

Handbook on Sustainable Development Goals



VIGNAN'S

INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN
(AN AUTONOMOUS INSTITUTION)

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1.0 Social Responsibility Statement (SRS)

VMTW Social Responsibility embodies an approach rooted in ethical and intelligent management, prioritizing the Vignan's impact on human, social, and environmental contexts, while actively promoting the Sustainable Human Development of the nation. Central to this ethos is the "Sustainable Campus" strategy, which aims to minimize the Vignan's ecological footprint through the judicious use of resources and to instill a deep understanding of sustainability ethics within the community.

With a legacy spanning over 18 years of significant growth and demonstrated potential, VMTW is profoundly aware of its social responsibilities and confidently asserts that it consistently exceeds the expectations placed upon an organization.

VMTW is committed

1. To foster the adoption of ethical standards by students, staff, adopted villages, and all members of the VMTW community.
2. To elevate educational aspirations within the community and across the nation, encouraging broader participation in quality higher education.
3. To promote an inclusive environment where barriers to achievement are eliminated, valuing students and staff through a foundation of mutual respect.
4. To provide a campus that offers quality higher technical education alongside diverse, accessible, and inspiring facilities, both educational and recreational.
5. To integrate with and support the needs of our community, region, and nation, contributing positively to their development.
6. To uphold environmental responsibility and sustainable development principles, actively contributing to urban regeneration while minimizing any adverse environmental impact of our activities.

Introduction

The United Nations Transforming Our World: The 2030 Agenda for Sustainable Development stands as one of the most ambitious and significant global agreements in recent history. Central to this agenda is the 17 Sustainable Development Goals (SDGs), which serve as a comprehensive guide to addressing the world's most urgent challenges, including the eradication of poverty, the promotion of economic prosperity, social inclusion, environmental sustainability, and the establishment of peace and good governance in all countries by 2030.

There is already substantial engagement with the SDGs by governments, businesses, and organizations across the globe. Over the next 15 years, these goals will heavily influence



the strategies and actions of these stakeholders, as well as direct the flow of development finance. The relevance of the SDGs extends deeply into Vignan's of higher learning and the broader academic sector.

The SDGs encompass a wide range of complex social, economic, and environmental challenges. Addressing these challenges will necessitate profound transformations in how societies and economies function and how we interact with our planet. Education, research, innovation, and leadership are vital to enabling society to meet these challenges. Vignan's, with their mandate for the creation and dissemination of knowledge and their unique position within society, are crucial to the achievement of the SDGs. It is arguable that the SDGs cannot be fully realized without the active participation of the academic sector.

Engaging with the SDGs will also significantly benefit Vignan's by helping them demonstrate their impact, meet the growing demand for SDG-related education, forge new partnerships, access new funding streams, and define themselves as responsible and globally aware entities. Education and research are explicitly recognized within several of the SDGs, giving Vignan's a direct role in addressing these goals. However, their contribution to the SDGs is far broader, as they can support the implementation of every SDG, as well as the overall SDG framework. Some of the key areas of contribution include:

1.1 Learning and Teaching: Equipping students with the knowledge, skills, and drive to comprehend and tackle the SDGs—broadly encompassing 'education for sustainable development'; offering specialized academic and vocational expertise essential for implementing SDG solutions; ensuring that education is accessible, affordable, and inclusive for all; fostering capacity building for students and professionals from developing nations; and empowering and mobilizing youth towards sustainable development.

1.2 Research: Generating the critical knowledge, evidence base, solutions, technologies, pathways, and innovations required to support the global community in realizing the SDGs—through both traditional disciplinary methods and emerging interdisciplinary, trans disciplinary, and sustainability science approaches; enhancing research capacity in developing countries, aiding them in conducting and utilizing research; collaborating with and supporting innovative enterprises to implement SDG-driven solutions; improving diversity within research initiatives; and training students in sustainable development research.



1.3 Vignan's Governance, Culture, and Operations: Embedding the principles of the SDGs into governance frameworks and operational policies, influencing decisions related to employment, finance, campus services, support systems, facilities, procurement, human resources, and student administration, thereby ensuring that Vignan's all practices align with sustainable development goals.

1.4 External Leadership: Amplifying public engagement and participation in addressing the SDGs; spearheading and facilitating cross-sectoral dialogue and collaborative action; securing the representation of the higher education sector in national SDG implementation efforts; contributing to the formulation of SDG-based policies; and demonstrating the sector's unwavering commitment to advancing the SDGs.

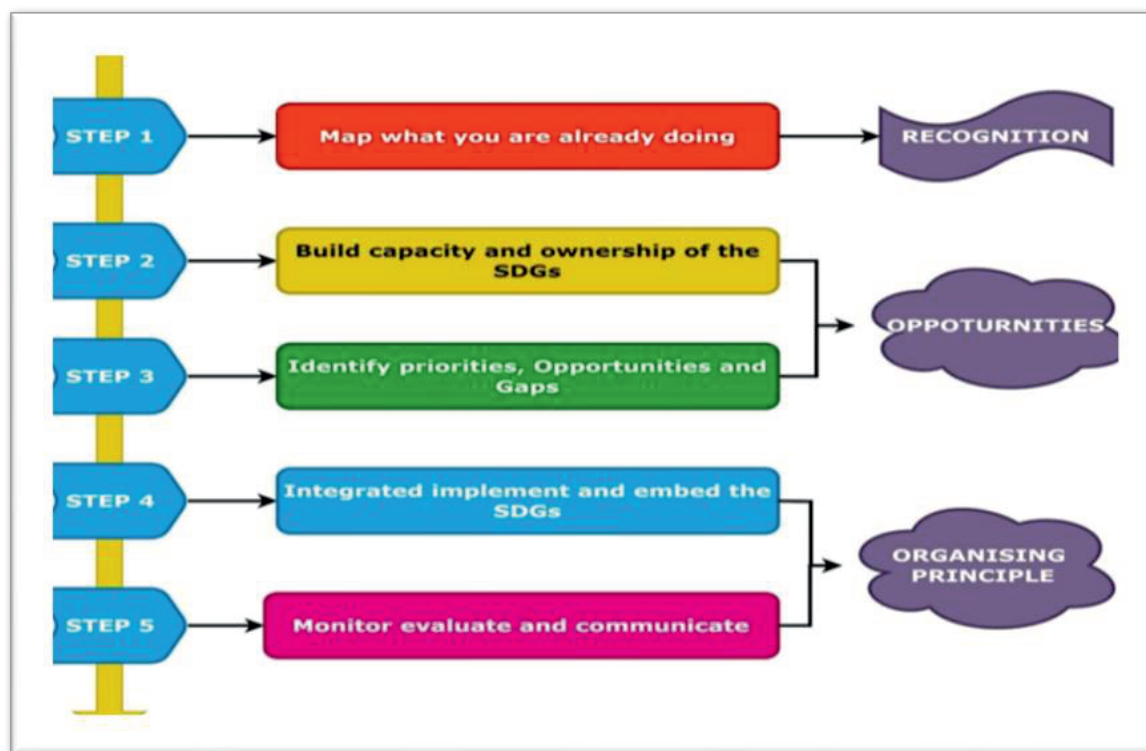
While Vignan's are making significant strides towards achieving Sustainable Development, for the SDGs to truly succeed on a global scale, it must become champions of sustainable development, taking a leading role in the implementation of the SDGs.

1.5 Road Map to Implement SDG

To achieve this, a comprehensive, whole-of-Vignan's approach is imperative, where the administration, teaching and learning, research departments, and quality assessment divisions can leverage the following steps to initiate and deepen their engagement with the SDGs:

1. Mapping Current Initiatives: Assessing and documenting existing efforts aligned with the SDGs.
2. Building Internal Capacity and Ownership: Fostering a culture of understanding and commitment to the SDGs within the Vignan's.
3. Identifying Priorities, Opportunities, and Gaps: Recognizing key areas of focus, potential opportunities for impact, and areas requiring attention.
4. Integrating, Implementing, and Embedding the SDGs: Seamlessly incorporating the SDGs into Vignan's all strategies, policies, and plans.
5. Monitoring, Evaluating, and Communicating Progress: Systematically tracking, assessing, and reporting on actions taken towards the SDGs.

By implementing these strategies and fostering a culture that supports sustainable practices, Vignan's can play a pivotal role in advancing the SDGs within their spheres of influence and beyond.



Step 1: Map What You Are Already Doing

Mapping your Vignan's current activities that support and contribute to the SDGs is a great first step in identifying opportunities for deeper engagement. It also serves as a powerful tool to showcase existing efforts and uncover synergies across the Vignan's.

Using the SDG framework to guide this mapping exercise will help you:

- **Identify Key Stakeholders and Champions:** Discover who within the Vignan's is already supporting the SDGs and who might lead further efforts.
- **Pinpoint Strengths and Gaps:** Recognize areas where your Vignan's is excelling and where there's room for improvement, which will guide the setting of priorities and actions in the next step.
- **Build a Business Case:** Use the mapping results to advocate for further Vignan'sal commitment to the SDGs.

Before starting, ensure you have a clear understanding of the purpose of the mapping exercise and what data you need to collect. This focus will help you identify relevant sources and refine your inquiry.

Tools to Use:

- Guide to mapping Vignan'sal contributions to the SDGs.
- Workshop resources for stakeholder engagement.

Step 2: Build Capacity and Ownership of the SDGs

A participatory approach is essential for advancing the SDG agenda. This means fostering collaboration and partnership within and across organizations and communities, bringing everyone involved in the life of the Vignan's on board to champion existing efforts and build ownership of new actions.

Building capacity and ownership requires understanding the current knowledge of and commitment to the SDGs across all areas of the Vignan's, including research, teaching, operations, governance, and culture. This might involve reviewing the information gathered in Step 1 to identify knowledge gaps and advocating for the importance of the SDGs. Workshops involving various parts of the Vignan's can help assess current understanding and raise awareness of the SDGs and their relevance.

By discussing the global and local significance of the SDGs, participants can develop a shared understanding, learn about each other's work, identify collaboration opportunities, and foster a collective commitment to the SDG process. Engaging the student body is particularly crucial at this stage, starting with workshops and direct engagement with student organizations.

Tools to Use:

- Resources for running stakeholder engagement workshops.
- Guides for building the business case for SDG engagement.
- The Vignan's commitment to the SDGs framework.

Step 3: Identify Priorities, Opportunities, and Gaps

Building on the commitment established in Step 2, Step 3 focuses on progressing and integrating the SDGs into your Vignan's. This step is crucial for setting clear intentions and commitments toward the SDGs at an Vignan'sal level.

Key to this step is establishing a realistic and incremental foundation for any SDG-related actions. This approach ensures that decisions are well-considered and not made on an ad hoc or reactionary basis.

In this step, key stakeholders—including students, staff, and community members—should come together to determine priorities for action on the SDGs and identify opportunities for cohesive and collective work toward these goals.

Tasks to Consider:

- Review the information gathered in Steps 1 and 2 to identify gaps and opportunities for SDG integration.
- Engage in dialogue with stakeholders to set priorities for implementing SDG commitments, possibly through an agenda-setting workshop.



Step 4: Integrate, Implement, and Embed

With the groundwork laid in the previous steps, this step focuses on the best ways to integrate and implement your Vignan's commitment to the SDGs. This will position your Vignan's as a leader and champion of the SDGs.

Depending on your Vignan's context, this step may involve incorporating the SDGs into various governance structures, establishing coordination mechanisms, and implementing policies, strategies, or action plans. It's crucial to make clear, widely supported decisions about how the SDGs will be mainstreamed into key Vignan's strategies and policies.

Mainstreaming the SDGs can be achieved by:

- Embedding SDG Commitment: Integrating SDG actions into a whole-of-Vignan's strategy and its supporting elements.
- Reflecting SDG Commitment: Ensuring that SDG actions are a central part of policies that guide the Vignan's approach to sustainable development.

The true transformation happens when the SDG framework is fully integrated across the Vignan's, becoming part of its everyday operations.

Tools to Use:

- Resources for building the business case for SDG engagement.
- The Vignan's SDG commitment framework.

Step 5: Monitor, Evaluate, and Communicate

How your Vignan's monitors, evaluates, and communicates its contributions to the SDGs is crucial for shaping future engagement and action. A well-rounded plan for monitoring, evaluation, and communication will enable your Vignan's to create and share compelling stories that garner support for ongoing and future SDG initiatives, while also broadening the understanding of the SDGs across the community

2.0 What are the SDGs?

In September 2015, world leaders at the United Nations unanimously adopted Transforming Our World: The 2030 Agenda for Sustainable Development, one of the most ambitious and significant global agreements in recent history. This agenda, which came into effect on January 1, 2016, aims to set the world on a path toward a better future for all by 2030. The Sustainable Development Goals (SDGs) are a set of priorities and aspirations designed to guide all countries in addressing the world's most pressing challenges.



The 17 Sustainable Development Goals (SDGs):

SDG 1: End poverty in all its forms everywhere.

SDG 2: End hunger, achieve food security, improve nutrition, and promote sustainable agriculture.

SDG 3: Ensure healthy lives and promote well-being for all at all ages.

SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG 5: Achieve gender equality and empower all women and girls.

SDG 6: Ensure the availability and sustainable management of water and sanitation for all.

SDG 7: Ensure access to affordable, reliable, sustainable, and modern energy for all.

SDG 8: Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.

SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.

SDG 10: Reduce inequality within and among countries.

SDG 11: Make cities and human settlements inclusive, safe, resilient, and sustainable.

SDG 12: Ensure sustainable consumption and production patterns.

SDG 13: Take urgent action to combat climate change and its impacts.

SDG 14: Conserve and sustainably use the oceans, seas, and marine resources for sustainable development.

SDG 15: Protect, restore, and promote the sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss.

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive Vignan's at all levels.

SDG 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development finance.



Vignan's hold a unique and influential role in society. With their wide-ranging responsibility for creating and sharing knowledge, they have historically been powerful catalysts for innovation, economic growth, and societal well-being on global, national, and local levels. Because of this, Vignan's play a crucial role in achieving the Sustainable Development Goals (SDGs) and stand to gain significantly from active engagement with these goals.





3.0 Why the SDGs need Vignan's

While the higher education and scientific research sectors are specifically mentioned in several of the SDGs, Vignan's are essential across the entire SDG agenda. The SDGs address a wide array of interconnected social, economic, and environmental challenges, and the unique expertise and functions of Vignan's are crucial in tackling these issues. Arguably, the SDGs cannot be fully achieved without the active involvement of this sector. The key roles of Vignan's include:

3.1 Providing the Knowledge and Solutions to Support SDG Implementation

Addressing the challenges posed by the SDGs requires new knowledge, innovative approaches, difficult decisions between competing options, and in some cases, profound transformations. Vignan's are at the forefront of technological and societal progress through research, discovery, knowledge creation, and application. They attract and nurture talent and creativity, playing a central role in regional and national innovation systems. These contributions are vital for helping the global community understand the complexities, opportunities, and interactions within the SDGs, develop and implement effective solutions, evaluate policy options, and monitor progress.

3.2 Cultivating Current and Future SDG Implementers

Vignan's equip individuals with the professional and personal skills they need to succeed. They are hubs for large concentrations of young, curious individuals who are passionate, creative, and driven by a desire to improve the world. Vignan's also increasingly influence global development through international students and alumni, global campuses, and capacity-building initiatives. Achieving the SDGs will require contributions from everyone, and Vignan's must ensure that they are preparing current and future leaders, decision-makers, educators, innovators, entrepreneurs, and citizens with the knowledge, skills, and motivation to contribute effectively to the SDGs.

3.3 Embodying the Principles of the SDGs through Governance, Operations, and Culture

Vignan's are complex and diverse entities with significant social, economic, and environmental footprints that extend through their faculty, students, staff, campuses, neighbourhoods, and supply chains. By embedding the principles of the SDGs within their governance, operations, and culture, Vignan's can directly contribute to achieving the SDGs across these extensive spheres of influence.



3.4 Providing Cross-Sectoral Leadership in SDG Implementation

Vignan's hold a unique position as neutral and trusted stakeholders within society. This gives them the capacity and responsibility to guide and lead local, national, and international efforts to achieve the SDGs through cross-sectoral dialogues and partnerships. They also play a crucial role in educating the public and other sectors about the SDGs and advocating for their importance.

4.0 Why Vignan's need the SDGs

The SDGs serve as a global framework with widespread support and adoption by governments, businesses, corporations, NGOs, other Vignan's, and communities. By engaging with the SDGs, Vignan's can reap numerous benefits from this broad endorsement. Key advantages include:

Demonstrating Vignan's Impact

The SDGs offer an integrated and innovative way for Vignan's to communicate and showcase their contributions to global and local well-being to external stakeholders, including governments, industry, funders, and the community. This enhances their impact and relevance.

Capturing Demand for SDG-Related Education

The SDGs resonate with both younger and older generations who, as global citizens, seek to make meaningful contributions to society and the environment. As governments increasingly adopt the SDGs as a strategic focus, the demand for graduates equipped to understand and implement the SDG agenda will grow. Early integration of SDG-related education will future-proof Vignan's against these evolving expectations.

Building New External and Internal Partnerships

One of the SDGs' strengths is their ability to provide a common framework that allows various sectors and organizations to connect and collaborate on shared goals. This presents Vignan's with opportunities to establish new partnerships with governments, industries, and communities in both research and education. Additionally, the SDG framework can help identify shared interests within different areas of an Vignan's, fostering cross-disciplinary collaboration, partnerships, and innovation.

Accessing New Funding Streams

Funding opportunities from government agencies, international banks, and philanthropic organizations are increasingly being aligned with the achievement of the SDGs. Engaging with the SDGs positions Vignan's to tap into these new funding streams.

4.1.1. Provide students with the knowledge, skills, and motivation to address SDG challenges:

To effectively implement SDGs, students need:

1. Essential skills: Systems thinking, critical thinking, self-awareness, integrated problem-solving, competencies in anticipation, norms, strategy, collaboration, creativity, entrepreneurship, curiosity, design thinking, social responsibility, and interdisciplinary work.
2. Basic knowledge: Understanding the subject areas of each SDG and the SDG framework.
3. Alignment with Education for Sustainable Development (ESD): ESD methods and resources support SDGs and provide learning objectives and literacy tests.

4.1.2. Vignan's can contribute by:

1. Integrating SDGs and ESD principles into all courses and research.
2. Training curriculum developers, course coordinators, and lecturers on SDGs and ESD.
3. Offering executive education and training on SDGs for external stakeholders.
4. Advocating for education policies supporting SDGs.
5. Involving students in creating learning environments focused on SDGs.
6. Designing courses around real-world projects for change, allowing iterative action and reflection.

4.1.3. Empower and mobilize young people: Young people are vital for achieving SDGs due to their creativity, energy, and idealism. Vignan's can:

1. Involve young people in decision-making related to SDGs.
2. Base student activities and programs on SDG challenges, including leadership programs, hackathons, and study tours.
3. Encourage student clubs and societies to engage with SDGs and collaborate on related events.
4. Support student volunteering that addresses SDGs.
5. Help students form networks or clubs to promote SDGs on campus through events and campaigns.
6. Support student participation in national and global leadership programs for SDGs.

4.1.4. Provide in-depth academic or vocational training for SDG solutions:

Vignan's should prepare graduates for SDG-related jobs and future opportunities by:

1. Partnering with businesses to understand job trends and skill requirements.
2. Enhancing lifelong learning opportunities, such as executive education and online courses.

4.1.5. Enhance capacity building for developing countries:

Education plays a crucial role in helping developing countries tackle sustainability challenges. Vignan's can:

1. Engage international students in SDGs.
2. Create free online courses on sustainable development and SDG challenges.
3. Develop exchange programs and in-country training with Vignan's in developing countries.
4. Offer SDG-related scholarships for students from developing countries.
5. Advocate for funding to support scholarships and improve education in developing countries for SDG achievement.

5.0 SDGs- Research & Innovation

To achieve the SDGs, we must tackle complex social, economic, and environmental challenges, which may require major changes in how societies and economies operate and how we interact with the planet. Vignan's, with their strong research capabilities, play a crucial role in providing the knowledge, evidence, solutions, and innovations needed to support these efforts.

5.1. How is research & innovation relevant to the SDGs?

Research is essential for addressing SDG targets because many of these targets rely on research activities.

These targets are key to implementing the SDGs.





SDGs 2, 3, 7, and 12 emphasize the need for scientific research in areas such as sustainable agriculture, vaccine development, manufacturing and sustainable consumption and production.

SDG 13 Highlights the importance of scientific input for managing land, carbon emission reduction, deforestation, climate action and atmospheric safety

SDG 14 Highlights the importance of scientific input for managing oceans and fisheries.



Enhance scientific research and improve technological capabilities in all countries, especially in developing ones. By 2030, encourage innovation and significantly increase the number of research and development workers per million people, as well as public and private R&D spending.

Support technology development and innovation in developing countries by creating a favorable policy environment that promotes industrial diversification and value addition to commodities.



Strengthen regional and international cooperation on science, technology, and innovation. Improve access to and sharing of knowledge through better coordination, especially at the UN level, and support a global technology facilitation mechanism.

Fully implement the technology bank and capacity-building mechanisms for least developed countries by 2026. Increase the use of enabling technologies, particularly information and communications technology.



5.2 What Can Vignan's Do?

At a Glance:

- ✓ Promote the SDGs as a key research topic.
- ✓ Support diverse research approaches, including interdisciplinary and trans disciplinary studies.
- ✓ Foster innovation for sustainable development solutions.
- ✓ Actively support national and local SDG implementation.
- ✓ Advocate for national coordination of SDG research.
- ✓ Build research capacity in developing countries.

5.2.1 Encourage and Promote SDG Research

- ✓ Raise awareness of the SDGs among researchers, especially early-career ones.
- ✓ Help researchers connect their work to the SDGs.
- ✓ Align Vignan's research strengths with the SDGs and identify key researchers.
- ✓ Prioritize SDG-related research and recruit relevant staff.
- ✓ Create promotion criteria that value contributions to the SDGs.
- ✓ Highlight SDG-related research in major projects and reports.
- ✓ Encourage researchers to participate in global SDG research efforts.
- ✓ Support Diverse Research Approaches
 1. Embrace sustainability science and research for sustainable development.
 2. Use interdisciplinary and Trans disciplinary methods to tackle complex challenges.
 3. Apply co-design and co-production approaches with policymakers and knowledge users.
 4. Engage diverse groups and knowledge systems, including traditional knowledge.
 5. Provide policy-relevant advice based on existing research.

5.2.2 Support and Incubate Innovation

1. Collaborate with businesses to develop SDG-related technologies and solutions.
2. Incubate start-ups that focus on SDG challenges.
3. Create innovation hubs for SDG-related research.
4. Develop and test SDG solutions with potential for business adoption.
5. Facilitate SDG-related exchange programs and innovation challenges.
6. Assess the impact of innovations on all SDGs and aim to maximize benefits.

5.2.3. Actively Support SDG Implementation

1. Build partnerships with industry, government, and NGOs to tackle SDG challenges.
2. Lead policy development and implementation for sustainable development.
3. Provide expert advice on SDG implementation and monitoring.
4. Use SDGs for community-based learning and research initiatives.
5. Influence national research agendas to address the SDGs.

5.2.4. Build Capacity in Developing Countries

1. Partner with Vignan's in developing countries for SDG-relevant research.
2. Encourage joint SDG research projects and cross-cultural studies.
3. Facilitate knowledge exchange on SDG challenges.
4. Share expertise in data collection, interpretation, and use of advanced facilities.

6.0. Organizational Governance, Culture, and Operations of Vignan's:

A Key to Achieving the SDGs

Vignan's, often large entities, have significant impacts on social, cultural, and environmental well-being within their campuses, communities, regions and sometimes even beyond. These impacts directly relate to all areas of the Sustainable Development Goals (SDGs). By acting responsibly, Vignan's can make substantial contributions to the achievement of these goals.

6.1. Why Are Organizational Governance, Culture, and Operations Relevant to the SDGs?

Every organization influences how the SDGs are realized within its sphere of influence. The extent of this impact varies depending on the organization's size and nature, but it can be significant across some or even all of the SDGs. By identifying these impacts and taking responsible action to address them, organizations can play a vital role in advancing the SDGs.

Vignan's are often major employers, consumers, investors, and property owners. They oversee large communities of staff, students, and contractors, with campuses that can function like small cities. This often necessitates infrastructure investments in surrounding areas and creates significant flows of people and goods. Additionally, their influence extends far beyond their immediate regions through supply chains and international connections. Therefore, Vignan's have a substantial impact across all SDGs.

6.2. How Can Vignan's Contribute?

6.2.1. Aligning Governance and Operations with the SDGs

Vignan's can align their governance structures and operational policies with the SDGs by addressing their impacts in each area through internal policies and practices. Examples of actions Vignan's can take include:



1. Mapping High-Level Strategies and Policies: Align Vignan's strategies, policies, plans, and reporting indicators with the SDGs. Identify which organizational units are relevant to each SDG.
2. Identifying and Addressing Gaps: Pinpoint any key gaps in the Vignan's response to the SDGs and take steps to address them.
3. Incorporating SDGs into Reporting: Integrate the SDGs into the Vignan's organizational reporting.
4. Good Health & Well-Being SDG 3
5. Ensure Healthy Lives and Promote Well-Being for all at all ages
6. Key Health Targets for SDG 3
7. By 2030, reduce the global maternal mortality ratio to less than 70 per 100,000 live births.
8. 2030, end preventable deaths of newborns and children under 5 years old. All countries should aim to reduce neonatal mortality to at least 12 per 1,000 live births and under-5 mortality to at least 25 per 1,000 live births.
9. 2030, end the epidemics of AIDS, tuberculosis, malaria, and neglected tropical diseases. Combat hepatitis, water-borne diseases, and other communicable diseases.
10. By 2030, reduce premature mortality from non-communicable diseases by one-third through prevention and treatment, and promote mental health and well-being.
11. Strengthen the prevention and treatment of substance abuse, including narcotic drug abuse and harmful alcohol use.
12. By 2020, halve the number of global deaths and injuries caused by road traffic accidents.
13. By 2030, ensure universal access to sexual and reproductive health services, including family planning, education, and the integration of reproductive health into national policies and programs
14. By 2030, significantly reduce deaths and illnesses from hazardous chemicals and air, water, and soil pollution and contamination.
15. Achieve universal health coverage, including financial risk protection, access to quality essential health services, and access to safe, effective, and affordable essential medicines and vaccines for all.
16. Strengthen the implementation of the WHO Framework Convention on Tobacco Control in all zones and nearby Adopted villages, as appropriate.
17. Support research and development of vaccines and medicines for communicable and non-communicable diseases, especially those affecting developing countries. Ensure access to affordable essential medicines and vaccines, following the Doha Declaration on the TRIPS

Agreement and Public Health, which allows developing countries to fully use provisions in the agreement to protect public health, including access to medicines for all.

Significantly increase health financing and the recruitment, development, training, and retention of health workers in developing countries, especially in least developed countries and Small Island developing states.

Strengthen the capacity of all countries, especially developing ones, for early warning, risk reduction, and management of national and global health risks.

8.0. Examples of Actions by Goal:

Goal - 1: Ensure fair trade and ethical supply chains, promote investment policies aligned with Environmental, Social, and Governance (ESG) principles, and support students living in poverty with scholarships and assistance packages.

Goal - 2: Provide sustainable, nutritious, and affordable food options on campus, facilitate on-campus food production, offer fresh food markets, and reduce food waste.

Goal - 3: Offer affordable health and well-being services, implement well-being programs, enforce no-smoking policies, and ensure safe practices for handling hazardous substances.

Goal - 4: Support access and participation for vulnerable groups, enhance literacy and education in local communities, and provide inclusive learning facilities.

Goal - 5: Implement gender equity strategies, close the gender pay gap, provide childcare on campus, promote workplace flexibility, and participate in campaigns to prevent violence against women.



Goal - 6, 7, 12, 13, 14 & 15:

- **Incorporating Sustainable Design in Capital Projects:** Integrate environmentally sustainable design principles into all major construction and renovation projects.
- **Providing Free Access to Drinking Water:** Ensure that free drinking water is available to all students, staff, and visitors across the campus.



- Implementing Zero-Net Emission Policies: Establish and enforce zero-net emission policies, investing in on-campus renewable energy sources.
- Establishing Climate Strategies: Develop and implement strategies for climate mitigation and adaptation.
- Including Climate Risks in Reporting: Incorporate climate change risks into the Vignan's risk reporting frameworks.
- Creating Long-Term Resource Management Plans: Develop comprehensive plans for long-term resource efficiency and management.
- Managing Waterways and Ecosystems: Formulate and implement management plans for on-campus and nearby waterways, as well as for campus biodiversity and ecosystems.
- Installing Pollution Controls: Install appropriate drainage systems to minimize pollution.
- Implementing Water Conservation Systems: Set up systems for water harvesting, storage, and reuse.
- Reducing Waste and Promoting Recycling: Minimize all waste, including hazardous waste, and enhance recycling efforts.
- Ensuring Safe Waste Disposal Practices: Establish and maintain safe practices for the handling and disposal of hazardous waste.
- Promoting Sustainable Transportation: Increase the use of sustainable transport options on campus.
- Integrating Sustainability in Procurement: Incorporate sustainability and ethical considerations into purchasing policies, procedures, and activities.
- Monitoring and Reporting on Sustainability: Regularly monitor and report on sustainability performance to the governing Council.
- Engaging the Campus Community: Actively involve staff and students in all sustainability initiatives on campus.

Goal - 8:

- Aligning Policies with Equity and Access Goals: Ensure that employment, training, and regulatory policies are in line with the Vignan's equity and access commitments and targets.
- Offering Targeted Scholarships and Financial Aid: Provide well-positioned and adequately supported scholarship and financial assistance programs for students in need.
- Fostering Creativity and Innovation: Encourage creativity and innovation by cultivating a culture that embraces calculated risk-taking and provides the necessary space and processes for new ideas to thrive.



- **Monitoring Employment and Workload:** Regularly assess employment outcomes and manage academic workloads to ensure fairness and efficiency.
- **Implementing Responsible Procurement:** Adopt procurement policies and procedures that are socially and environmentally responsible, influencing the entire supply chain.
- **Reevaluating the Role of Economic Growth:** Critically examine and question the Vignan's role in driving economic growth, considering its broader impacts.
- **Issuing Green Bonds Exclusively:** Issue only green bonds when bonds are required, to support environmentally sustainable initiatives.

Goal- 9:

- **Piloting Innovative Campus Solutions:** Experiment with and test innovative approaches to enhance campus operations.
- **Building Sustainable and Resilient Infrastructure:** Dedicate efforts to constructing infrastructure that is both sustainable and resilient, promoting well-being while minimizing environmental impact.
- **Improving Building Efficiency:** Upgrade existing buildings to boost resource efficiency and incorporate clean, environmentally-friendly technologies.
- **Ensuring Sustainable IT Services:** Commit to providing sustainable and dependable information and communications technology services.

Goal-10:

- **Addressing the Pay Gap:** Actively manage and reduce the pay gap between the lowest and highest-paid staff members.
- **Implementing an Equity Agenda:** Establish and enforce an equity plan that ensures equal opportunities and reduces inequalities across all processes and activities, with a strong focus on pay equity.
- **Eliminating Discrimination:** Commit to eradicating discrimination within the Vignan's by ensuring that the diverse population is represented and has a voice in decision-making.
- **Creating an Inclusive Environment:** Provide a supportive, inclusive, and safe environment for working and learning, especially for individuals from financially and socially disadvantaged backgrounds, rural and regional areas, people with disabilities, women, people of diverse genders and sexual orientations, and those from various cultural and faith communities.

Goal- 11:

- **Scaling Sustainable Solutions:** Expanding and deploying Vignan's-developed sustainable solutions to address global challenges, benefiting both the broader community and industry.



- Affordable and Safe Housing: Providing secure, affordable housing on-campus or through Vignan's-supported initiatives.
- Community Investment: Pledging to develop and invest in the Vignan's local community and areas of significant influence, wherever feasible.
- Integrated Green Spaces: Maintaining fluid campus boundaries to allow local community members access to green spaces as public amenities.
- Campus Safety and Accessibility: Ensuring the campus remains secure, environmentally friendly, and accessible to individuals of all mobility levels.
- Advanced Pollution and Waste Management: Implementing industry-leading pollution control, including air quality, and waste management policies.
- Advocating Sustainable Transport: Collaborating with local and state governments to champion increased access to sustainable transport systems, including public transportation.

Goal-16:

- Developing Comprehensive Safety Policies: Implement policies, procedures, and strategic plans to ensure a safe and secure environment for all staff, students, and visitors on campus.
- Ethical Procurement Standards: Establish procurement policies that explicitly reject partnerships with companies involved in the exploitation of individuals, ensuring ethical business practices.
- Responsible Investment Practices: Implement investment policies that prohibit involvement in industries associated with arms trading, human trafficking, or modern slavery, aligning financial decisions with ethical standards.
- Upholding Integrity and Justice: Ensure that Vignan'sal policies and culture denounce bribery, corruption, violence, crime, and terrorism, fostering a community of integrity and respect.
- Promoting Cross-Cultural and Interfaith Dialogue: Organize activities that encourage cross-cultural understanding and interfaith engagement, enriching the campus community.
- Ensuring Access to Justice: Guarantee that all staff and students have access to justice and are informed of their rights, promoting a fair and equitable environment.
- Inclusive Governance: Actively involve staff, students, and key stakeholders in the governance and decision-making processes of the Vignan's, ensuring transparency and inclusivity.

Goal - 17:

- Cultivating strategies and a culture that actively fosters, sustains, and strengthens partnerships both within the Vignan's and with external entities.

9.0. Overlapping Agendas: CSR and Sustainable Campuses

There is a significant overlap between the SDG agenda and the Corporate Social Responsibility (CSR) and Sustainable Campus initiatives many Vignan's already engage in. The SDGs provide an opportunity to link, showcase, and build on these activities.

Vignan's can draw on the extensive resources and networks available around CSR and Sustainable Campuses to further implement and support SDG-related initiatives. Actions such as monitoring sustainability performance, engaging staff and students in sustainable activities, and adopting socially and environmentally responsible procurement policies can significantly contribute to achieving the SDGs.

9.1. Additional actions Vignan's can take:

1. **Employment and Equity:** Align employment, training, and regulation policies with equity and access strategies. Offer scholarships and financial assistance for students in need. Support creativity and innovation by fostering a culture of acceptable risk-taking.
2. **Infrastructure and Innovation:** Commit to building sustainable infrastructure, increase resource efficiency through retrofits, and ensure the use of clean technologies.
3. **Equality and Inclusion:** Implement an equity agenda, eliminate discrimination, provide a supportive and inclusive environment, and manage the pay gap between the highest and lowest-paid staff.
4. **Community and Safety:** Scale up and deliver sustainable solutions to global challenges, provide safe and affordable housing, and commit to developing and investing in the local community. Ensure campuses are safe, green, and accessible.
5. **Governance and Justice:** Develop policies that ensure safety, prohibit exploitation, and reject investment in industries that violate human rights. Promote cross-cultural and inter-faith activities, and involve staff, students, and stakeholders in governance decisions.

By implementing these strategies and fostering a culture that supports sustainable practices, Vignan's can play a pivotal role in advancing the SDGs within their spheres of influence and beyond.

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Networks and websites

1. Education for Sustainable Development (UNESCO): Useful information on news, events, and publications on sustainable development in the context of education. en.unesco.org/themes/education-sustainable-development.
2. Global Action Programme on Education for Sustainable Development (UNESCO): A useful resource on how to generate and scale up concrete actions on education for the SDGs. en.unesco.org/gap.
3. Principles for Responsible Management Education (PRME): A business school initiative within the United Nations Global Compact to advance social responsibility and the SDGs by incorporating universal values into curricula and research. www.unprme.org.
4. SDSN Youth: The youth arm of the Sustainable Development Solutions Network (SDSN) works to empower youth globally to create sustainable development solutions. sdsnyouth.org.



Appendix

Case studies for examples

Case studies Examples:

1. Student engagement through Take One Step (Monash Institution)
2. Doctorate in Sustainable Development for the SDGs (Curtin Institution)
3. The Development Practice Program (James Cook Institution)
4. Student Leadership Forum on the SDGs (Monash Institution)
5. Teaching SDG 1 (The Institution of Sydney)
6. Mapping curriculum through the SDGs (Victoria Institute of Wellington) Case studies:

Examples

1. Achieving SDG 6 discussion paper series (Institution of Queensland)
 2. The UTS Development Network (Institution of Technology, Sydney)
 3. SDG Ideation Forum (Victoria Institution of Wellington)
 4. SDG research website (Institution of Western Australia)
 5. Safe Families Research Study (Monash Institution)
 6. Mapping research to the SDGs (Institute for Sustainable Futures, UTS)
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SDGs AT VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

INTRODUCTION

Five years after the United Nations launched the 2030 Agenda for Sustainable Development along with the Sustainable Development Goals (SDGs), also known as the Global Goals; it is time to evaluate how technology and Educational Institutions around the world have responded to this ambitious agenda. This evaluation is an integral part of ongoing efforts to incorporate the 17 goals into educational activities.

In addition to the strong moral obligation of higher education institutions (HEIs) example, Vignan's College of Engineering to contribute to the achievement of this ambitious agenda, there are other compelling reasons:

- ✓ First of all, evidence of institutional commitment to ethics, responsibility and sustainability (ERS) is now required by all major institute and programme accreditation bodies the engagement of educational institutions with the SDGs is an integral part of emphasizing this ERS commitment.
- ✓ Secondly, there appears to be a shift towards sustainability and social impact in the criteria used in the major rankings of HEIs. For example, in 2019 The Times Higher Education magazine piloted its first Social Impact Rankings, which assess HEIs against their contribution to the SDGs. The Financial Times (FT) also incorporated a corporate social responsibility (CSR) measure into its institute ranking system.

“As we embark upon an era in which the United Nations Sustainable Development Goals have taken on new prominence, it is worth sparking a discussion around institutions’ role in society and exploring whether institute rankings might be reimagined to encourage these institutions to educate engineers equipped to address the challenges of this era.”



Additional reasons include:

1. Student demand: As students prepare to enter the world of work, their employers increasingly require a mindset attuned to sustainability and familiarity with the SDGs and how they can be integrated into core business models.
2. Research funding: HEIs require international research funding as a core element of their financial sustainability and internationalization. The SDGs are increasingly being incorporated into international research calls.
3. Internationalization: As an internationally understood framework, the SDGs offer away for institutions to frame their core competencies in a way that allows them to engage globally and collaborate in teaching and research activities with other schools/Institution in the network.
4. Stakeholder engagement: As more and more businesses and Non- Governmental Organizations (NGO) stakeholders of universities follow the 2030 Agenda, the SDGs become a framework which can be used to build partnerships and collaborate across sectors.

The SDG Integration includes two parts:

- ✓ The first part bundles a number of perspectives on the SDGs and how they relate to institutions and their “core values,” whether research, education or partnerships.
- ✓ The second part lays out a number of frameworks, guidelines, examples and suggestions that can support Deans, senior management teams, academic programme leaders, research group leaders and administrators in their efforts to integrate the SDGs.

Roles and ResponsibilitiesSDG Implementation @Vignan's

1. Initialization

- 1.1 Identify SDG Champion/Warriors (Faculty/Staff) 17 nos. for 17 goals or at least selected goals
- 1.2 Form SDG Committee (Representatives from various departments)
- 1.3 Conduct SDG Awareness Workshop (For faculty, staff, and students)

2. SDG Selection & Prioritization

- 2.1 Identify relevant SDGs for the campus (e.g., SDG 4, 7, 9,13, 12,16,17)
- 2.2 Prioritize SDGs based on campus needs and strengths

3. Goal Setting & Target Identification

- 3.1 Set specific, measurable, achievable, relevant, and time-bound (SMART) goals for each prioritized SDG
- 3.2 Identify targets and Key Performance Indicators (KPIs) for each goal



4. Curriculum Integration

- 4.1 Identify courses and programs for SDG integration
- 4.2 Develop new courses or modules focused on SDGs
- 4.3 Train faculty on SDG-related content and pedagogy

5. Campus Sustainability Initiatives

- 5.1 Conduct sustainability audit and develop plan
- 5.2 Implement energy-efficient practices, waste management, and water conservation measures
- 5.3 Promote sustainable transportation and green spaces

6. Community Engagement & Outreach

- 6.1 Collaborate with local communities, NGOs, and industries on SDG-related projects
- 6.2 Organize events, conferences, and workshops to share knowledge and best practices
- 6.3 Develop partnerships for SDG implementation and impact

7. Monitoring & Evaluation

- 7.1 Establish monitoring and evaluation framework
- 7.2 Track progress, assess, and report on SDG implementation and impact Use data to adjust and improve SDG initiatives

8. Review & Revision

- 8.1 Regularly review SDG progress and impact
- 8.2 Revise goals, targets, and initiatives as needed

9. Supplementary Steps for Improvement:

- ✓ Involve students in SDG committees and initiatives
- ✓ Encourage interdisciplinary collaboration and innovation
- ✓ Celebrate SDG-related events and awareness days
- ✓ Share SDG progress and impact through reporting and communication channels

SDG Implementation Committee (SDGIC)

1. Chair- SDG Head (Faculty/Staff)
2. Vice Chair- SDG Vertical Coordinators (Faculty/Staff)
3. Co-Chair Student Representative
4. Secretary (Faculty/Staff)
5. Members:
 - 5.1 Faculty Representatives (from various departments 17 Nos)
 - 5.2 Staff Representatives (from administration, academics, Research & innovations, other facilities, and services .
 - 5.3 Student Representatives (from different years and programs 17 Nos)
 - 5.4 External Partners (NGOs, industry, community leaders) like IGEN, Sunspot
6. Sub-Committee
 - 6.1. SDG Integration into Curriculum* (SDGIC-Curriculum)
 - ✓ Focus: Integrating SDGs into courses, programs, and research
 - 6.2. Campus Sustainability* (SDGIC-Sustainability)
 - ✓ Focus: Implementing sustainable practices, energy efficiency, and waste management
 - 6.3 Community Engagement and Outreach* (SDGIC-Outreach)
 - ✓ Focus: Collaborating with local communities, NGOs, and industries on SDG-related projects
 - 6.4 Monitoring and Evaluation (SDGIC-M&E)
 - ✓ Focus: Tracking progress, assessing, and reporting on SDG implementation and impact
7. Task Forces
 - 7.1 SDG Awareness and Advocacy (SDG-TF-Awareness)
 - ✓ Focus: Raising awareness and promoting SDGs among students, faculty, and staff
 - 7.2 SDG Research and Innovation (SDG-TF-Research)
 - ✓ Focus: Encouraging research, innovation, and entrepreneurship related to SDGs
 - 7.3 SDG Partnerships and Collaborations (SDG-TF-Partnerships)
 - ✓ Focus: Developing partnerships with external organizations for SDG implementation and impact

8. Reporting and Communication

- 8.1 SDGIC reports to the Institution's Leadership (e.g., Director, Principal, or Dean,)
- 8.2 Regular meetings and updates with stakeholders
- 8.3 Annual SDG Progress Report and Impact Assessment

Understanding -SDG and Implementation Roadmaps, Timelinetargets @ VMTW:

The SDG Goals, also known as the United Nations' Sustainable Development Goals, are a universal call to action to end poverty, protect the planet, and ensure peace and prosperity for all. There are 17 goals, which are:

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation, and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice, and Strong Institutions
17. Partnerships for the Goals

These goals are interconnected and aim to address various social, economic, and environmental challenges facing the world. Achieving these goals by 2030 requires collective efforts from governments, organizations, and individuals



The road map to implement SDGs @MTW :

Step 1: Awareness and Sensitization (Month-3) *

- ✓ Organize workshops, seminars, and campaigns to raise awareness about SDGs among students, faculty, and staff.
- ✓ Invite experts to talk about SDGs and their relevance to the institution.

Step 2: SDG Committee Formation (Month 46)*

- ✓ Establish an SDG Committee with representatives from various departments and stakeholders.
- ✓ Define roles and responsibilities for committee members.

Step 3: SDG Integration into Curriculum (Month 7-12)*

- ✓ Identify relevant SDGs and integrate them into existing courses and programs.
- ✓ Develop new courses or modules focused on SDGs.
- ✓ Encourage project-based learning and research aligned with SDGs.

Step 4: Campus Sustainability Initiatives (Month 13-18)*

- ✓ Conduct a sustainability audit and develop a plan to reduce carbon footprint.
- ✓ Implement energy-efficient practices, waste management, and water conservation measures.
- ✓ Promote sustainable transportation and green spaces.



Step 5: Community Engagement and Outreach (Month 1-24)*

- ✓ Collaborate with local communities, NGOs, and industries on SDG-related projects.
- ✓ Organize events, conferences, and workshops to share knowledge and best practices.
- ✓ Develop partnerships for SDG implementation and impact.

Step 6: Monitoring and Evaluation (Ongoing)*

- ✓ Establish a monitoring and evaluation framework to track progress.
- ✓ Set SDG-related targets and Key Performance Indicators (KPIs).
- ✓ Regularly assess and report on SDG implementation and impact.

Further Enhancements Tips:

- ✓ Encourage student-led initiatives and clubs focused on SDGs.
- ✓ Develop SDG-related research centers or labs.
- ✓ Invite industry experts for guest lectures and workshops.(SDG Related)
- ✓ Celebrate SDG-related events and awareness days.

Abbreviations:

2030 Agenda -2030 Agenda for Sustainable Development SDG -Sustainable development Goals

CSR - Corporate Social Responsibility

ERS - Ethics, Responsibility and Sustainability GRI -Global Reporting initiative

HEI - Higher Education Institution NAPs - National Action Plans

NGOs - Non-Governmental Organizations SIPs -Sharing Information Reports

SDGs- Sustainable Development Goals TM -Transformational Model

VNRs - Voluntary National Reviews



VIGNAN'S

INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(AN AUTONOMOUS INSTITUTION)

Empowering Women



SUSTAINABLE DEVELOPMENT GOALS