GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

KOMMADI, MADHURAWADA, VISAKHAPATNAM - 530 048

(APPROVED BY AICTE, NEW DELHI, AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM)

(ACCREDITED BY NATIONAL BOARD OF ACCREDITATION [NBA] FOR B.TECH CSE, ECE AND IT - VALID FROM 2019-22 AND 2022-25)

(ACCREDITED BY NATIONAL BOARD OF ACCREDITATION[NBA] FOR B.TECH EEE VALID FROM 2023-24 TO 2025-2026)

(ACCREDITED BY NATIONAL ASSESMENT AND ACCREDITATION COUNCIL [NAAC] WITH A GRADE- VALID FROM 2022-27)

(Phone: +91-891-2739144, 2739124, 2719125, 2719127 Email Id: gvpcew@gmail.com , info@gvpcew.ac.in)

1.3.1. *Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum:*

Gayatri Vidya Parishad College of Engineering for Women (GVPCEW) seamlessly integrates cross-cutting issues relevant to Professional Ethics, Gender Sensitivity, Human Values, and Environment & Sustainability into the curriculum, aligning with the institution's vision of holistic development and women empowerment.

Mandatory courses such as Professional Ethics, Universal Human Values, and Constitution of India are incorporated across all programs to instill ethical conduct, social responsibility, and integrity in engineering practice.

Gender sensitivity is promoted in an all-women environment with 100% female students and over 60% women faculty. The Internal Complaints Committee (ICC) conducts awareness programs, Disha app orientations, self-defense training, leadership workshops, entrepreneurship activities, and counseling to foster equality and safety.

Human values are reinforced through the Universal Human Values course, complemented by NSS activities and yoga sessions, nurturing empathy, tolerance, and responsible citizenship.

Environmental consciousness is embedded via courses like Environmental Science, Sustainable Engineering, and Renewable Energy Sources. Initiatives by the EchoTech Club, green chemistry practices, environmental/energy audits, 100 kWp Solar PV system, 100 kW Wind-Solar Hybrid System, rainwater harvesting, and RO plant contribute to a sustainable campus.

These efforts ensure graduates are ethically sound, socially aware, and environmentally responsible professionals.

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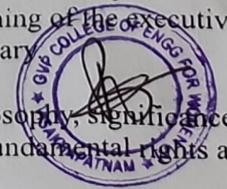(ACCREDITED BY NATIONAL BOARD OF ACCREDITATION[NBA] FOR B.TECH EEE VALID FROM 2023-24 TO 2025-2026)

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1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

S.No.	Title of the Course / Activity	Course Code	Professional Ethics	Gender	Human Values	Environment & Sustainability	Description of the Course
1.	Professional Ethics and Human Values	MC2201 /CS2209	Yes	Yes	Yes	—	-Apply a moral framework to inculcate core human values and support personal transformation into an ethically responsible human being. -Learn and internalize the ethical responsibilities of engineers, understanding their roles and duties in professional practice. -Explain and understand engineering ethics and codes of conduct for developing professionalism and resolving moral as well as ethical dilemmas -Evaluate the responsibility and accountability of professional engineers in design, operation, and safety through risk–benefit analysis, while fostering awareness of Intellectual Property Rights (IPR). -Develop knowledge of global issues and gain awareness of computer ethics, environmental ethics, and ethical concerns in scientific and engineering research.
2.	Constitution of India	MC1201	Yes	Yes	Yes	—	-Enable students to appreciate the importance and relevance of the Constitution. - Develop a clear understanding of the structure and functioning of the executive, legislature, and judiciary -Understand the philosophy, significance, and implications of fundamental rights and duties. -Gain awareness of the autonomy and roles of key constitutional bodies such as the

							Supreme Court, High Court, Comptroller and Auditor General of India, and the Election Commission of India. -Understand the financial and administrative relationship between the central and state governments.
3.	Intellectual Property Rights	AI2109	Yes	Yes	yes	Yes	-Distinguish between different categories of intellectual property and select the appropriate form of protection for creative or research outputs. -Perform searches related to patents and evaluate whether an invention meets the criteria for patentability. - Interpret the layout, terminology, and essential sections found in a typical patent document. - Navigate the procedural steps required for filing, registering, and defending various intellectual property claims. - Understand the fundamental principles of commercializing intellectual property and address the technological, legal, and business-related challenges involved.
4.	Environmental Science	24BC11 MC01	-	-	—	yes	- Familiarize students with the fundamental aspects of the environment and environmental management. -Provide knowledge of major international environmental conventions that will support students in their future academic and professional pursuits. -Help students understand the importance of natural resource management for the sustenance of life and society. -Create awareness about the impact of pollution generated through anthropogenic activities on the environment. -Introduce the concepts of Sustainable Development, energy management, and environmental management. -Impart knowledge on new-generation waste issues, including e-waste and plastic waste.
5	Gender	Activity	Yes	yes	yes	—	-Workshop on selfdefence. -Seminar on woman empowerment in digital India -Seminar on Gender: Roles andresponsibilities -Women's day celebration annually

6	Energy Conservation Week	Activity	Yes	-	Yes	Yes	-The Energy Conservation Week activities sensitized students to sustainability and environmental responsibility through pledges, awareness drives, and hands-on learning experiences. -Students connected classroom concepts with real-world applications by participating in quizzes, model exhibitions, and demonstrations related to renewable energy and energy efficiency. -The initiatives promoted social responsibility by encouraging students to adopt energy-saving habits and spread awareness across the campus community. -Exposure to models on green buildings, water management, solar energy, and efficient transportation helped students understand emerging sustainable technologies. -Faculty-led campaigns, posters, and practical energy-saving strategies reinforced ethical resource usage and strengthened a culture of sustainability within the institution
7	NSS &YOGA	Activity	Yes	Yes	Yes	Yes	Encourages students to participate in community service and develop a sense of social responsibility. Organizes activities such as awareness drives, cleanliness campaigns, and social welfare programs. Helps students build leadership, teamwork, and empathy through service-oriented projects. Promotes physical fitness, flexibility, and overall well-being through structured postures and breathing techniques. Helps reduce stress and improve concentration, emotional balance, and mental clarity. Encourages a healthy lifestyle by integrating body, mind, and inner awareness.
8	Echo-Tech Club	Activity	yes	-	yes	Yes	PlasticAwarenessCampaignE waste collection DriveMinor ResearchProject The **Echo-Tech Club** is a student-driven community that explores modern technology, creative problem-solving, and innovative digital tools.

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S.NO	NAME OF THE ACTIVITY	DATE OF THE EVENT	DESCRIPTION
1.	**Energy conservation week**	17-12-2024 t0 21-12-2024	Promotes awareness about saving energy and using resources efficiently in daily life. Encourages adoption of renewable energy and energy-efficient technologies. Highlights the role of individuals and communities in protecting the environment and reducing climate change.
2.	WOMEN'S DAY CELEBRATIONS	7-04-2025	**Recognition & Awareness:** creating awareness through seminars and talks on women's rights, gender equality, and digital empowerment. **DISHA App Orientation:** Introducing the DISHA app, explaining its purpose, and demonstrating features like emergency alerts, location sharing, and helpline support for women's safety. **Cultural & Inspirational** ProgramsCelebrating womanhood through cultural performances, motivational speeches, and interactive sessions

			that inspire confidence, unity, and self-reliance among women.
3.	International yoga day	21-06-2025	**Health & Well-Being:** Yoga helps improve physical fitness, mental peace, flexibility, and overall health. **Stress Relief & Mindfulness:** Regular yoga practice reduces stress, anxiety, and improves concentration and emotional balance. **Healthy Lifestyle Awareness:** Yoga Day promotes the importance of adopting yoga as a daily habit for a healthy and disciplined life.
4.	Echo Tech club	Activity	The **Echo-Tech Club** is a student-driven community that explores modern technology, creative problem-solving, and innovative digital tools.
5.	NSS	Activity	**Community Service:** NSS activities focus on serving society through cleanliness drives, health camps, awareness programs, and social service. **Social Awareness:** Creating awareness on issues like health, environment, education, gender equality, and digital literacy among the public. **Personality Development:** NSS helps students develop leadership qualities, discipline, teamwork, and a sense of social responsibility.

SCHEME AND SYLLABUS FOR FIRST & SECOND YEARS
OF
FOUR YEAR UNDER GRADUATE DEGREE COURSE
B. TECH (INFORMATION TECHNOLOGY)
[W.E.F. 2022 - 2023 ADMITTED BATCH]

DEPARTMENT OF INFORMATION TECHNOLOGY AND
COMPUTER APPLICATIONS
ANDHRA UNIVERSITY COLLEGE OF ENGINEERING
ANDHRA UNIVERSITY
VISAKHAPATNAM-530 003

ANDHRA UNIVERSITY
DEPARTMENT OF INFORMATION TECHNOLOGY AND COMPUTER APPLICATIONS
SCHEME AND SYLLABI

(With effect from 2022-23 admitted batch)
Common for IT & CSE

B.Tech (Information Technology)

I Year –I Semester

Course code	Category	Course Title	Hours per week L	Hours per week P	Internal Marks	External Marks	Total Marks	Credits
IT1101	BS	Engineering Mathematics –I	4	0	30	70	100	3
IT1102	BS	Green Chemistry	4	0	30	70	100	3
IT1103	HSS	English	4	0	30	70	100	3
IT1104	ES	Computer Programming Using C	4	0	30	70	100	3
IT1105	ES	IT Essentials	4	0	30	70	100	3
IT1106	HSS	Communication skills Lab	0	3	50	50	100	1.5
IT1107	ES	Computer Engineering Workshop Lab	0	3	50	50	100	1.5
IT1108	ES	Computer Programming using C lab	0	3	50	50	100	1.5
Total Credits								**19.5**

B.Tech (Information Technology)

I Year-II Semester

Course code	Category	Course Title	Hours per week L	Hours per week P	Internal Marks	External Marks	Total Marks	Credits
IT1201	BS	Engineering Mathematics–II	4	0	30	70	100	3
IT1202	BS	Engineering Physics	4	0	30	70	100	3
IT1203	ES	Elements of Electronics Engineering	4	0	30	70	100	3
IT1204	ES	Data Structures Using C	4	0	30	70	100	3
IT1205	ES	Digital Logic Design	4	0	30	70	100	3
IT1206	ES	LINUX Administration Lab	0	3	50	50	100	1.5
IT1207	BS	Engineering Physics Lab	0	3	50	50	100	1.5
IT1208	ES	Data Structures Lab	0	3	50	50	100	1.5
							Total Credits	**19.5**

B.Tech (Information Technology)
II Year - I Semester

Course code	Category	Course Title	Hours per week L	Hours per week P	Internal Marks	External Marks	Total Marks	Credits
IT2101	ES	Discrete Mathematical Structures	4	0	30	70	100	3
IT2102	PC	Computer Organization and Architecture	4	0	30	70	100	3
IT2103	BS	Probability, Statistics and Queuing theory	4	0	30	70	100	3
IT2104	PC	Operating Systems	4	0	30	70	100	3
IT2105	PC	Object Oriented Programming Through Java	4	0	30	70	100	3
IT2106	PC	Computer Organization & Architecture Lab	0	3	30	70	100	1.5
IT2107	PC	Object Oriented Programming Through Java Lab	0	3	50	50	100	1.5
IT2108	PC	Operating Systems Lab	0	3	50	50	100	1.5
IT2109	SC	Intellectual Property Rights (Internal)	1	2	100	0	100	2
IT2110	MC	Environmental Science	0	0	-	100	100	0
Total credits								21.5

B.Tech (Information Technology)
II Year - II Semester

Course code	Category	Course Title	Hours per week L	Hours per week P	Internal Marks	External Marks	Total Marks	Credits
IT2201	ES	Microprocessors	4	0	30	70	100	3
IT2202	PC	Design and Analysis of Algorithms	4	0	30	70	100	3
IT2203	PC	Database Management Systems	4	0	30	70	100	3
IT2204	PC	Formal Languages & Automata Theory	4	0	30	70	100	3
IT2205	HSS	Managerial Economics	4	0	30	70	100	3
IT2206	PC	Algorithms Lab through C++.	0	3	50	50	100	1.5
IT2207	PC	Database Management Systems Lab	0	3	50	50	100	1.5
IT2208	SC	Web Technologies	1	2	50	50	100	2
IT2209	MC	Professional Ethics & Universal Human Values	0	0	0	100	100	0
IT2210	MC	NCC/NSS	0	2	-	-	-	0
Total credits								20
Internship-I								

IT2209 PROFESSIONAL ETHICS AND UNIVERSAL HUMAN VALUES

Course Objectives:

- To recognize the moral values that should guide the Engineering profession.
- To resolve moral issues concerning one's profession.
- To develop and exhibit a set of moral beliefs and attitudes that engineers should inculcate.
- To inculcate social values and morality in one's life.
- To develop awareness about Professional/Engineering Ethics and Human Values.

Learning Outcomes:

Students will be able to:
- Apply the conceptual understanding of ethics and values into everyday practice.
- Understand the importance of moral awareness and reasoning in life.
- Acquire professional and moral etiquette that an engineer requires.
- Develop the acumen for self-awareness and self-development.
- Develop cultural tolerance and integrity.
- Tackle real-life challenges with empathy.

SYLLABUS

HUMAN VALUES
Values - Respect - Caring - Sharing - Honesty- Courage - Self confidence - Communal Harmony
Morals - Virtues

PROFESSIONAL VALUES
Integrity - Discipline - Valuing time - Cooperation - Commitment - Code of conduct - Challenges in the workplace

PROFESSIONAL ETHICS
Overview - Engineering ethics - Moral issues - Profession - Models of professional roles - Responsibility

RESPONSIBILITIES AND RIGHTS
Safety and risk - Collegiality and loyalty - Confidentiality - Occupational crime - Human rights - Employee rights - Intellectual property rights

GLOBAL ISSUES
Globalization - Environmental ethics - Computer ethics - Code of ethics - Multinational corporations - Engineers as advisors in Planning and Policy making

Textbook:
1. R.S. Nagarazan. *A Textbook on Professional Ethics and Human Values.* New Age International Publishers. 2006.

Reference Books:
1. Premvir Kapoor. *Professional Ethics and Human Values.* Khanna Publishing House. 2019.
2. B.S. Raghavan. *Human Values and Professional Ethics*. S.Chand Publications. 2012.
3. R.R. Gaur & Others. *A Foundation Course in Human Values and Proff. Ethics*. Excel Books. 2009.
4. A. N. Tripathi. *Human Values*. New Age International (P) Limited. 2009
5. R. Subramanian. *Professional Ethics*. OUP India. 2013.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

I Year II Semester		L	T	P	C
		2	0	0	0
	CONSTITUTION OF INDIA				

Preamble:

Course Objectives:

- ➢ To Enable the student to understand the importance of constitution
- ➢ To understand the structure of executive, legislature and judiciary
- ➢ To understand philosophy of fundamental rights and duties
- ➢ To understand the autonomous nature of constitutional bodies like Supreme Court and high court controller and auditor general of India and election commission of India.
- ➢ To understand the central and state relation financial and administrative.

UNIT-I

Introduction to Indian Constitution: Constitution meaning of the term, Indian Constitution - Sources and constitutional history, Features - Citizenship, Preamble, Fundamental Rights and Duties, Directive Principles of State Policy.

Learning outcomes:

After completion of this unit student will
- Understand the concept of Indian constitution
- Apply the knowledge on directive principle of state policy
- Analyze the History, features of Indian constitution
- Evaluate Preamble Fundamental Rights and Duties

UNIT-II

Union Government and its Administration Structure of the Indian Union: Federalism, Centre-State relationship, President: Role, power and position, PM and Council of ministers, Cabinet and Central Secretariat, Lok Sabha, Rajya Sabha, The Supreme Court and High Court: Powers and Functions;

Learning outcomes: -After completion of this unit student will
- Understand the structure of Indian government
- Differentiate between the state and central government
- Explain the role of President and Prime Minister
- Know the Structure of supreme court and High court

UNIT-III

State Government and its Administration Governor - Role and Position - CM and Council of ministers, State Secretariat: Organization, Structure and Functions

Learning outcomes: -After completion of this unit student will
- Understand the structure of state government
- Analyze the role Governor and Chief Minister
- Explain the role of state Secretariat
- Differentiate between structure and functions of state secretariat

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UNIT-IV

A. Local Administration - District's Administration Head - Role and Importance, Municipalities - Mayor and role of Elected Representative - CEO of Municipal Corporation Pachayati Raj: Functions PRI: Zila Panchayat, Elected officials and their roles, CEO Zila Panchayat: Block level Organizational Hierarchy - (Different departments), Village level - Role of Elected and Appointed officials - Importance of grass root democracy

Learning outcomes: -After completion of this unit student will
- Understand the local Administration
- Compare and contrast district administration role and importance
- Analyze the role of Myer and elected representatives of Municipalities
- Evaluate Zilla panchayat block level organization

UNIT-V

Election Commission: Election Commission- Role of Chief Election Commissioner and Election Commissionerate State Election Commission, Functions of Commissions for the welfare of SC/ST/OBC and women

Learning outcomes: -After completion of this unit student will
- Know the role of Election Commission apply knowledge
- Contrast and compare the role of Chief Election commissioner and Commissionerate
- Analyze role of state election commission
- Evaluate various commissions of viz SC/ST/OBC and women

References:

1. Durga Das Basu, Introduction to the Constitution of India, 12th edition Prentice – Hall of India Pvt. Ltd. New Delhi 2011.
2. Subash Kashyap, Indian Constitution, 2nd edition, National Book Trust, 2011.
3. J.A. Siwach, Dynamics of Indian Government & Politics, 2nd edition, Sterling Pub Private Ltd.,1990.
4. D.C. Gupta, Indian Government and Politics, 8th edition, Vikas Publishing House Pvt Ltd., 2015.
5. H.M.Sreevai, Constitutional Law of India, 4th edition in 3 volumes (Universal Law Publication), 2015.
6. J.C. Johari, Indian Government and Politics Hans, 13th edition, Shoban Lal & Co.2012.
7. J. Raj Indian Government and Politics, 1st edition, SAGE Texts Publication, 2008.
8. M.V. Pylee, Indian Constitution Durga Das Basu, Human Rights in Constitutional Law, 3rd edition, Lexis Nexis Publications, 2008.
9. Noorani, A.G., (South Asia Human Rights Documentation Centre), Challenges to Civil Right), Challenges to Civil Rights Guarantees in India, Oxford University Press 2012

E-resources:
1. nptel.ac.in/courses/109104074/8
2. nptel.ac.in/courses/109104045/
3. nptel.ac.in/courses/101104065/
4. www.hss.iitb.ac.in/en/lecture-details
5. www.iitb.ac.in/en/event/2nd-lecture-institute-lecture-series-indian-constitution

AI2109 INTELLECTUAL PROPERTY RIGHTS

Course Objective:
- To introduce the students to Intellectual Property Rights (IPR) which is a key component in modern knowledge management processes
- To create consciousness on IPR in students at an early stage of their education so that they develop an appreciation for ethical and rightful use of existing knowledge
- To make them understand how to take ownership of knowledge they may develop as a result of their creative innovations, take ownership and either drive themselves in becoming entrepreneurs or become responsible knowledge users in society
- To expose students some of the recent debates on the societal implications of IPRand its role in national/international trade and socio-economic development.

Course outcome:
Learners will be able to
- identify the types of intellectual property protection available for their research outcome
- conduct patent search and analyse patentability of the invention
- understand the basic structure of Patent document
- understand the registration and prosecution of different IPs
- understand the basics of IP commercialization and techno/commercial/legal issues in IPR commercialization

SYLLABUS

1. **Introduction:** Concept of property, Intellectual Property (IP) and Intellectual Property Rights (IPR),Importance of IP, Value creation through IP, Advantages of IP protection, Competitive advantage, Promotion of social good, Prevention of duplicates, counterfeit products and IP.
2. **Evolution of IP system:** Historical view of IP system in India and abroad, Legal basis and rationale behind development of IP system, WTO and TRIPS agreement, Role of WIPO.
3. **Types of IPR:** Major forms of IP in India and globally, Acts enacted in India related to IP.
4. **Patent:** Concept, Life of patent, Rights of Patentee, Criteria of patentability- novelty, non- obviousness,and utility, Non-patentable inventions.
5. **Patent filing and prosecution:** Prior art search, Process of obtaining a patent in India, Provisional and complete specification, Convention application, Patent Cooperation Treaty (PCT), Patent Infringement and Enforcement.
6. **Trademark:** Types of trademarks, Trademark and Brand, Trademark Registration, Trademark Infringement.
7. **Copyright:** Copyrights and related rights, Copyright registration, Copyright infringement, Section 52 of Indian Copyright Act.
8. **Industrial Design:** What is Industrial design, Design registration, Design infringement.
9. **Trade Secret:** What are Trade Secrets, How trade secrets are maintained in trade and business.
10. **Other forms of IP:** Semiconductor Integrated Circuits Layout Design, Geographical Indications, Protection of Plant Varieties & Farmers' right, Traditional knowledge.
11. **IP commercialization:** Licensing & Royalty; Technology Transfer; IP assignment, Compulsory License.
12. **Emerging areas:** Pat informatics, IP and bank loan, IP insurance, IP audit, IP valuation, IP management, Use of artificial intelligence in IP enforcement, Open innovation.

Text Books
1. Ganguli Prabuddha, Gearing up for Patents The Indian Scenario", Universities Press (1998)
2. GanguliPrahuddha "Intellectual Property Rights-Unleashing the Knowledge Economy". Tata McGraw Hill (2001)
3. Geographical Indications of Goods Act 1990 GanguliPiabaddha "Geographical Indications-its evolving contours accessible in http ips. nminsoda/files/2012/05/mainbook pdf (2009)

Reference Books

1. GanguliPrabuddha and JahadeSiddharth, "Nanotechnology Intellectual PropertyRights Research, Design, and Commercialisation", CRC Press, Taylor and FrancisGroup, USA (2012)
2. Beyond Intellectual Property: Toward Traditional Resource Rights for IndigenousPeoples and Local Communities [Paperback J,Darrell A. Posey and Graham Dotfield, IDRC Books; annotated edition (June (1996)
3. Netancl Neil Weinstock, Copyright's Paradox, Oxford University Press (2010)
4. The Indian Patents Act 1970 (as amended in 2005)
5. The Indian Copyright Act 1950 as amended in 2017)
6. Indian Trademarks Act 1999
7. The Indian Industrial Designs Act 2000
8. The Protection of Plant Varieties and Farmers' Right Act 2001
9. Inventing the Future: An Introduction to Patents for small and medium sized enterprises, WIPO publication No 917 www.wipo.int/ebookshop
10. Looking Good: An Introduction to Industrial Designs for Small and Medium sized Enterprises; WIPO publication No.498 www.wipo.int/ebookshop

II Year B. Tech I Semester (Common to CSE & IT)

Course Objectives

The objectives of the Environmental Science course are to
• Familiarize the fundamental aspects of environment and the environmentalmanagement
• Provide information of some of the important international conventions which will beuseful during the future endeavors after graduation.
• Make realize the importance of natural resources management for the sustenance of the life and the society.
• Apprise the impact of pollution getting generated through the anthropogenic activities on the environment
• Provide the concept of Sustainable Development, energy and environmental management
• Impart knowledge on the new generation waste like e-waste and plastic waste

Course Outcomes: At the end of the course the student will be able to

CO1: Understand the impacts of developmental activities and mitigation measures for sustainable environment.

CO2: Categorize the importance of natural resources management for the sustenance of the life and the society.

CO3: Differentiate various forms of pollutions and their impact on the environment

CO4: Discuss elements of Sustainable Development, energy and environmental management.

CO5: Understand technologies on the basis of ecological principles and environmental regulations which in turn helps in sustainable development

Unit I

Introduction: Structure and functions of Ecosystems-Ecosystems and its Dynamics-Value of Biodiversity-impact of loss of biodiversity, Conservation of bio-diversity. Environmental indicators - Global environmental issues and their impact on the ecosystems. Salient features of international conventions on Environment: Montreal Protocol, Kyoto protocol, Ramsar Convention on Wetlands, Stockholm Convention on Persistent Organic Pollutants, United Nations Framework Convention on Climate Change (UNFCCC)

Unit II

Natural Resources Management: Importance of natural resources management-Land as resource, Land degradation, Soil erosion and desertification, Effects of usage of fertilizer, herbicides and pesticide- watershed management.**Forest resources:** Use and over-exploitation, Mining and dams – their effects on forest ecosystems and

the living beings.**Water resources:** Exploitation of surface and groundwater, Floods, droughts, Dams: benefits and costs.**Mineral Resources**: Impact of mining on the environment and possible environmental management options in mining and processing of the minerals. Sustainable resource management (land, water, and energy), and resilient design under the changing environment.

Unit III

Environmental Pollution: Local and Global Issues. Causes, effects and control measures. Engineering aspects of environmental pollution control systems. Air pollution: impacts of ambient and indoor air pollution on human health. Water pollution: impacts water pollution on human health and loss of fresh water resources. Soil pollution and its impact on environment, Marine pollution and its impact on blue economy. Noise pollution. Air (prevention and control of pollution) Act, Water (prevention and control of pollution) Act and their amendments. Salient features of Environmental protection Act, 1986.Pollution control technologies: Wastewater Treatment methods: Primary, secondary and Tertiary.

Unit IV

Sustainable Development: Population and its explosion Fundamentals of Sustainable Development– Sustainability Strategies and Barriers – Industrialization and sustainable development. Circular economy concepts in waste (solid and fluid) management. **Energy and Environment:** Environmental Benefits and challenges, Availability and need of conventional energy resources, major environmental problems related to the conventional energy resources, future possibilities of energy need and availability. **Renewable Energy:** Production of Hydrogen via Water Splitting Using Photocatalytic and Photoelectrocatalytic Route process of photovoltaic energy conversion, solar energy conversion technologies and devices, their principles, working and applications, disposal of solar panel after their usage. **Biomass energy:** Concept of biomass energy utilization, types of biomass energy, conversion processes, Wind Energy, energy conversion technologies, their principles, equipment and suitability in context of India.

Unit V

Solid waste management: Important elements in solid waste management- Waste to energy concepts.**Management of plastic waste and E-waste:** Sources, generation and characteristics of various e- and plastic wastes generated from various industrial and commercial activities; Waste management practices including onsite handling, storage, collection and transfer. E-waste and plastic waste processing alternatives. E-Waste management rules and Plastic waste management rules, 2016 and their subsequent amendments.

Text Books:

1. Environmental Studies by R. Rajagopalan, Oxford University Press

2. Bharucha, Erach (2004). Textbook for Environmental Studies for Undergraduate Courses of all Branches of Higher Education, University Grants Commission, New Delhi.

Reference Books:

1. Sharma, P. D., & Sharma, P. D. (2005). Ecology and environment. Rastogi Publications

2. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.

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(Accredited by NBA for B. Tech-CSE, ECE, IT and EEE)
Accredited by NAAC with A Grade from 2022-2023 to 2027-2028

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT

Event: Energy Conservation Week

Date: 17-12-2024 to 21-12-2024

In view of **Energy Conservation Week,** Department of EEE of **GVP College of Engineering for Women (A),** has conducted activities from **17th December to 21th December 2024**. Led by **Dr. M. Krishna**, the program witnessed active participation from **53 second-year students**, who gained valuable insights and hands-on experience through the initiative.

Energy efficiency plays a pivotal role in the sustainable development of a nation. This dedication to sustainability in India is commemorated as the National Energy Conservation Day, marked annually on December 14. The day reminds us all about the shared responsibility of adopting sustainable energy practices. By using energy more efficiently, we can create economic stability and encourage technological innovation. Ultimately, energy conservation contributes to a cleaner, healthier, and more sustainable future. Promoting awareness of energy efficiency and conservation is critical for reducing environmental impact, saving costs, and contributing to sustainable development.

Energy Conservation Week aims to raise awareness about the critical need to conserve energy and promote sustainable practices. It focuses on educating individuals, communities, and organizations about the environmental and economic impacts of energy consumption while highlighting the benefits of energy efficiency. The week encourages people to adopt energy-saving habits such as turning off unused appliances, using energy-efficient devices, and reducing wasteful practices. Additionally, the week showcases advancements in renewable energy technologies and fosters community participation through various events, workshops, and campaigns. By uniting efforts toward reducing energy consumption and carbon emissions, Energy Conservation Week supports global sustainability goals and contributes to a greener, healthier planet.

The five-day program comprehensively covered various aspects of energy conservation, ensuring a thorough learning experience for participants.

Day 1: 17th December 2024

Powering a Sustainable Future: Energy Conservation Pledge

All the second-year students visited every classroom to take an energy conservation pledge. The program began with a focus on promoting the use of renewable energy sources such as solar, wind, and hydro power. Additionally, students were provided with practical tips on utilizing energy-efficient appliances and lighting to contribute to a sustainable future

Day 2: 18th December 2024

Awareness Quiz

A quiz was conducted to enhance awareness about energy basics, conservation methods, efficiency technologies, environmental impacts, and energy policies. The quiz served as a foundation to educate participants about sustainable practices and encourage energy-conscious behaviour.

Day 3: 19th December 2024

Save Energy for a Secure Tomorrow: A Call for Public Awareness

Students were encouraged to take active roles in promoting energy conservation within their campus. By adopting conscious daily habits, participants explored ways to reduce energy consumption and lower their carbon footprint, contributing to a sustainable future.

Day 4: 20th December 2024

Sustainable Solutions: Energy Conservation Model Exhibition

Participants showcased innovative models highlighting sustainable solutions for energy conservation.

Key topics included:

- **Green Building:** Designs focusing on energy efficiency, water conservation, and eco-friendly materials.

- **Water Management:** Rainwater harvesting systems for reducing groundwater dependency.

- **Wastewater Purification:** Technologies ensuring treated water safety and reuse.

- **Star Ratings on Electrical Appliances:** Promoting energy-efficient appliance selection.

- **Energy Efficiency in Transportation:** Efficient vehicle technologies like electric and hybrid models.

- **Solar Energy:** Harnessing solar power as a clean and sustainable energy source.

Day 5: 21st December 2024

Leading the Change: Energy Conservation Strategies for Educators

The program concluded with strategies for educators to promote energy conservation awareness. Activities included:

- Organizing campaigns, rallies, and events.

- Distributing energy-saving tips, brochures, and posters.

- Sharing actionable advice:

  1. Turn off lights, electronics, and equipment when not in use.

  2. Use energy-efficient lighting.

  3. Adjust thermostat settings.

  4. Use power strips to minimize energy wastage.

MODEL TOPICS:

1.GREEN BUILDING: A green building, also known as a sustainable or eco-friendly building, is designed, built, and operated to minimize its negative impact on the environment while maximizing the use of natural resources. These buildings focus on energy efficiency, water conservation, and the use of eco-friendly materials, all while ensuring a healthy indoor environment for occupants. The concept of green building is rooted in the idea of reducing our carbon footprint. This means using renewable energy sources like solar panels, ensuring proper insulation to reduce energy waste, and incorporating natural ventilation and lighting.

2.WATER MANAGEMENT: Rainwater harvesting is the collection and storage of rain, rather than allowing it to run off. Rainwater is collected from a roof-like surface and redirected to a tank, cistern, deep pit, aquifer, or a reservoir with percolation, so that it seeps down and restores the ground water. Rainwater Harvesting is one of the most commonly used methods to save water. It reduces soil erosion, stormwater runoff, flooding, and pollution of surface water with fertilizers, metals and other sediments. The implementation of rainwater harvesting system is an important step towards reducing the dependence on groundwater and other sources of water. The project activities, budget, and timelines have been carefully planned to ensure that the system is installed efficiently and effectively.

3.WASTE WATER PURIFICATION: A critical issue we face today is water pollution. As urban areas expand and industrial activities increase, the need for effective wastewater purification becomes more urgent than ever. The essential process involved in wastewater purification, which not only protect our water resources but also contribute to public health and environmental sustainability. The technologies used to ensure that treated water is safe for discharge or reuse.

4.STAR RATING ON ELECTRICAL APPLIANCES: Star rating to the electrical appliances can be given by the way they performance and their efficiency is. These star ratings are given to the appliances of energy efficiency. They calculate and evaluate how better the electrical appliances can save the energy. These star ratings help consumers choose products that are more energy-efficient, which can reduce electricity consumption and lower utility bills. Appliances are given a star rating based on how much energy they consume. More stars mean higher efficiency. The star system allows consumers to compare different models of the same type of appliance to see which one will be more energy-efficient. These energy-efficiency is determined by BEE in India.

5.ENERGY EFFICIENCY OF TRANSPORTATION: In today's world, transportation is not just about getting from one place to another. It's about how efficiently we do it. Vehicle efficiency refers to how well a vehicle uses energy to perform its task, whether it runs on petrol, electricity, compressed natural gas, hydrogen, or a combination of these. Vehicle efficiency is crucial because it affects Environmental impact, Cost-Effectiveness, Energy Conservation, Long-Term Sustainability. Petrol vehicles are of high power and speed. Moderate fuel efficiency. Electric vehicles are best for urban driving due to regenerative braking in stop-and-go traffic. Hybrid vehicles will Combines an internal combustion engine and an electric motor for smooth performance.

6.SOLAR ENERGY: Electrical energy is often considered the backbone of modern civilization, powering everything from homes and industries to transportation systems and communication networks. Electric energy enables technological innovation, enhances productivity, and drives economic growth. Solar energy is generated from the sun's rays either through solar thermal systems. The world is facing an unprecedented energy crisis. With the increasing demand for energy and the depletion of fossil fuels, it has become imperative to explore alternative sources is solar energy, which has emerged as a clean, renewable, and sustainable energy source.

The Energy Conservation Week provided a platform for participants to gain hands-on experience and deepen their understanding of energy conservation. The models, discussions, and activities emphasized the significance of individual and collective efforts in building a sustainable future. By fostering awareness and practical applications, the program empowered students to become advocates for energy efficiency and environmental sustainability.

HOD EEE

Event Report Topic on : <mark>Womens`s day -2025Motivational speech</mark> on personal safety and social responsibility

Date&Time: March 7th, 2025 &12:00 AM to 12.30 AM

Venue:GVPCEW(A), Room no: 202

On 7th March, as part of our International Women's Day celebrations, the PM Palem Sub-Inspector (Sunita garu)visited our college to inspire and motivate our students. During her session, she provided valuable insights on personal safety and social responsibility.

She emphasized the importance of:

• Avoiding unnecessary contact with unfamiliar individuals.

• Not confiding in or relying solely on casual acquaintances.

• Being independent, confident, and self-reliant in all aspects of life.

The SI Sunita garu encouraged students to maintain strong family support, be courageous in facing societal challenges, and use resources like the Disha App or contact Dial 114 or 112 for immediate police assistance when needed.

She advised students to stay focused on their studies, set clear goals, and strive for success in their chosen fields. Her motivational talk aimed to guide students toward social responsibility and personal well-being.For women's safety, the following emergency helpline numbers are available for immediate assistance in India she remined once again

• Disha App – A dedicated app for women's safety in Andhra Pradesh.

• Dial 112 – Emergency Response Support System (ERSS) for immediate police assistance.

• Dial 114 – Women's safety helpline in Andhra Pradesh.

• Dial 1091 – National helpline for women in distress.

The event was coordinated by Dr. B. Vijaya Lakshmi, along with a few other lady faculty members and non teaching staff and was attended students form different branches like CSE,ECE,CCM and IT Approximately 100+ students from various branches attended the session, which was held in Room Number 202.

On behalf of GVP College of Engineering, Dr. B. Vijaya Lakshmi expressed heartfelt gratitude to the PM Palem Sub-Inspector for her inspiring talk and valuable guidance. She also delivered the vote of thanks, appreciating the officer's time and efforts in empowering the students.
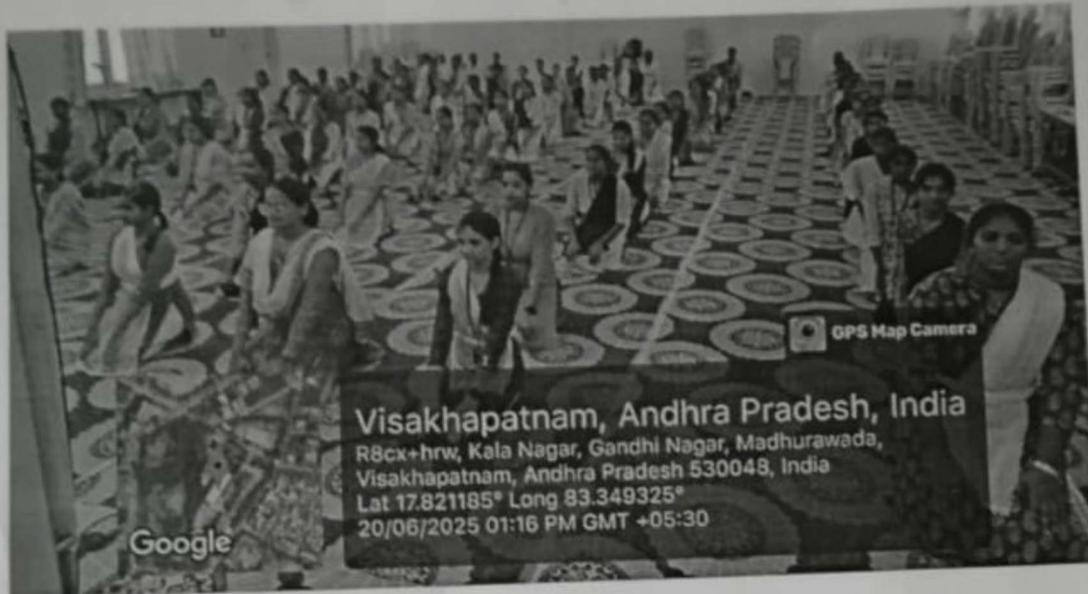
EVENT PHOTOS:

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EEE Branch Accredited by NBA (2023-2026)
Accredited by NAAC with grade 'A' from 2022 to 2027

Visakhapatnam, Andhra Pradesh, India
R8cx+hrw, Kala Nagar, Gandhi Nagar, Madhurawada,
Visakhapatnam, Andhra Pradesh 530048, India
Lat 17.821185° Long 83.349325°
20/06/2025 01:16 PM GMT +05:30

On **20th June 2025** and **21st June 2025**, Gayatri Vidya Parishad College of Engineering for Women celebrated International Yoga Day 2025 by hosting two yoga sessions. The first session was held on the **20th of June**, followed by another early morning session on **21st June 2025**, starting at **6:30 AM**. Both sessions were conducted under the able supervision of the **Principal, Dr. R.K. Goswami**, and the Vice-Principal, **Sudheer Garu**, ensuring smooth coordination and guidance. The sessions witnessed the active participation of the **Secretary, Dr. P. Somaraju Garu**, who joined the participants and added immense joy and enthusiasm to the event. The campus was filled with energy as students and faculty members came together to embrace yoga's health benefits, making the event a memorable celebration of wellness and unity.

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Ph   0891-2739144   Fax   0891-2526639   e-mail: gvpcew@gmail.com

S No	Year	Name	Branch
1	I st	U. Suwya Pavani	IT
2	I st year	N. Niharika	IT
3	I st	G. Nihitha	IT
4	I st	SK. Asma	IT
5	I st	P. Bharathi	IT
6	I st	N. Vineela	IT
7	I st	K. Rishika	IT
8	I st	G. Gayatri	IT
9	I st	M. Sireesha	IT
10	I st	V. Jahnavi	CSM
11	I st	K. Ankitha	CSM
12	I st	N. Ramya	CSM
13	I st	S. Sirisha	CSM
14	I st	K. Renuka	IT
15	I st	R. Jeevitha	CSM
16	1 st	P. Asha sri	CSM
17	1 st	M. Greetika	CSM
18	1 ST	G. Asritha	IT
19	1 st	K. Mahiya	IT
20	1 st	V. Suma Priya	CSM
21	1 st	G. Varshini	IT
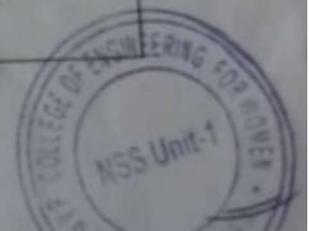
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22	1st	K. Vijaya Kumari	IT
23	1st	M. Gayathri Manojna	IT
24	1st	Y Bhagya Sri	CSM
25	1st	S. Aasritha	CSM
26	1st	K. Jyothi	CSM
27	1st	M. Venkata Priyanka	CSM
28	1st	ch. Greeshmi.bichowdary	CSM
29	1st	I. Kaivalya	CSM
30	1st	P. Anjana suavya	CSM
31	1st	S. Aswija	CSM
32	1st	P. Rupavathi	CSM
33	1st	V. Gayatri Durga	CSM
34	1st	ch. Kanti	IT
35	1st	B. Akshaya.	IT
36	1st	ch. Harika.	IT
37	1st	G Nithya Sri	IT
38	1st	K.S.L. Sahasra	IT
39	1st	M. Varshini	IT
40	1st	K Lavanya	IT
41	1st	P. Usha Shri	CSM
42	1st	B. Sailaja	CSM
43	1st	V. Harshini	CSM

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44	1st	Ch. Amrutha	CSM
45	1st	G. Sai Sowmya	CSM
46	1st	L. Krupa	CSM
47	1st	T. Bhagya Sri	IT
48	1st	K. Bhavani	IT
49	1st	M. Durga Vineetha	IT
50	1st	CH. Likitha	IT
51	1st	K. Mounika	CSM
52	1st	V. Sanjana Ramaneesha	IT
53	1st	P. Sravani	IT
54	1st	Baki Preeti Reddy	IT
55	1st	K. Rakshitha	CSM.
56	1st	K. Indhu	CSM.
57	1st	M. V. Sai Sree	CSM
58	1st	M. Deepthi	CSM
59	1st	M. Divya	CSM
60	1st	V. Nikhila	CSM
61	1st	G. Vaishnavi	CSM
62	1st	K. Neha Sri	CSM
63	1st	Cn. Koovishmitha	CSM
64	1st	B. Sailaja	CSM
65	1st	L. Jyothi	CSM

GAYATRIVIDYAPARISHADCOLLEGEOFENGINEERINGFORWOMEN

ACADEMICYEAR:2024-2025

SNO	ACTIVITY	DATE	NUMBEROF PARTICIPANTS
1	NATIONAL YOUTH DAY2025: NSS AND YOUTH UNITE IN CELEBRATION OF SWAMI VIVEKANANDA'S LEGACY IN VIZAG	12-02-2025	34
2	RAISING AWARENESS ON DRUG ABUSE	22-03-2025	45
3	DAAN UTSAV	07-04-2025	5
4	HPV VACCINE AWARENESS CAMPAIGN	02-05-2025	208
5	INTERNATIONALYOGADAY	21-06-2025	60

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Report on National Youth Day 2025: NSS and Youth Unite in Celebration of Swami Vivekananda's Legacy in Vizag

"Strength is life, weakness is death."

No. of Volunteers Involved: 34   12-02-2025

The Ramakrishna Mission Ashrama in Visakhapatnam conducted a grand "Vivekananda Shobha Yatra" on February 7, 2025, in celebration of National Youth Day. The event drew over 5,000 students from 35 degree and PG colleges, 10 engineering institutions, and various schools. The rally began at the Government Women's Degree College, Daba Gardens, and was flagged off by key dignitaries including the Vice-Chancellor of DSNLU and the District Collector. Students marched energetically with placards and dressed as Swami Vivekananda and Bharata Mata, spreading his timeless message of youth empowerment and national pride.
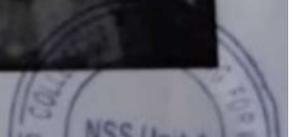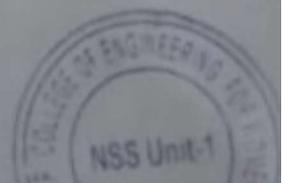
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The procession passed through major areas, including the Central Revenue Staff Quarters, where it was joined by Customs and GST officials, IRS officers, and the Divisional Railway Manager, showcasing strong public and official support. The rally concluded at the Ashrama campus, where students were gifted a copy of Positive Thinking, a compilation of Swami Vivekananda's messages, and were served prasad. The event was planned in coordination with NSS and NCC officers and was widely covered by the media. The Shobha Yatra was appreciated for its organization, spirited participation, and for effectively promoting the values of Swami Vivekananda among the youth.

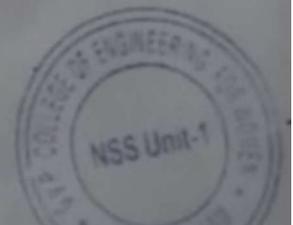# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN
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NATIONAL YOUTH DAY CELEBRATIONS - 2025, Feb 7th

Vivekananda Shobha Yatra

List of NSS Volunteers   9.00-11.00 AM

S No	Name	Roll No	Section/Year	Phone No.	
1	Earle Praneetha	25	3ECE-1	6305872348	Praneetha
2	Ch. K. Ramya	13	3ECE-1	9032299166	Ramya
3	Ch. Siva Lakshmi	12	3ECE-1	7815873081	Siva lakshmi ch
4	T.Meghana	96	3ECE-2	9346316955	Meghana.
5	T.Gnaneswari Prasanna	95	3ECE-2	6305007881	T Gnoneswari
6	U.Pavani	100	3ECE-2	8106275041	U. Pavani Prasana
7	Y.Harshitha Reddy	97	3ECE-2	7386415865	Y Harshitha Reddy
8	P.Kumari	75	3ECE-2	8374978928	P. Kumari
9	R.Mounika	85	3ECE-2	7093589702	R Mounika
10	V.Pallavi Rani	170	3CSE-3	9493956281	Pallaviriani
11	S.Monisha	136	3CSE-3	8328654911	S. Monika
12	V.Prathima	168	3CSE-3	9966268546	V. Prathima
13	S.Yogitha	135	3CSE-3	8309515055	S. yogitha
14	T.Sai Jahnavi	159	3CSE-3	9247518897	T. Sai Jahnavi
15	L.Meghamala	54	3CSM-1	8019350591	L. Meghamala
16	G.Lavanya	33	3CSM-1	9063008722	G. Lavanya
17	M.Aloukhya	58	3CSM-1	6305805559	M. Aloukhya
18	B.Soundarya	12	3CSM-1	7780227061	B. Soundarya
19	A.Mounika	4	3CSM-1	8555916829	A. Mounika
20	B.Satya Sri	14	3CSE-1	8688869438	B. Satya Sri
21	D.Kiranmayee	35	3CSE-1	9949676465	D. Kiranmayee
22	D.N.Samyutha	37	3CSE-1	9951479504	D.N. Samyutha
23	E.Chandini	39	3CSE-1	6301109772	E. Chandini
24	Ch.Tejeswini	26	3CSE-1	9381452366	Ch. Tejeswini
25	B.Harika	5	3-EEE	6304028411	T. Neeharika
26	T.Neeharika	27	3-EEE	9346189503	M. Spandana
27	M.Spandana	19	3-EEE	7013954504	S. Archana
28	S.Archana	24	3-EEE	9505484190	
29	M.YaminiSaraswathi	31	3-IT	7780502298	Yamini
30	Teja Sri paluri	108	3CSE2	6300299236	Teja sri
31	Chandana Nuthalapathi	103	3CSE2	7780225980	Hemalatha
32	Hemalatha Miryala	96	3CSE2	9182711181	Vyshnavi
33	Aashritha Ancel N	102	3CSE2	9000275903	Aashritha
34	Vyshnavi Patoju	113	3CSE2	9949967923	Archana

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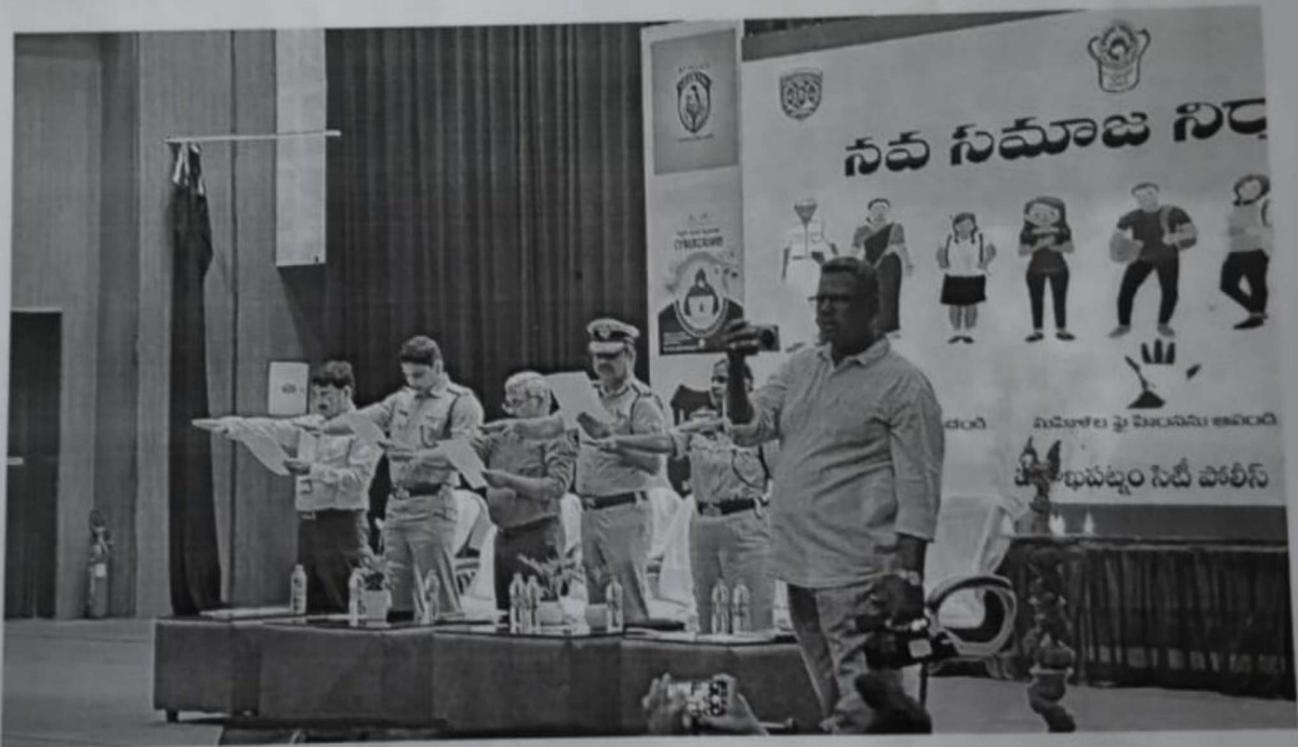Report on Raising Awareness on Drug Abuse: Combating the Growing Threat of Drug Abuse Among Youth

"Drug Abuse Destroys – Awareness Saves"

No. of Volunteers Involved: 5   22-03-2025

No. of Students Involved: 40

Drug abuse is a serious issue that affects individuals, families, and communities. It refers to the harmful or excessive use of drugs, including alcohol, prescription medications, and illegal substances. Drug abuse can lead to physical and mental health problems, addiction, poor academic or job performance, and strained relationships. It often begins with curiosity or peer pressure, especially among young people. Raising awareness, providing support, and encouraging healthy lifestyle choices are key to prevention. Rehabilitation and counseling can help those affected recover and rebuild their lives. Combating drug abuse requires a united effort from families, schools, and society.
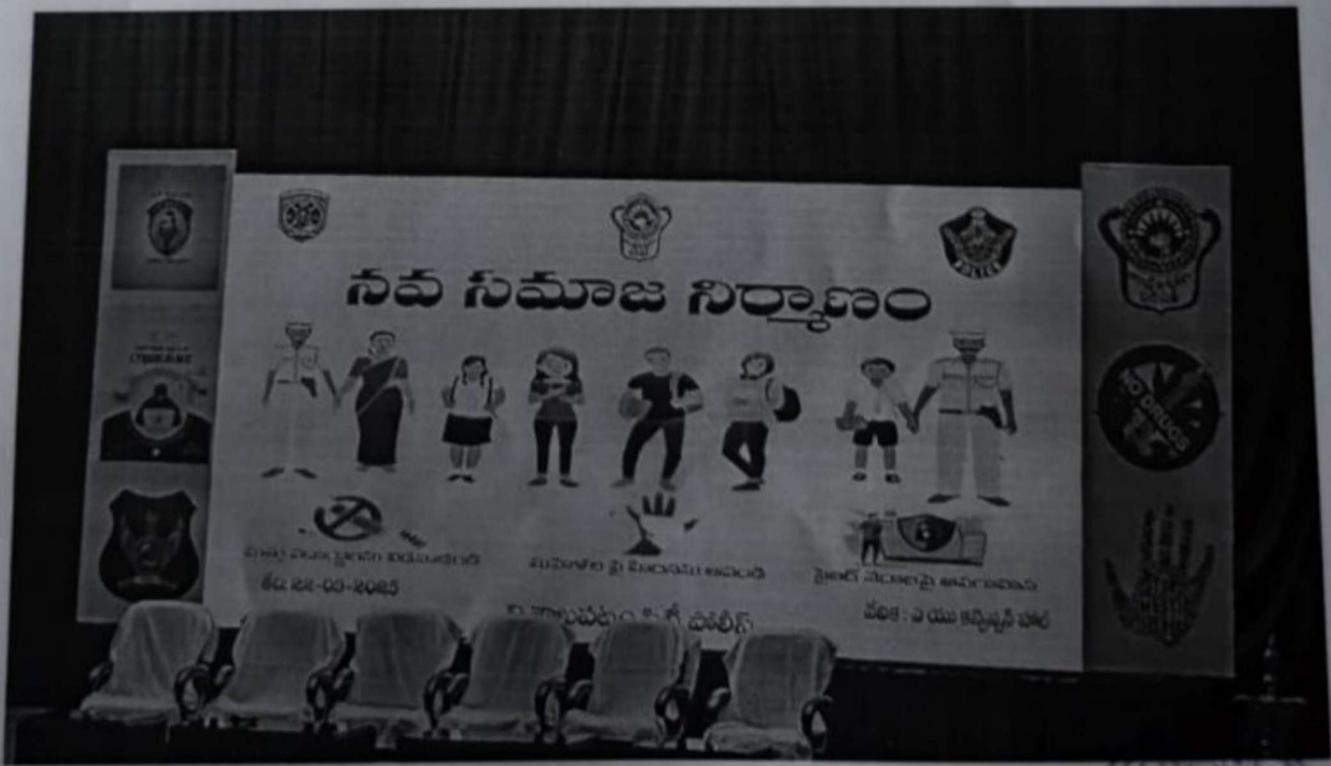
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On 22 March 2025, Visakhapatnam City Police, under the leadership of Commissioner **Shankhabrata Bagchi**, launched the pioneering **Nava Samaja Nirmanam** programme—the first of its kind in Andhra Pradesh—targeting youth engagement and social awareness. The initiative brought together over **2,000 students**, including members of Andhra University such as the Vice-Chancellor, to confront pressing issues like drug abuse, cybercrime, and violence against women. Through interactive sessions, the programme provided practical guidance on identifying, responding to, and reporting these challenges. It also featured an essay-writing competition, rewarding students whose written pieces demonstrated depth in understanding and advocacy. By blending awareness with actionable strategies, Nava Samaja Nirmanam positioned students as informed guardians of community safety. This comprehensive approach not only fostered civic responsibility but also strengthened police–student partnerships, setting the stage for future outreach efforts aimed at nurturing a safer, more aware generation in Visakhapatnam.

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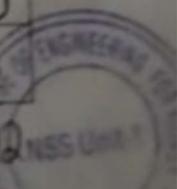(Approved by AICTE, New Delhi and Affiliated to Andhra University, Visakhapatnam)
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S No	Roll No	Name	Year/Branch	Phone Number
1.	324103210229	V. Mahathi	1. CSE-IV	6301945187
2	324103210226	V. Mohana	1. CSE-IV	9063748555
3	324103210222	T. Vasavi	1-CSE-IV	8639630417
4	324103210075	J. Jyostna Sri	1- CSE-II	9014803806
5	324103210081	K. Poorna Chandrika	1-CSE-II	8143966752
6.	324103210099	K. Purna Tanmayi	1. CSE-II	9059478366
7.	324103210194	S. Lakshmi Sirisha	1. CSE-IV	9256626669
8	324103212087	P. Chaitanya	1. ECE-II	7337536306
9.	324103212031	E. Sai Sri Lekha	1. ECE-I	8074619421
10	324103210217	T. Akshaya	1. CSE-4	9063175845
11	324103212040	J. Lakshmi sudha	1. ECE-I	8179663346
12	324103212032	E. Harini	1. ECE-1	6303239498
13	324103210088	K. L. Vyshnavvi	1. CSE-II	9398671517
14	324103210236	V. Hemalatha	1. CSE-IV	7396317535
15	322103211031	M. Yamini Saraswathi	3-IT	7780302298
16	322103210059	E. Chandini	3 CSE-1	6301109772
17	322103210037	D. N. Ramyutha	3 CCE-1	9951479504
18.	322103282110	D. Siri Vaoshini	3 CSM-2	7569415679
19	323103282057	M. V. Priyanka	2 CSM-1	8712394852
20	323103282041	K. Jyothi	2 CSM-1	9059862329
21	323103282045	K. Pavani	2 CSM-1	8341992044

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No.	ID	Name	Branch	Phone
22	323103210144	M. Vasanthi	2CSE-III	9676693634
23	3231032820014	Ch. Greeshmi Sai	2CSM-I	8919127439
24	323103210022	B. Mukteswari	2CSE-1	6301282927
25.	323103210006	A. Indrani	2CSe-1	9381269828
26.	323103210007	A. Harika	2CSe-1	6302667126
27.	323103210036	Ch. Chandrika	2CSe-1	7702608549
28.	323103210046	Ch. Sathvika	2CSe-1	8247371317
29.	323103210016	A. Hemalatha	2CSe-1	7396839439
30.	323103210019	B. Jhansi	2CSe-1	8074707721
31.	323103210039	Ch. Poojitha	2CSe-1	9553913045
32.	323103210017	A. Lolitha	2CSe-1	9948833927
33.	323103210035	B. Jasvi	2CSe-1	9063981957
34.	323103210018	B. Lahari	2CSe-1	9059597827
35.	323103211040	M. Sireesha	2 IT	9392523765 93405
36.	323103211017	G. Gayatri	2 IT	6301658816
37.	323103212019	B. Aruna Kumari	2ECE-1	7330769877
38.	323103214015	M.D. Harshitha	2 EEE	8328538333
39.	323103214017	M. Harshini	2 EEE	9110551366
40.	323103214047	M. Madhuri	2 EEE	9963049744
41	323103214051	N. Sushmitha	2 EEE	8121409674
42	323103214021	P. Abhiraya	2EEE	9392242140
43	323103214010	K. Meenakshi	2EEE	7569655192
44	323103214023	R. Samanvitha	2 EEE	8019643942

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Report on Daan Utsav : Clothes Donation Drive by NSS Volunteers of GVP Women's Engineering College Brightens Lives of Children

"Giving is the greatest act of grace"

No. of Volunteers Involved: 5   07-04-2025

Daan Utsav is an initiative focused on the act of giving and sharing with those in need. On 7th April 2025, the NSS volunteers of Gayatri Vidya Parishad College of Engineering for Women organized a donation drive where they collected and distributed clothes and other essentials to underprivileged children. Additionally, the volunteers extended their support to **Aruku Kasipatnam Chinnamma**, a dedicated teacher who has significantly contributed to the community. This event was a meaningful expression of compassion and service, aimed at uplifting the lives of children and honoring the commitment of a valued educator.

During Daa Utsav, volunteers engaged in various activities aimed at spreading awareness and celebrating the spirit of giving and service. The event fostered community participation and reflected the college's dedication to nurturing socially responsible students. The recognition of Aruku Kasipatnam Chinnamma highlighted the importance of educators in shaping lives and inspiring social change.

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
1.	CSE	A. Samyuktha	A. Smyukh
2.	CSM	M. Venkata priyanka	M. V. priyanka
3.	CSE	Yamini	Yamini
4.	ECE	S. Spandana	S. Spandana
5.	IT	G. Chaudini	Chaudini

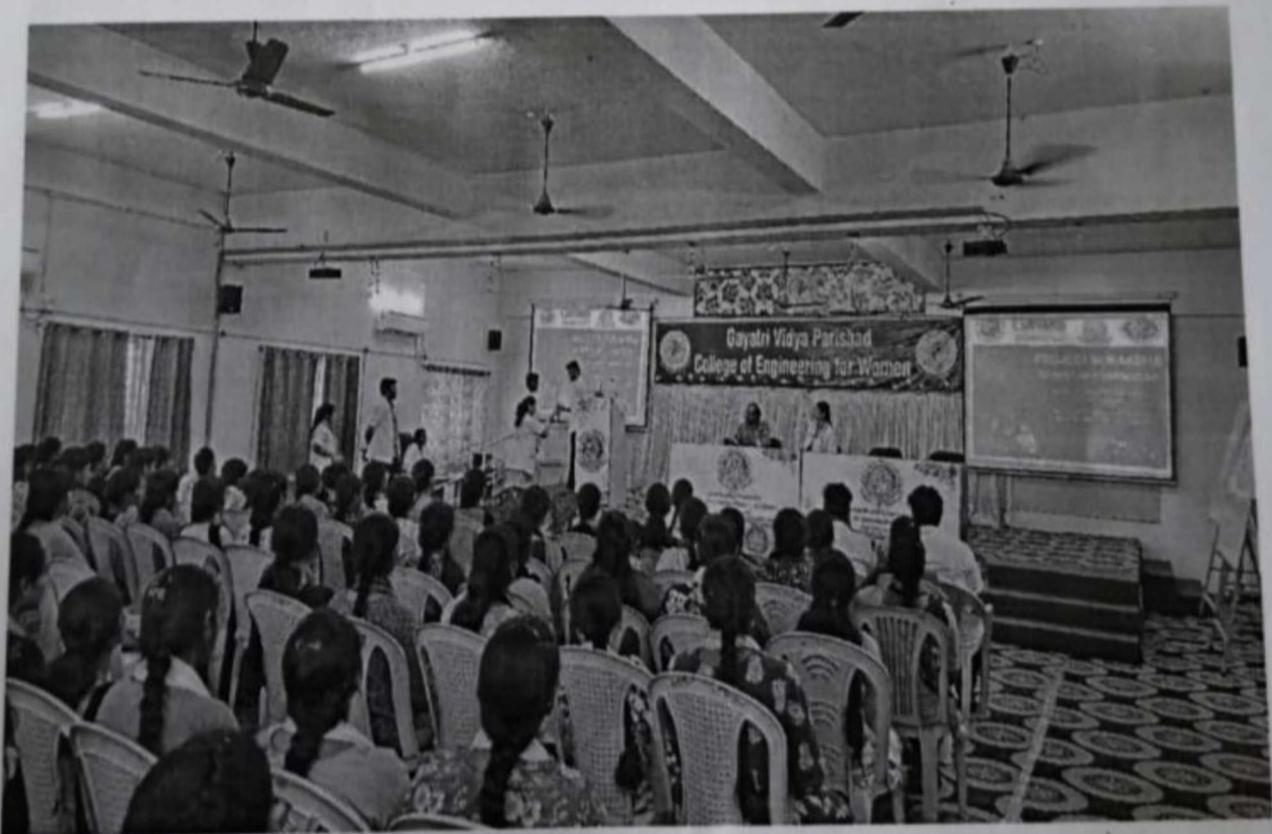**GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN**
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Report on HPV Vaccine Awareness Campaign: A Collaborative Initiative to raise awareness and promote protection through the HPV vaccine.

"United for a healthier tomorrow"

No. of Students Involved: 208   02-05-2025

Human Papillomavirus (HPV) is a common viral infection with the potential to cause cervical, anal, oropharyngeal, and other cancers. Despite the availability of a safe and effective vaccine, misinformation and lack of awareness contribute to low vaccination rates in many regions. To combat this, a multi-stakeholder awareness campaign was designed and implemented.

The HPV Vaccine Awareness Campaign was conducted on **2nd May 2025** by students of GVP **Medical College** as part of a public health outreach initiative. The event took place at **Gayatri Vidya Parishad College of Engineering for Women**, where medical students engaged with engineering students through informative sessions, interactive discussions, and educational materials. The campaign aimed to raise awareness about the risks associated with Human Papillomavirus (HPV) and the importance of early vaccination in preventing cervical and other HPV-related cancers. The initiative fostered a collaborative environment, encouraging young women to make informed health decisions and empowering them with accurate, science-based information about the HPV vaccine.

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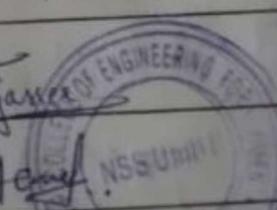# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN
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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
1.	CSE-4	S. Hyndavi	S. Hyndavi
2.	CSE-4	T. Hrudayaswari Devi	T. Hrudaya/
3.	CSE-4	K. Sravani	
4.	CSE-4	V. Manaswi	Manaswi
5	CSE-4	V. Hyndavi	V. hyndavi
6	CSE-4	V. Amulya	Amulya
7	CSE-4	G. Swapna	Swap
8	CSE-4	V. Renuka Parvathi	Renuka
9.	CSE-4	S. Nayana Sree	Nayana Sree
10	CSE-4	V. Hema	hema
11	CSE-4	S.L. Sirisha	Sirisha.
12	CSE-4	V. mahathi	mahathi
13	CSE-4	S. Sai Nymisha	Nymisha
14	CSE-4	S. Sirisha	sirisha
15	CSE-4	S. Tejaswini	Tejaswini
16	CSE-4	Sk. Shaheen	shaheen
17	CSE-4	S. Chitra	Chitra
18	CSE-4	S. Triveni	Triveni

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
19	CSE - IV	Sk. parveen	Sk. parveen
20	CSE - IV	V. padmavathi	V. padmavathi
21	CSE - IV	S. Prasanthi	S. Prasanthi
22	CSE IV	S. Bhagyashree	S. Bhagyashree
23	CSE - IV	V. Aarsha Saranya	Saranya
24	CSE - IV	M. Vasavi	T. Vasavi
25	CSE - IV	S. Sneha	S. Sneha
26	CSE - IV	V.A. Sindhu	V. A. Sindhu
27	CSE - IV	T. Manasa	Manasa
28	CSE - IV	V. V. Chinmayi. P	V V Chinmayi
29	C SE - IV	V. Quires	
30	CCE - IV	K. lavanya	
31	CSE - IV	Y. Prasanthi	Prasanthi
32	CSE - IV	V. Hemalatha	Hemalatha
33	CSE - IV	M. Yashaswini	M. Yashaswini
34	CSE - IV	S. V. N Jyoshika	Jyoshika

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NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
35	CSE -4	V. Suhita Reddy	V. Suhita Reddy
36	CSE -4	S. Pujitha	S. Pujitha
37	EEE	A. Jhanusha	A. Jhanusha
38.	EEE	N. Navyasri	Nayari
39.	EEE.	S. Sobhasree	Sobta
40	EEE	P. Lohitya	P. Lohitya
41.	CSM-1	A. Prasanthi	A. Prasanthi
42	CSM-1	G. Manasa	G. Manasa.
43	CSE -4	Ruchita. S	Ruchita. S
44	CSE -4	Vahini. P	Vahn. P.
45	CSCM -1	K. Keertha	KABru
46	CSM -1	d. Kavyanjali	Kavyjali
47.	CSM -1	K. Harshita	K. Harshita
48.	EEE	A. Ankitha	A. Ankitha
49.	CSM-1	A. Siri Vyshnavi	A. S. V
50.	CSM -1	A. R. S. Keerthana	A. R. S. Keerthana
51.	CSM - 1	G. V. S. Tejasree	Tejasree

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
53	CSM-I	G. Gnana Sri	Gnanasa
54	CSM-I	B. Roshini	B Roshio
55	CSM-I	B. Mrudula	B Mrudula
56	CSM-I	J. Varuna	J. Vau
57	CSM-I	Hasi Priya.Y	Hari Priya.Y
58	CSM-I	K. Vineetha	K. Vineetha
59	CSM-I	B. Pravalli	B.R
60	CSM-1	A. Navya	A. Navya
61	CSM-1	G. Shreya	A
62	CSM-1	D. Ruchitha	Rudt
63	CSM-1	G. Suryabala	Ybak
64	CSM-1	B. Meghana	B Megh
65	CSM-1	G. Surya Kumari	Sunya
66	CSM-1	B. Kumari	B Kumi
67	CSM-1	K. Krishitha	K. Krishith
68	CSM-1	K. Divya Sri	K.T

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
69.	CSM-I	L. Srilatha.	Srilatha
70	CSM-I	G. Swetha	G.
80.	CSM-I	Florence. K	K
81.	EEE	k. Aavaaulesha	k. Aavaaulesha
82	EEE	k. Sravya	K. Srav
83	EEE	L. Jyothi	Jyot
84.	CSE-4	S. Sirisha	Siri
85.	CSE-2	P. Ramya	Ramya
86	CSE-2	K. Tejeswari	K. Tejeswari
87	EEE	B. Lahari	BLM
88	EEE	R. Gayatri	R. Gayatri
89.	EEE	G. Rishitha	G. Rishitha
90.	CSE-2	k. kirthika	kkirthika
91.	CSE-2	G Varshika	Gvarshika
92	CSE-2	k. Sarayu	K. Sarayu
93	CSE-02	G. Preethi Joy	G. Preethi Joy
94	CSE-2	K Geethanjali	K-Geethanjali
		J. Amulya	J. Amulya

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
96	CSE	G. Yuva Sri	G. Yuva Sri
97	CSE	G. Jyothika	G. Jyothika
98	CSE	G. Anjani	G. Anjani
99	CSE	K. Sowmya	K. Sowmya
100	CSE	J. Anjali	J. Anjali
101	CSE	K. Rishitha Sri	K. Rishitha Sri
102	CSE	L. Jahnavi	L. Jahnavi
103	CSE	K. Lakshmi	K. Lakshmi
104	CSE	G. Hasini	G. Hasini
105	CSE	K. Hemalatha	K. Hema Cath
106	CSE	M. Soniya	M. Soniya
107	CSE	J. Pavithra	Pavithra
108	CSE	K. Rithika	K. Rithika
109	CSE	K. Eekshitha	K. Eekshitho
110	CSE	K. Nihari	K. Nihari
111	CSE	K. Tanmayee	K. Tanmayee

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
112	CSE	K. Mounika	K. Mounika
113	CSE	N. Mohitha Lakshmi	N. Mohitha
114.	IT	K.K. Gayatri	Gayathileli
115	IT	M. Lasya Priya	Lasya
116	IT	E. Susmitha	E. Susmitha
117	IT	V. Lekha	V. Lekha
118	IT	Ch. Lakshmi Sameera	chhachhihc
119 142	IT	P. Usha Rani	Ushalani
120.	IT	K. Mahima Jaya Durga	K. Mahima
121.	IT	N. Veena	N. Veena
122.	IT	M. Srivalli	M. Sri
123.	IT	P. Priyanka	P. Priyanka
124	IT	R. Gayatri Naidu	Rani
125	IT	SK. Malim	Malim
126	IT	P. Jahnavi	P. Jahnavi
127	IT	V. Kusuma	V. Kusuma
128	IT	M. Karuna	M. Karuna
129	ECE	M. Madhi	M. Madhri

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
130	IT	J. Jaji chandrakala.	J. ch. kala
131	IT	N. Harshitha	N. Harsheth
132	IT	Sayyad Aarifa	S. Aarifa
133	IT	Poreddi Sai Manasa	P. Sam
134	IT	K. Harshitha	K. Harsh
135	IT	Rohini Matha	Rohini Matha/.
136	IT	B. Akanksha	B Akanksha
137	IT	Ch. Mrinali	ch. Mrinal
158	IT	M. Megha Varshitha	M. St.
139	IT	S. Reshma Sree	Resh
140	IT	Y. Navya.	Y. Davje.
141.	IT	Y. Ramya Sri	Ramya.
142.	IT	D. Lavanya	Lavaya
143.	IT	Padmavathi	Padmavathi
144.	IT	Bhavani	Bhavani
145	IT	D. Jesmitha	D. Jesmith

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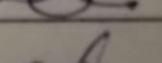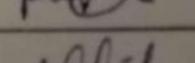| S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
146.	IT	V. lakshmi Prasanna	V. lakshmi Prasanna
147	IT	S. priyaka	S. priyak
148	IT	Ch. Nandini	ch. Nandini
149.	IT	J. Pravallika	J. Pravellika
150.	IT	B. Chandrika	B. chandrika
151.	ECE-2	T. pavani lakshmi	T. pav
152	ECE-2	P. Tanusri	tanusri
153.	ECE-2	V. Likitha	v. likitha
154	ECE-2	N. Anjali	Anjali.
155	ECE-1	D. Abhinayasri	Abhinaya
156	ECE-1	ch. swathi	ch. swathi
157	ECE-1	B. Reshma	B. Reshm
158	ECE-1	K. Bhavye	K. Ber
159	ECE-1	M. Prasanna	M. Prasa
160	ECE-1	Md. Shahera Bhanu	Shahen
161	ECE-1	A. Nava Deekshitha	A. Nava Deekshita
162	ECE-1	B. Yogitha	B. Yogitha
163	ECE-1	Amrutha Varshini. S	Amrutha Varshini. S

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Date: 02-05-2025

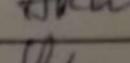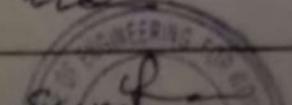| S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
164	ECE	M. Mrudula Sridai Jalitha	M. Mrudula.J.J.L
165	ECE	D. Renuka	D. Ral
166	ECE	E. Dharshini	E. Dharshy
167	ECE	J. Aasritha	J. Aarritha
168	ECE	M. Yamini	H. Yamini
169	ECE	M. Nishhkala	M. Nishhkala
170	ECE	K. Sree Deepthi	k. Sree Deepthi
171	ECE	K. Sanghamitra	K. Sanghamita
172	ECE	A. Sujatha	A. Pujathu
173	ECE-1	A. Aswini	A. Aswini
174	CCE	A. Vaishnavi	Aco
175	ECE -2	V. Anjali	Anjuli
176	ECE-2	V. Saloni	Salon
177	ECE-2	S. pravalika	Parl
178	ECE-2	M. Supriya	w
179			w

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S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
180	ECE-2	Lohitha	
181	ECE-2	P. Poojitha	P. Poojitha
182	ECE-2	N. Akshaya	v. Aksh
183	ECE-2	P. Akshaya	P. Akshy
184	ECE-2	T. Soniya	P. Donie
185	ECE-2	M Gowreeswari	M. Guri
186	ECE-2	N. Mythili	myth
187	ECE-2	P. Dikshita	Dkec
189	ECE-2	S.I.R.S. sucharitha	such
190	ECE-2	Begum	Begu
191	ECE-2	Bhagya	Bh
192	ECE-2	Bhoomika	Bh
193	ECE-2	chaitanya	chu
194	ECE-2	Lalithi sri	Le
195	ECE-2	Pushpa	pu
196	ECE-2	Akhila	Akhila
197	ECE-2	Dharani	Ye
198	ECE-2	Sunitha	sun
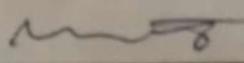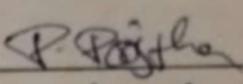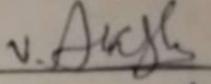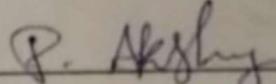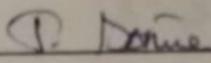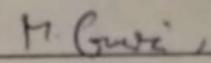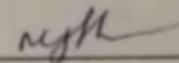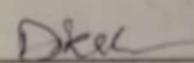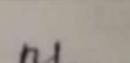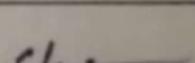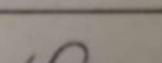
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Date: 02-05-2025

S.NO.	BRANCH	NAME	SIGNATURE OF THE CANDIDATE
199	ECE-2	Srilatha	Sri
200	ECE-2 / EEE-2	S. Sowjana	Sowjan
201	ECE-2	pavithra	pavithr
202	ECE-2	Tanmi Culai	Tulaw
203	ECE-2	Reshma	Reshw
204	ECE-2	K. Bhargavi	K. Bhargav
205	ECE-①	V. Sravani	V. Sravani
206	ECE-①	J. Pallavi	J-Pallavi
207	ECE-①	K. Pranathi	K. Pranathi
208	ECE-①	M. Likitha	M. Likitha

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EEE Branch Accredited by NBA (2023-2026)
Accredited by NAAC with grade 'A' from 2022 to 2027

Report on Yoga Day: GVP College Celebrates International Yoga Day 2025 with Enthusiastic Participation

"Yoga is not just a workout; it's a celebration of life, health, and unity."

No. of Volunteers Involved: 10   21-06-2025

No. of Students Involved: 50

In India, **International Yoga Day 2025** was celebrated with grandeur and enthusiasm on **June 21, 2025**. The event marked the **11th anniversary** of this global observance, with the theme **"Yoga for One Earth, One Health."** Across the nation, various yoga sessions were organized to promote wellness, mental peace, and environmental consciousness. The **Andhra Pradesh government** hosted a grand yoga session in **Visakhapatnam**, aiming to break the **Guinness World Record** for the largest yoga gathering. This event attracted a massive turnout, with over **250,000 participants** performing yoga at a single venue.

Visakhapatnam, Andhra Pradesh, India
R8cx+hrw, Kala Nagar, Gandhi Nagar, Madhurawada, Visakhapatnam, Andhra Pradesh 530048, India
Lat 17.821175° Long 83.349233°
20/06/2025 01:19 PM GMT +05:30

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Madhurawada :: Visakhapatnam – 530 048
(Approved by AICTE, New Delhi and Affiliated to Andhra University, Visakhapatnam from 2022-2023)
(Affiliated to JNTUK-Kakinada up to 2021-2022)
Accredited by NAAC with "A" from 2022 to 2027
CSE, ECE and IT Courses Accredited by NBA (2019-2022) and Re-accredited by NBA (2022-2025)

Report on Activities conducted by Ecotech club from June 2024 to May 2025

1. Ecotech club of GVPCEW conducted an Ideathon- *'Environer'* to commemorate World Environment Day 2024- 5th June 2024, What is my Tikkun Olam? Students uploaded their ideas on the google form sent to them via email, along with pictures while doing the activity and a brief report on the activity done at their respective residences.
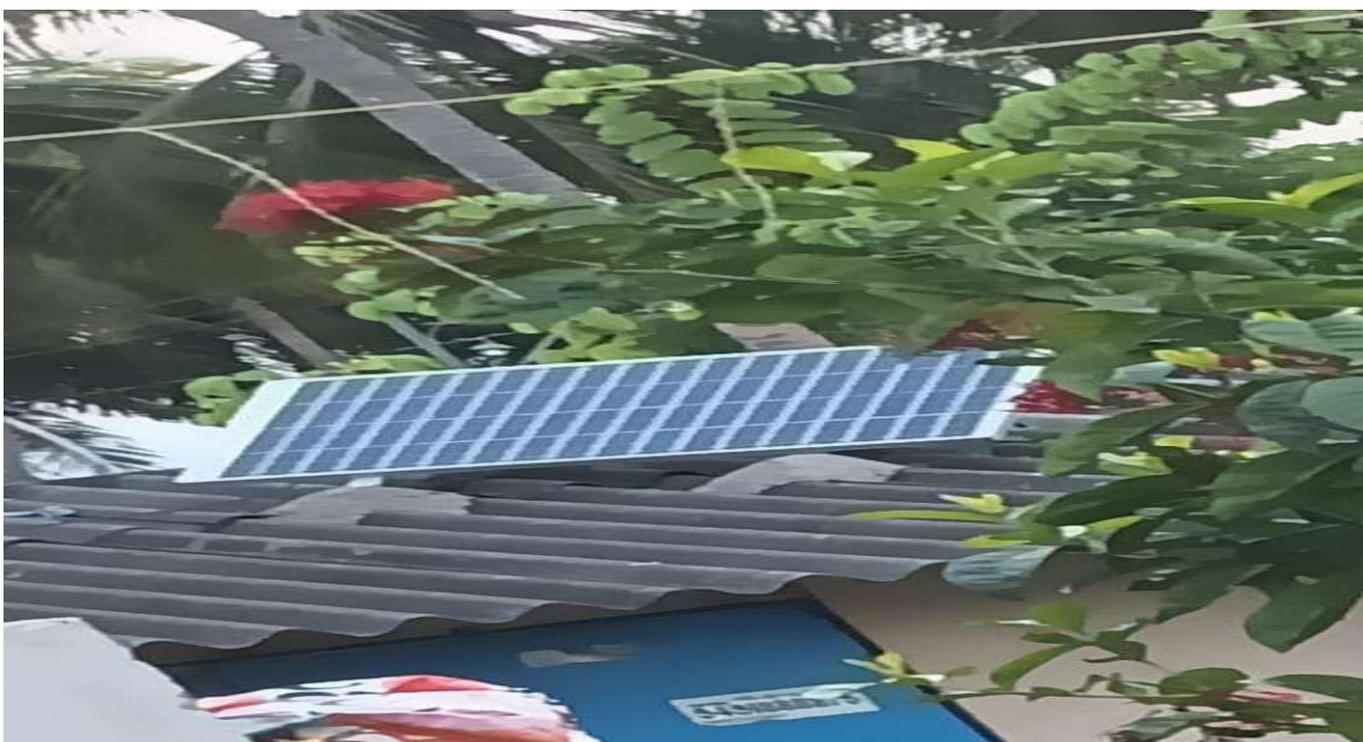
World environment day activity – 'Environer' - Ideathon
No. of Students: Names of 7 students were short listed for final presentations.
No. of faculty attended: Two 2
Dr Rani Prava Nanda, Dr. B Rajesh Babu
Details of the event: Conducted Online using google form because students had summer vacation
<u>**List of short listed students:**</u>

World Environment Day Ideathon ☆

Questions   Responses 7   Settings

Blank Quiz

B *I* U 🔗 X̶

Form description

Email *
Short answer text

Name *
Short answer text

Registration Number *
Short answer text

Where do you stay when college is open? *
○ Hostel
○ Parents/Day scholar

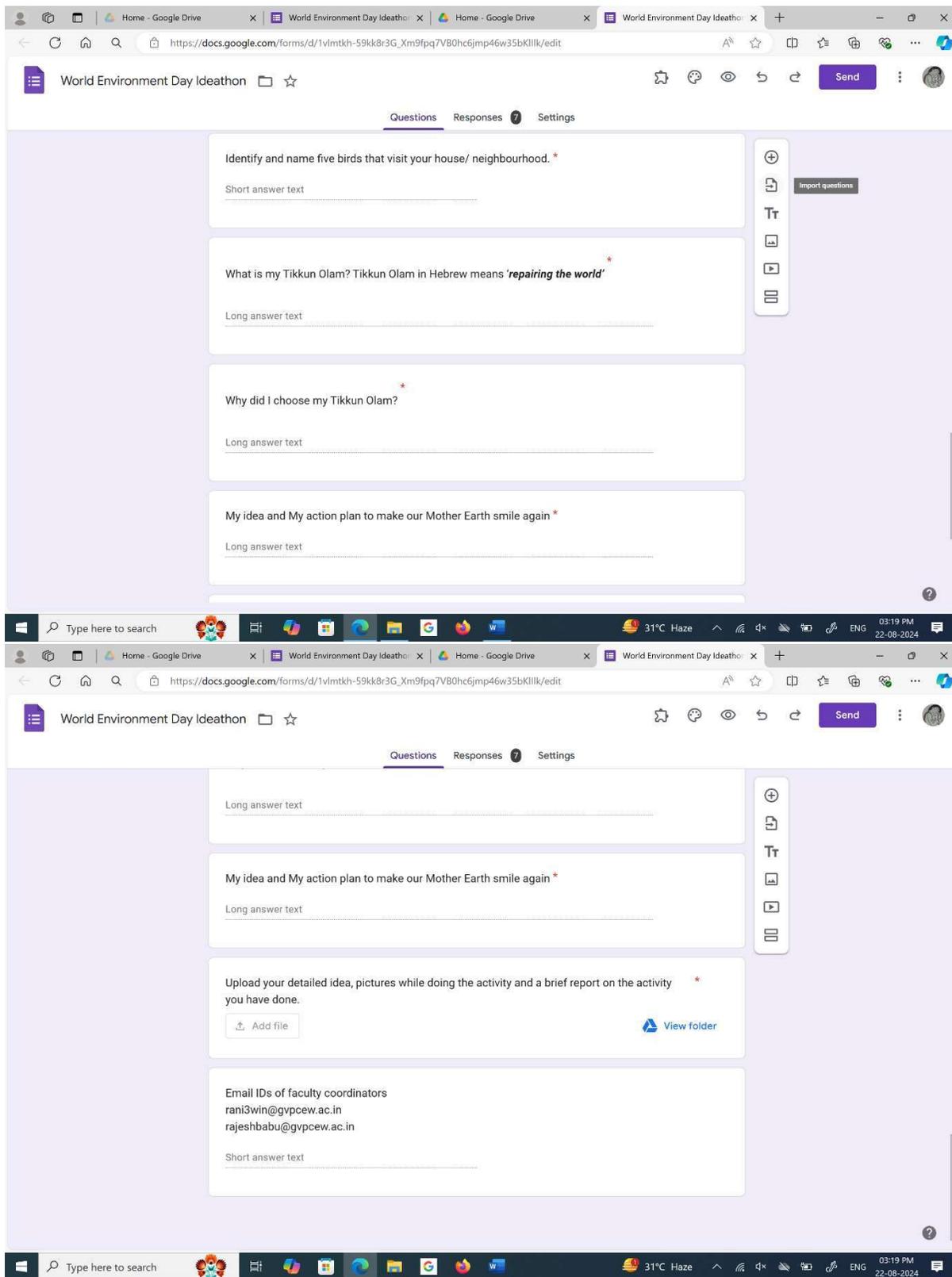**How many litres of water do you use for brushing/ washing/bathing? You as an individual.** *
Short answer text

How many hours in a day do you use your AC/ Fan? *
Short answer text

Is there a garden in your house? *
○ Roof top
○ Kitchen garden

2. Workshop was organized on 27-07-2024 to commemorate **World Nature Conservation Day 2024– "Develop responsible outlook for plastic (DROP)",** held by Centre for fostering social responsibility (CSFR) at GVPCE. The workshop was attended by students of NSS Wing and Ecotech club of GVP College of Engineering for Women. A guest lecture was organized, speaker was Mr. Appala Reddy, Expert from Indian Pollution Control association (IPCA), who stressed on Extended Producer Responsibility (EPR) and spoke about his endeavours on recycling plastic in association with GVMC, Beach cleaning initiatives, e-waste and battery waste disposal, waste segregation for recycling, effect of single use plastics on environment.

Visakhapatnam, Andhra Pradesh, India
GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING, Gandhi Nagar, Madhurawada, Visakhapatnam, Andhra Pradesh 530048, India
Lat 17.821479°
Long 83.341408°
27/07/24 11:50 AM GMT +05:30

3. **Certificates of appreciation** were given to student volunteers of Ecotech club from 2020 batch, on 09-10-2024, who were very actively involved with the activities of the Ecotech club during their B.Tech course for 4 years.

Dr. Rani Prava Nanda, Coordinator, Ecotech Club, GVPCEW
Dr. B. Rajesh Babu, Coordinator, Ecotech Club, GVPCEW