention by the college through NSS, faculty mentorship, and student participation, a measurable shift toward **carbon-responsible living** was observed:

- **Scientific waste segregation (wet & dry)** was adopted by households, resulting in effective **methane avoidance**.
- **Household composting practices** enabled **carbon recycling**, converting organic waste into nutrient-rich compost.
- **Cloth bag adoption under the Green Bag Mission** significantly reduced plastic usage, leading to **plastic-carbon offset**.
- **Bio-enzyme preparation and usage**, demonstrated by faculty and students, replaced chemical cleaners, ensuring **chemical carbon reduction**.
- **Plantation and regular plant care** at household entrances enhanced **CO₂ sequestration** and improved micro-climate conditions.

Institutional Impact Perspective

Through this intervention, the college successfully translated **classroom knowledge into climate action**, enabling students to understand carbon science while empowering the community to adopt sustainable practices. The initiative transformed the village street into a **living laboratory of carbon accountability**, demonstrating the institution's role in mitigating climate change at the grassroots level.


Principal
The HNSB. Ltd. Science College
Himatnagar-383 604

Photographic & Video Documentation (Evidence Collection)

Comprehensive **visual documentation** was systematically collected to ensure transparency and future replication.

Evidence Collected:

- Photographs of:
 - Compost preparation
 - Bio-enzyme workshops
 - Plantation and beautification
 - Plastic-free drive
 - Street rallies and seminars
- Short videos showing:
 - Household practices
 - Student-community interaction
 - Green Street marking system
- **Feedback videos** from:
 - Villagers
 - School children
 - Participating households

These evidences collectively demonstrate the **real-time environmental transformation** achieved through the initiative.



OUTCOMES OF HARIT SETU: CAMPUS TO COMMUNITY GREEN INITIATIVES

Outcome-Based Contributions of The HNSB. Ltd. Science College, Himatnagar

The outcomes of *Harit Setu* represent a **three-tier impact model**, where the institution provided direction, faculty ensured scientific rigor, and students delivered grassroots execution resulting in **measurable environmental, social, and educational transformation**.

(A) Institutional-Level Outcomes (College Outcomes)

Outcome 1: Transformation of the College into a Community Climate Leader

Through *Harit Setu*, **The HNSB. Ltd. Science College, Himatnagar** emerged as a **local climate-action hub**, demonstrating how a higher education institution can directly influence household behavior and environmental quality beyond the campus.

Outcome 2: Establishment of a Replicable Green Street Model

The college successfully designed and implemented a **structured Green Street framework**, integrating waste management, plastic avoidance, composting, bio-enzymes, plantation, monitoring, and awards into one coherent model that can be replicated in other villages and urban streets.



Outcome 3: Strengthened Institutional–Community Trust

By sustained engagement through faculty and students, the college strengthened its image as a socially responsible institution committed to the long-term wellbeing of society, not limited to academic delivery.

(B) Faculty-Driven Outcomes (Academic & Scientific Outcomes)

Outcome 4: Scientifically Valid Household Environmental Practices

Faculty members ensured that every activity—waste segregation, compost preparation, bio-enzyme formulation, and plantation—was **scientifically accurate, environmentally safe, and practically feasible**, preventing superficial or incorrect green practices.

Outcome 5: Conversion of Environmental Theory into Applied Science

Faculty successfully translated complex concepts such as methane emission, carbon recycling, chemical carbon load, and CO₂ sequestration into simple household-level practices, ensuring conceptual clarity among students and villagers alike.

Outcome 6: Quality-Controlled Implementation and Monitoring

Through faculty supervision, daily monitoring formats, audits, and evaluation systems maintained academic discipline, data reliability, and outcome measurability—key indicators of institutional maturity.

(C) Student-Driven Outcomes (Implementation & Nation-Building Outcomes)

Outcome 7: Development of Environmentally Responsible Citizens

NSS students evolved from passive learners into **environmental educators and climate volunteers**, demonstrating responsible citizenship through consistent household engagement and follow-up.

Outcome 8: Measurable Reduction in Household Carbon Footprint

Under faculty guidance, students implemented waste segregation, composting, plastic avoidance, bio-enzyme usage, and plantation in 30 households, resulting in tangible reduction in methane emissions, plastic waste, and chemical usage.

Outcome 9: Leadership, Communication, and Social Sensitivity

Students developed leadership and interpersonal skills by explaining scientific practices to villagers, conducting rallies and demonstrations, maintaining daily records, and motivating families through the Green Sticker system.

(A) Community-Centric Outcomes (Shared Impact)

Outcome 10: Cleaner, Healthier, and Economically Beneficial Households

Households experienced cleaner surroundings, reduced waste burden, cost savings from compost and bio-enzymes, and improved hygiene—directly linked to student-led implementation and faculty-designed methods.

Outcome 11: Permanent Eco-Habits at Family Level

Through daily monitoring and positive reinforcement, eco-friendly practices shifted from *activities* to *habits*, ensuring sustainability beyond the project duration.

(B) Integrated Nation-Building Outcomes

Outcome 12: Grassroots Contribution to National Environmental Goals

By embedding carbon accountability at household level, *Harit Setu* contributed to broader national objectives of cleanliness, sustainability, and climate responsibility.

Outcome 13: Youth Participation in Nation Building

Students of **The HNSB. Ltd. Science College, Himatnagar** experienced first-hand that **nation building begins with disciplined daily actions**, not only policy discourse.

Consolidated Outcome Statement

The success of *Harit Setu* lies in its **integrated outcome structure**, where:

- The **college** provided vision and structure
- **Faculty** ensured scientific credibility and mentoring
- **Students** delivered action and accountability

Together, they transformed a village street into a **living model of sustainable India**.

MIRROR TO SOCIETY: ROLE OF THE COLLEGE

@**The HNSB. Ltd. Science College, Himatnagar** acted as a powerful **scientific and moral mirror** for society through *Harit Setu*.

@The HNSB. Ltd. Science College, Himatnagar demonstrated how a college can lead community transformation beyond academics.

@Through **Harit Setu**, The HNSB. Ltd. Science College, Himatnagar reflected a future of clean streets and responsible households.

@Faculty of The HNSB. Ltd. Science College, Himatnagar ensured science-based, ethical, and practical guidance.

@Students of The HNSB. Ltd. Science College, Himatnagar emerged as climate ambassadors and nation builders.

Harit Setu National Appeal: A Transformative Message for Swachh, Swasth & Sustainable Bharat 2047



On behalf of the IQAC and NSS Unit of The HNSB. Ltd. Science College, Himatnagar, we present a visionary and transformative appeal to the Government of India to realize the dream of a truly **Swachh, Swasth, and Sustainable Bharat by 2047, as envisioned by Narendra Modi**. Our Harit Setu initiative has demonstrated that environmental transformation is not born from occasional campaigns, but from disciplined, science-driven daily practices rooted at the household level. We strongly urge that every Gram Panchayat, Nagar Palika, and Municipal Corporation adopt a decentralized, community-driven model where waste is scientifically segregated at source, organic waste is converted into nutrient-rich compost, and plastic dependency is systematically eliminated through sustainable alternatives like cloth bags. In addition, local governing authorities should take proactive responsibility for establishing small-scale production units at village, town, and city levels for compost and bio-enzyme preparation using collected organic waste. These eco-products, generated through community waste, should be systematically distributed back to citizens for household and agricultural use, creating a circular, self-sustaining green economy. Such authority-led production and distribution systems will not only ensure continuity and quality but also strengthen public trust and participation in environmental practices.

Further, we recommend the establishment of structured bio-enzyme production and training centers, enabling households to replace chemical cleaners with eco-friendly solutions, thereby reducing chemical carbon load and protecting water ecosystems. Educational institutions must be empowered as catalytic partners, where students act as climate ambassadors, bridging scientific knowledge with grassroots implementation. A structured monitoring framework, supported by green habit scorecards and community recognition systems, will ensure accountability, motivation, and continuity of eco-friendly practices.

This model is not merely an initiative, but a replicable blueprint of environmental citizenship, capable of transforming streets into living laboratories of sustainability. If institutionalized at the national level, such a system will not only reduce carbon footprints and landfill burdens but will also cultivate a culture of responsibility, self-reliance, and ecological ethics among citizens. We firmly believe that by integrating authority-driven production, community participation, and scientific monitoring, India can emerge as a global leader in grassroots climate action, fulfilling the collective aspiration of a cleaner, healthier, and environmentally resilient nation.

