

ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory body of the Government of Andhra Pradesh)

3rd, 4th and 5th floors, Neeladri Towers, Sri Ram Nagar, 6th Battalion Road,
Atmakur (V), Mangalagiri (M), Guntur-522 503, Andhra Pradesh

Web: www.apsche.org **Email:** acapsche@gmail.com

SYLLABUS OF

ENVIRONMENTAL EDUCATION

AS PART OF LIFE SKILLS COURSES

UNDER CBCS FRAMEWORK WITH EFFECT FROM 2020-21

PROGRAMME: FOUR-YEAR UG HONOURS PROGRAMME

AP State Council of Higher Education

Revised Syllabus under CBCS Pattern
(w.e.f. 2020-'21 Academic Year)

A Mandatory Course for BA/BCom/BSc etc.

ENVIRONMENTAL EDUCATION

(Total hours of Teaching – 30 Hrs. @ 02 Hrs. per Week)

Course objective: A Generic Course intended to create awareness that the life of human beings is an integral part of environment and to inculcate the skills required to protect environment from all sides.

Learning outcomes: On completion of this course the students will be able to

1. Understand the nature, components of an ecosystem and that humans are an integral part of nature.
2. Realize the importance of environment, the goods and services of a healthy biodiversity, dependence of humans on environment.
3. Evaluate the ways and ill effects of destruction of environment, population explosion on ecosystems and global problems consequent to anthropogenic activities.
4. Discuss the laws/ acts made by government to prevent pollution, to protect biodiversity and environment as a whole.
5. Acquaint with international agreements and national movements, and realize citizen's role in protecting environment and nature.

Unit 1: Environment and Natural Resources

06 Hrs.

1. Multidisciplinary nature of environmental education; scope and importance.
2. Man as an integral product and part of the Nature.
3. A brief account of land, forest and water resources in India and their importance.

4. Biodiversity : Definition; importance of Biodiversity - ecological,consumptive, productive, social, ethical and moral, aesthetic, and option value.
5. Levels of Biodiversity: genetic, species and ecosystem diversity.

Unit-2: Environmental degradation and impacts

10Hrs

1. Human population growth and its impacts on environment; land use change, land degradation, soil erosion and desertification.
2. Use and over-exploitation of surface and ground water, construction of dams, floods, conflicts over water (within India).
3. Deforestation: Causes and effects due to expansion of agriculture, firewood, mining, forest fires and building of new habitats.
4. Non-renewable energy resources, their utilization and influences.
5. A brief account of air, water, soil and noise pollutions; Biological, industrial and solid wastes in urban areas. Human health and economic risks.
6. Green house effect - global warming; ocean acidification, ozone layer depletion, acid rains and impacts on human communities and agriculture.
7. Threats to biodiversity: Natural calamities, habitat destruction and fragmentation, over exploitation, hunting and poaching, introduction of exotic species, pollution, predator and pest control.

Unit 3: Conservation of Environment

10 Hrs

1. Concept of sustainability and sustainable development with judicious use of land, water and forest resources; afforestation.
2. Control measures for various types of pollution; use of renewable and alternate sources of energy.
3. Solid waste management: Control measures of urban and industrial waste.
4. Conservation of biodiversity: In-situ and ex-situ conservation of biodiversity.
5. Environment Laws: Environment Protection Act; Act; Wildlife Protection Act; Forest Conservation Act.
6. International agreements: Montreal and Kyoto protocols; Environmental movements: Bishnois of Rajasthan, Chipko, Silent valley.

Suggested activities to learner: (4 hours)

1. Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc
2. Visit to a local polluted site-Urban/Rural/Industrial/Agricultural site.
3. Study of common plants, insects, birds and basic principles of identification.
4. Study of simple ecosystems-forest, tank, pond, lake, mangroves etc.
5. Case study of a Forest ecosystem or a pond ecosystem.

Suggested text book :

- ErachBarucha (2004) *Text book of Environmental Studies for Undergraduate courses* (Prepared for University Grants Commission) Universities Press.
- PurnimaSmarath (2018) *Environmental studies* Kalyani Publishers, Ludhiana

Reference books :

- Odum, E.P., Odum, H.T. & Andrews, J. (1971) *Fundamentals of Ecology*. Philadelphia: Saunders.
- Pepper, I.L., Gerba, C.P. & Brusseau, M.L. (2011). *Environmental and Pollution Science*. Academic Press.
- Raven, P.H., Hassenzahl, D.M. & Berg, L.R. (2012) *Environment. 8th edition*. John Wiley & Sons.
- Singh, J.S., Singh, S.P. and Gupta, S.R. (2014) *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
- Sengupta, R. (2003) *Ecology and economics: An approach to sustainable development*. OUP.
- Wilson, E. O. (2006) *The Creation: An appeal to save life on earth*. New York: Norton.
- Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll (2006) *Principles of Conservation Biology*. Sunderland: Sinauer Associates,

**Model question paper for theory examination at the end of IV Semester
Life Skill Course / ENVIRONMENTAL SCIENCE**

Max. Time : 2 Hrs.

Max. Marks: 50

Max. Marks: 50 Time: 1 1/2 hrs (90 Minutes)

Section -A

(Total: 4x5=20 Marks)

(Answer any **four questions**. Each answer carries **5 marks**)

(Total 8 questions. At least 1 question should be given from each Unit)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Section- B

(Total: 3x10 = 30 Marks)

(Answer any **three questions**. Each answer carries **10 marks**)

(Total five questions. At least 1 question should be given from each Unit)

- 1.
- 2.
- 3.
- 4.
- 5.

Note: Questions may be set in such a way to test the outcomes instead of recalling of information.

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Diversity and Inclusion, Human Values, Environment and Sustainability into the Curriculum

Response:

Samata Degree College believes in promoting an inclusive value based educational community. Many courses that address the cross-cutting issues relevant to Professional Ethics, Diversity and Inclusion, Human Values, Environment and Sustainability are integrated in the curriculum.

The objective of any educational program is to produce successful and moral professionals who can address the societal issues with innovative and better solutions. However, the ingeniousness of management Professionals must be coupled with professional ethics and values in the use of various learned concepts.

Imparting education one doesn't ensure holistic personality. Hence, considering the importance of Social Values & Ethics and Universal Human Values, Samata Degree College Visakhapatnam offers Social Values & Ethics and Universal Human Values course in the curriculum. As per the recent guidelines of Andhra University, Human Values and Professional Ethics is offered as a part of the curriculum.

Samata Degree College is offering these courses in all programs.

1. Human Values and Professional Ethics include personal and corporate standards of behavior expected by professionals.
2. The course focuses on making proper judgments, applying their skills and taking correct decisions in any situations in their professional and personal lives
3. In order to meet the demands of the community, the course positively affects the students thought.

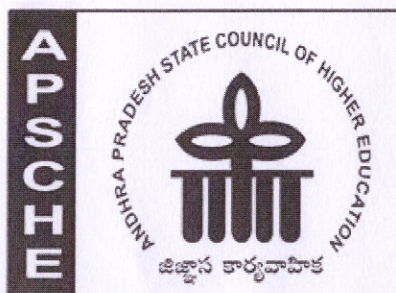
4. **HVPE** has been introduced to build a strong connect between students and the faculty to create holistic awareness about Universal Human Values. It is also meant to motivate unconstrained energy of the youth into value energy through various extra-curricular activities.

Women Grievance Cell:

Women Grievance Cell is established in Samata Degree College under the esteemed guidance of **Dr. S. Vijaya Ravindra Dean and Correspondent, Prof Madhavi Latha, Mrs.M. Satya Sri** with an objective of empowering the girls to handle challenges confidently.

Environment and sustainability:

The course Environmental Science provided in the college for xall courses provides various aspects of sustainability and environmental studies. Environment plays an important role in healthy living of human beings. Environmental studies is included in the prescribed Curriculum. Various Programs are conducted in the college to create good amount of awareness and interest among the students This makes the students to work enthusiastically to work towards the protection and conservation of the environment



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SYLLABUS OF HUMAN VALUES PROFESSIONAL ETHICS AS PART OF LIFE SKILLS COURSES UNDER CBCS FRAMEWORK WITH EFFECT FROM 2020-21

PROGRAMME: THREE-YEAR UG PROGRAMME

HUMAN VALUES AND PROFESSIONAL ETHICS (HVPE)

(SYLLABUS)

Learning Outcome:

On completion of this course, the UG students will be able to

- ✓ Understand the significance of value inputs in a classroom and start applying them in their life and profession
- ✓ Distinguish between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.
- ✓ Understand the value of harmonious relationship based on trust and respect in their life and profession
- ✓ Understand the role of a human being in ensuring harmony in society and nature.
- ✓ Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.

UNIT: 1 Introduction – Definition, Importance, Process & Classifications of Value Education

- ❖ Understanding the need, basic guidelines, content and process for Value Education
- ❖ Understanding the thought provoking issues; need for Values in our daily life
- ❖ Choices making – Choosing, Cherishing & Acting
- ❖ Classification of Value Education: understanding Personal Values, Social Values, Moral Values & Spiritual Values.

UNIT: 2 Harmony in the Family – Understanding Values in Human Relationships

- ✓ Understanding harmony in the Family- the basic unit of human interaction
- ✓ Understanding the set of proposals to verify the Harmony in the Family;
- ✓ Trust (*Vishwas*) and Respect (*Samman*) as the foundational values of relationship
- ✓ Present Scenario: Differentiation (Disrespect) in relationships on the basis of body, physical facilities, or beliefs.
- ✓ Understanding the Problems faced due to differentiation in Relationships
- ✓ Understanding the harmony in the society (society being an extension of family): *Samadhan*, *Samridhi*, *Abhay*, *Sah-astitva* as comprehensive Human Goals
- ✓ Visualizing a universal harmonious order in society- Undivided Society (*AkhandSamaj*), Universal Order (*SarvabhaumVyawastha*)- from family to world family.

UNIT: 3 Professional Ethics in Education

- ✓ Understanding about Professional Integrity, Respect & Equality, Privacy, Building Trusting Relationships.
- ✓ Understanding the concepts; Positive co-operation, Respecting the competence of other professions.
- ✓ Understanding about Taking initiative and Promoting the culture of openness.
- ✓ Depicting Loyalty towards Goals and objectives.

Text Books:

R R Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.

Bhatia, R. & Bhatia, A (2015) Role of Ethical Values in Indian Higher Education.

References:

- Ivan Illich, 1974, Energy & Equity, The Trinity Press, Worcester, and Harper Collins, U
- E.F. Schumacher, 1973, Small is Beautiful: a study of economics as if people mattered, Blond & Briggs, Britain.
- Sussan George, 1976, How the Other Half Dies, Penguin Press. Reprinted 1986, 1991
- Donella H. Meadows, Dennis L. Meadows, Jorgen Randers, William W. Behrens III, 1972, Limits to Growth – Club of Rome's report, Universe Books.
- A Nagraj, 1998, Jeevan Vidya EkParichay, Divya Path Sansthan, Amarkantak.
- P L Dhar, RR Gaur, 1990, Science and Humanism, Commonwealth Publishers.
- A N Tripathy, 2003, Human Values, New Age International Publishers.

Mode of Evaluation:

Assignment/ Seminar/Continuous Assessment Test/Semester End Exam.

Co curricular Activities:

1. Visit to an Old Age Home and spending with the inmates for a day.
2. Conduct of Group Discussions on the topics related to the syllabus.
3. Participation in community service activities.
4. Working with a NGO like Rotary Club or Lions International, etc.

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Sector - 10, MVP Colony, Visakhapatnam - 530 017. (A.P.)

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Date: 03-02-2023

CIRCULAR

This is to inform all the UG and PG girl students that a seminar on "SELFDEFENCE TECHNIQUES FOR WOMEN" will be conducted on 10 - 02- 2023 in our college campus at seminar hall. We cordially invite all the girl students to participate and make this seminar a grand successful.

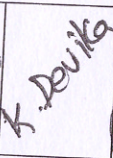
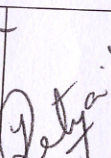
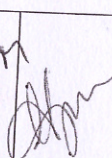
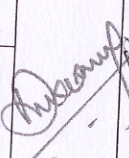
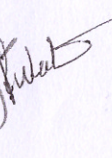
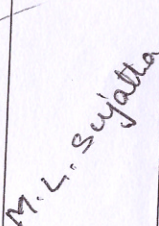

DIRECTOR & I/C PRINCIPAL



DIRECTOR
SAMATA DEGREE COLLEGE
M.V.P. Colony, VISAKHAPATNAM-17

B.ScHOD: Mrs.P. Aruna

Cultural Head: Mrs.M. Sirisha

Signature of All HOD'S						TPO	Office	Library
								
B. Sc	BCA	BBA	B.Com	MBA	M.Sc.(CS)			M.L. Sujatha

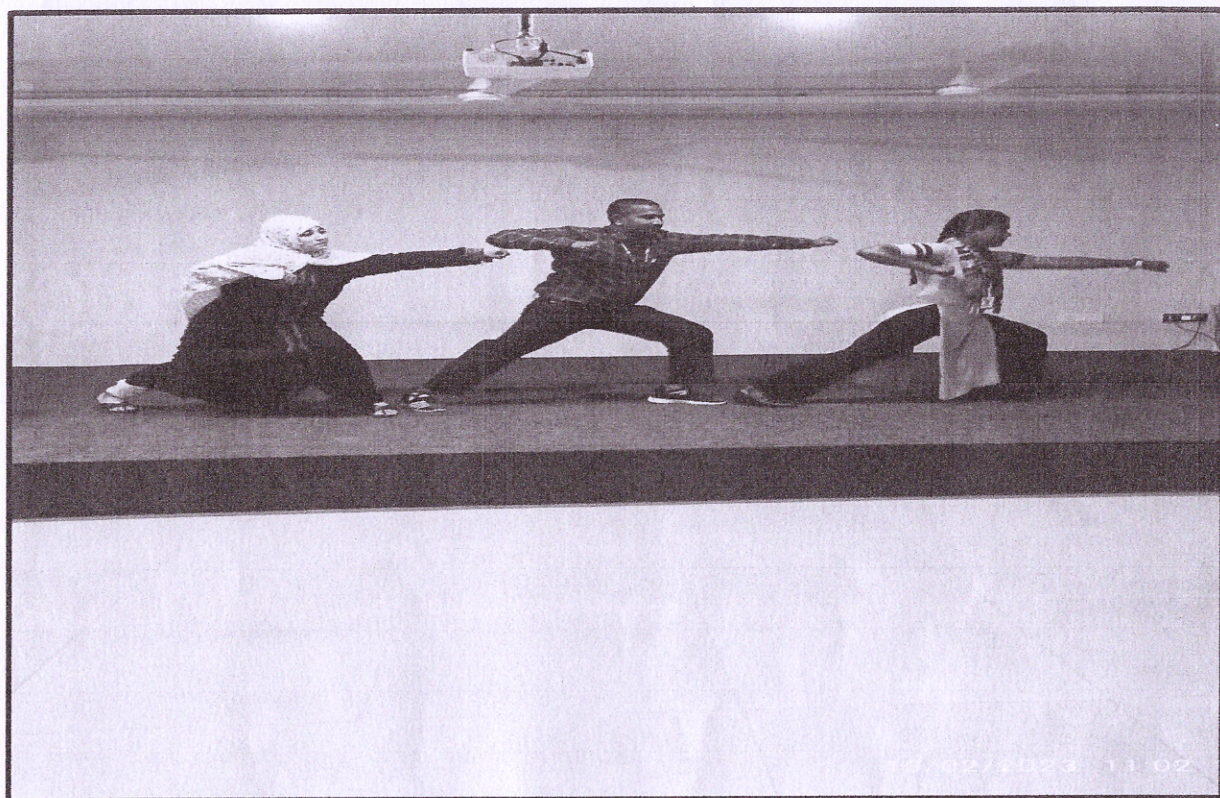
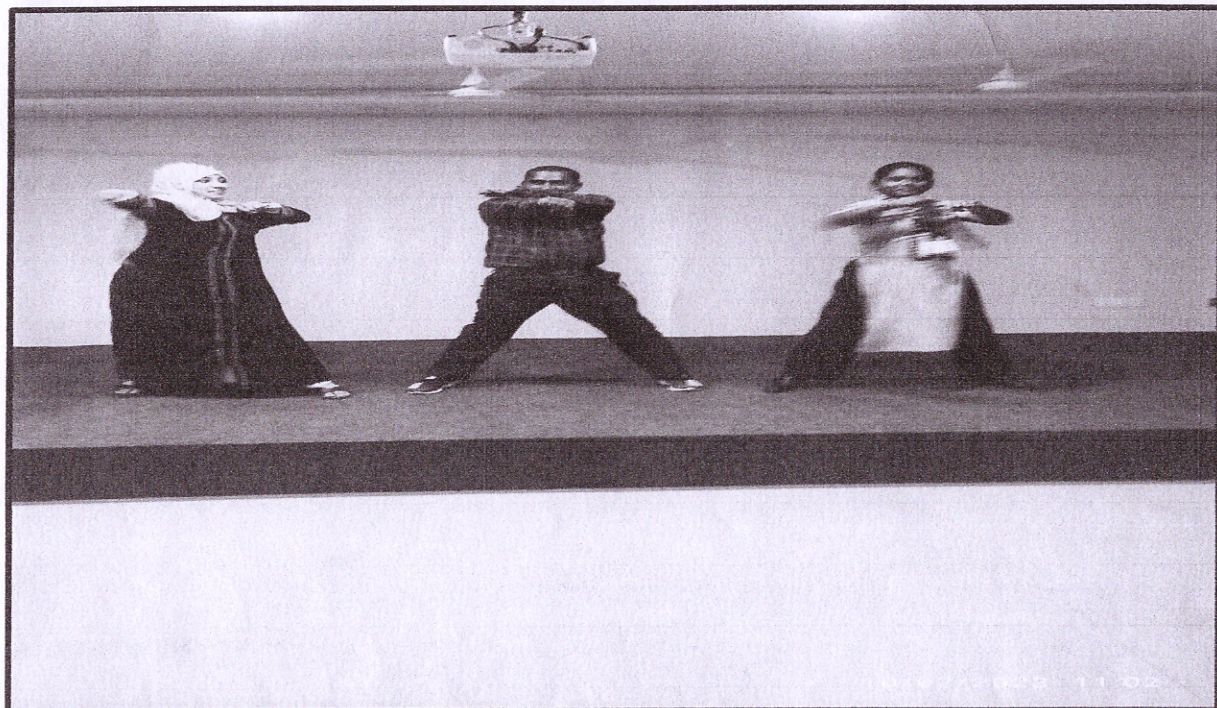


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Date: 14-02-2023

PROGRAM REPORT

Program Name	A session on "SELF DEFENCE TECHNIQUES FOR WOMEN"
Resource Person	Mr. Rama krishna, Physical Director, Samata college Ph no: 9908424231 Email id: Ramakrishna_pd@gmail.com
Duration of Activity	1 hour
Organized by	Samata Degree College
Venue	Seminar Hall-1
No of students attended	29

OBJECTIVES OF THE PROGRAM:

The objectives include "Develop and implement a self-defense program for women aimed at empowering participants with practical skills, confidence, and situational awareness to protect themselves from potential threats, enhance personal safety, and assert boundaries effectively."

LEARNING OUTCOMES:

Master basic self-defense techniques, including striking, blocking, and evasion maneuvers, tailored to women's physical capabilities and common attack scenarios. Develop situational awareness skills to identify potential threats, assess risk factors, and choose appropriate responses to ensure personal safety. Enhance confidence and assertiveness in setting boundaries, saying no, and communicating assertively in potentially dangerous situations. Learn effective strategies for de-escalating conflicts, diffusing tense situations, and avoiding physical confrontations whenever possible. Understand the legal and ethical implications of self-defense actions, including when the use of force is justified and the importance of seeking help from authorities when necessary.

M. Srinivas
Program Coordinator



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List of Participants

Name of the Program: A session on self defence techniques.

Date: 10/02/2023

S.No.	Name of the Student	Program Name	Year	Signature
1	Doddi. hymarathi	BCA	1st	D. hymarathi
2	M. Bhawani	BCA	1st	Bhawani
3	Pilla. Durga Sree	BNC	1st	P. Durgasree
4	KANDI Divya	BNC	1st	K. Divya
5	Bangaru Gyostha	BBA	1st	Gyostha
6	Dola. Likitha	BNC	1st	D. Likitha
7	Gunde Revathi	BBA	1st	Revathi
8	Sabbella Srilakshmi	BNC	1st	S. Srilakshmi
9	G. Manjasevi	BNC	1st	G. Manjasevi
10	Gundrati Tejaswini	BCA	1st	G. Tejaswini
11	N. madhavi	MPCS	1st	N. madhavi
12	Karanam Soujanya	BBA	1st	Soujanya
13	Eppili Manohar	BBA	1st	E. Manohar
14	Nelapati Sarala Ratnam	BNC	1st	N. Sarala Ratnam
15	Sauatha Arishwarya	BCA	1st	A. Arishwarya
16	P. Vyshnavi Neeharika	BNC	1st	Neeharika
17	T. Anjali	MPCS	1st	T. Anjali
18	Purella Puggeth	BBA	1st	P. Puggeth
19	Porapu. Sravanthi	MPCS	1st	P. Sravanthi
20	Dunga. Gayatri	MPCS	1st	D. Gayatri
21	Nadella Chiru Haasini	BBA	1st	N. Haasini

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Date: 06/03/2023

CIRCULAR

This is to inform all the students that our College NSS Unit is organizing “**Plantation Drive**” in view of “**Greening Initiative**” in Sector- 12 MVP Colony, Visakhapatnam on 14/03/2023 from 10 AM onwards. All the Faculty and Students must participate in Drive.

Director & I/c Principal

Copy to:

Signature of All HOD'S						TPO	IQAC Coordinator	OFFIC E	LIBRAR Y
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Faculty and Students Participating in the Plantation Drive



Faculty and Students Participating in the Plantation Drive

NSS UNIT - I & II

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Email: samatacollege@gmail.com; drgrsrao747@gmail.com



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Name of the Activity :

Date: 14/03/2023

Place:

Academic Year: 2023

LIST OF PARTICIPANTS

S.NO	STUDENT NAME	YEAR-PROG	SIGNATURE
1	KOVILAPALLI LIKITHA MADHURI	3 rd BNC	K. Likitha Madhuri
2	KUDA DEEKSHITHA	3 rd BNC	K. Deekshitha
3	LATCHUPATULA PURNIMA	3 rd BNC	Purnima
4	LAVETI SANDHYA	3 rd BNC	L. Sandhya
5	MADHUPADA RAJU KUMAR	3 rd BNC	M. Raju Kumar
6	CHINTA RAMA DEVI	3 rd MSCS	Devi
7	CHINTADA PADMA	3 rd MSCS	Padma
8	CHINTHAPALLI SAILAJA	3 rd MSCS	C. Sailaja
9	DOOLE CHARISHMA	3 rd MSCS	D. Charisma
10	GADU GAYATRI	3 rd MSCS	Gayatri
11	PATTA MADHURI	2 nd BNC	Madhuri
12	PEELA VARSHITHA	2 nd BNC	Varshitha
13	PILLA DURGA SREEE	2 nd BNC	Durga
14	GUBBALA SANTHI KUMARI	2 nd MSCS	Kumari
15	KILANI KARTHIK	2 nd MSCS	K. Karthik
16	PILLARISETTI KRISHNA CHARITA	3 rd BBA	Charita
17	YANDAMURI LAHIRI LAKSHMI	3 rd BBA	Lakshmi
18	ARIJI PRATHYUSHA	2 nd MBA	Prathyusha
19	GUNDARAPU JYOTIKA	2 nd MBA	Jyotika
20	YALLINTI TEJESWARA RAO	2 nd MBA	Rao
21	TELAPILLI BABU MANIKANTA	2 nd MBA	Manikanta
22	PALLA SAI PRAVEEN	2 nd MBA	Praveen

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NSS Program Officer



Director & I/c Principal

NSS UNIT - I & II

Program Report	
NSS UNIT	NSS Unit- I & II
Title of the Event:	Plantation drive
Event State Date	14/03/2023
Event End Date	14/03/2023
Description:	The Greening Initiative was a plantation program organized by The NSS unit of Samata Degree College at Sector- 12 MVP Colony, Visakhapatnam . The program began with a welcome speech by the principal of Samata Degree College. The students and faculty members then went to the planting site and began planting trees, which will help to improve air quality, reduce noise pollution, and create a more beautiful and sustainable environment. The program also raised awareness about the importance of trees and the benefits of planting trees.



Faculty and Students Participating in the Plantation Drive