



Policy Handbook on Sustainable Development Goals (SDG's)

THE BEST PRACTICE

OF

NATIONAL ENGINEERING COLLEGE



Institutional SDG Policy (Version 1.0), 2025-26



1. Institutional Commitment to Sustainable Development Goals (SDGs)

National Engineering College is committed to fostering sustainable development through excellence in education, research, innovation, environmental stewardship, and community engagement. The institution recognizes the United Nations Sustainable Development Goals (SDGs) as a global framework for addressing social, economic, and environmental challenges and integrates these principles into its academic and administrative practices.

The College strives to develop socially responsible graduates who possess the knowledge, skills, values, and ethical commitment necessary to contribute to sustainable development at local, national, and global levels. Sustainability is embedded in institutional policies, curriculum design, research activities, innovation, campus operations, extension programmes, and stakeholder engagement.

The institution is committed to:

- Integrating SDG principles into teaching, learning, research, innovation, and extension activities.
- Promoting environmentally sustainable campus practices through resource conservation, renewable energy adoption, waste management, biodiversity conservation, and water stewardship.
- Encouraging multidisciplinary research and innovation that address societal and environmental challenges.
- Strengthening entrepreneurship, incubation, and industry collaboration to support sustainable economic development.
- Promoting gender equality, inclusiveness, ethics, and equal opportunities for all stakeholders.
- Enhancing community engagement through outreach programmes focusing on education, healthcare, environmental conservation, digital literacy, rural development, and social empowerment.
- Establishing measurable performance indicators to monitor, evaluate, and continuously improve institutional contributions towards the SDGs.
- Collaborating with government agencies, industries, educational institutions, NGOs, alumni, and local communities to maximize the impact of sustainability initiatives.

The SDG Cell, under the guidance of the Principal and in coordination with IQAC and various institutional committees, shall oversee the planning, implementation, documentation, monitoring, and continuous improvement of SDG-related initiatives. The institution shall review its sustainability performance annually and update its strategies in alignment with national priorities, regulatory requirements, and the evolving Sustainable Development Goals framework.

Through this commitment, National Engineering College reaffirms its vision of creating socially responsible engineers and responsible citizens who contribute meaningfully to sustainable and inclusive development.



2. Vision, Mission and Objectives

2.1 Vision

Creating socially responsible engineers through education, innovation, sustainability, and community engagement aligned with the United Nations Sustainable Development Goals (SDG's).

2.2 Mission

National Engineering College is committed to integrating sustainability into all aspects of institutional functioning by:

- To promote awareness and understanding of sustainability among students, faculty, staff, and the wider community.
- To integrate sustainable development principles into academic curricula, research, and extension activities.
- To encourage innovative solutions that address environmental, social, and economic challenges.
- To develop and maintain a green and energy-efficient campus that conserves natural resources.
- To collaborate with industries, government agencies, and communities in advancing sustainable development initiatives.

2.3 Objectives

The objectives of this SDG Policy are to:

1. Integrate the principles of the Sustainable Development Goals into academic programmes, research, innovation, extension activities, and institutional governance.
2. Promote environmental sustainability through energy conservation, water conservation, renewable energy adoption, waste management, and biodiversity protection.
3. Foster inclusive education by ensuring equitable opportunities, scholarships, skill development, and student well-being.
4. Encourage innovation, entrepreneurship, incubation, patents, and industry collaboration for sustainable economic development.
5. Strengthen social responsibility through community outreach, health camps, awareness programmes, women empowerment initiatives, digital literacy, and rural development activities.
6. Establish an effective institutional framework for planning, implementing, monitoring, documenting, and continuously improving SDG-related initiatives.
7. Measure institutional contributions using appropriate Key Performance Indicators (KPIs) and promote evidence-based decision-making for continual improvement.



8. Enhance awareness and participation of students, faculty, staff, alumni, industries, and community stakeholders in achieving the Sustainable Development Goals.
9. Support national development priorities and contribute towards achieving the United Nations Sustainable Development Goals through sustainable institutional practices.

3. SDG Governance Structure

3.1 Governance Framework

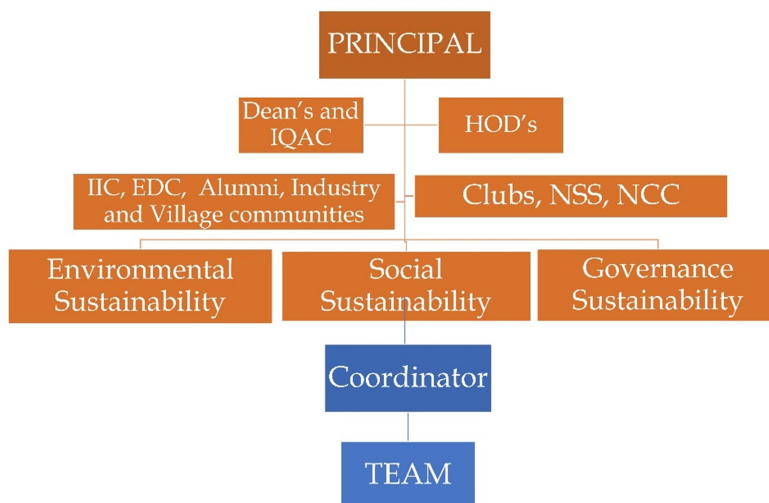
National Engineering College has established a structured governance framework to effectively plan, implement, monitor, document, and continuously improve Sustainable Development Goal (SDG) initiatives across the institution. The governance structure ensures active participation of all stakeholders and facilitates the integration of sustainability into academics, research, campus operations, innovation, and community engagement.

The SDG governance framework functions under the overall leadership of the Principal and is coordinated through the SDG Cell in collaboration with IQAC, academic departments, statutory committees, student organizations, industry partners, alumni, and local communities.

3.2 Institutional Governance Structure



SDG Governance Structure



3.3 Governance Responsibilities

The governance framework is responsible for:

- Formulating institutional policies and strategic plans aligned with the Sustainable Development Goals.



- Integrating SDGs into academic programmes, research, innovation, extension activities, and campus operations.
- Planning and coordinating annual SDG activities through various departments and institutional cells.
- Encouraging interdisciplinary collaboration and stakeholder participation.
- Monitoring measurable outcomes using Key Performance Indicators (KPIs).
- Maintaining documentation, evidence, and annual reports of SDG initiatives.
- Reviewing institutional performance periodically and recommending continual improvements.

3.4 Monitoring and Review

The SDG Cell, in coordination with IQAC, shall review the implementation of SDG initiatives at regular intervals. Each department and institutional cell shall submit periodic reports, supporting documents, and outcome-based evidence for evaluation. The consolidated institutional SDG performance report shall be presented annually to the Principal for review and approval.

This governance structure ensures accountability, transparency, effective coordination, and continuous improvement in achieving the institution's sustainability objectives while supporting the requirements of NBA, NAAC, and other quality assurance frameworks.

4. Roles and Responsibilities

The successful implementation of the Sustainable Development Goals (SDGs) requires the collective participation of all stakeholders. National Engineering College assigns specific roles and responsibilities to ensure effective planning, execution, monitoring, documentation, and continual improvement of sustainability initiatives.

4.1 Principal

The Principal shall:

- Provide strategic leadership and institutional support for SDG implementation.
- Approve the SDG Policy, annual action plans, and institutional sustainability initiatives.
- Allocate necessary resources for implementing SDG-related programmes.
- Review the annual performance of the SDG Cell and recommend continual improvements.

4.2 SDG Cell

The SDG Cell shall:

- Coordinate and monitor all SDG-related activities across the institution.
- Prepare the annual SDG action plan and activity calendar.



- Facilitate integration of SDGs into academics, research, innovation, and extension activities.
- Maintain institutional records, reports, and evidence related to SDG initiatives.
- Prepare annual SDG reports and present them to the Principal and IQAC.
- Monitor Key Performance Indicators (KPIs) and recommend corrective actions wherever necessary.

4.3 Internal Quality Assurance Cell (IQAC)

IQAC shall:

- Integrate SDG initiatives into institutional quality assurance processes.
- Monitor quality, effectiveness, and documentation of SDG activities.
- Support data collection, performance assessment, and continuous improvement.
- Facilitate institutional accreditation requirements related to sustainability.

4.4 Heads of Departments (HoDs)

Heads of Departments shall:

- Integrate SDGs into departmental academic, research, and extension activities.
- Encourage faculty and students to participate in SDG-related initiatives.
- Review departmental progress and ensure proper documentation.
- Submit periodic reports to the SDG Cell.

4.5 Faculty Coordinators

Faculty Coordinators shall:

- Plan and organize SDG-related programmes within their departments.
- Mentor students in sustainability projects, innovation, research, and outreach activities.
- Coordinate with institutional committees and external stakeholders.
- Maintain activity records, attendance, photographs, reports, and outcome-based evidence.

4.6 Student Clubs and Institutional Cells

Student organizations including NSS, NCC, Eco Club, IEDC, IIC, Women Empowerment Cell, YRC, and other institutional clubs shall:

- Conduct awareness programmes, outreach activities, environmental campaigns, innovation events, and social responsibility initiatives.
- Encourage active student participation in achieving the Sustainable Development Goals.
- Document activities and submit reports to the SDG Cell.



4.7 Students

Students shall:

- Actively participate in academic, research, innovation, environmental, and community engagement activities aligned with the SDGs.
- Demonstrate ethical behaviour, social responsibility, and environmental consciousness.
- Contribute innovative ideas and sustainable solutions to address societal challenges.

4.8 Alumni

Alumni shall:

- Support institutional sustainability initiatives through mentoring, expert lectures, internships, entrepreneurship guidance, and networking opportunities.
- Collaborate in community development and outreach programmes whenever possible.

4.9 Industry Partners

Industry partners shall:

- Collaborate in research, innovation, internships, consultancy, entrepreneurship, and skill development programmes.
- Support sustainable technologies, industrial training, and industry-academia initiatives aligned with the SDGs.

4.10 Community and External Stakeholders

Government agencies, local bodies, NGOs, educational institutions, schools, village communities, and other stakeholders shall:

- Collaborate with the institution in implementing sustainable development initiatives.
- Participate in awareness programmes, environmental campaigns, health initiatives, rural development activities, and social welfare programmes.
- Support the institution in achieving measurable outcomes that contribute to the Sustainable Development Goals.

4.11 Collective Responsibility

Every stakeholder of National Engineering College shares the responsibility of promoting sustainability through responsible decision-making, ethical practices, efficient resource utilization, innovation, community engagement, and continuous improvement. The institution encourages collaborative efforts to achieve measurable outcomes aligned with the United Nations Sustainable Development Goals.



5. Academic Integration

National Engineering College is committed to integrating the principles of the United Nations Sustainable Development Goals (SDGs) into its academic ecosystem. The institution recognizes that higher education plays a pivotal role in preparing graduates who possess the knowledge, technical competence, ethical values, and leadership skills required to address global sustainability challenges.

5.1 Curriculum Integration

The institution promotes the integration of sustainability concepts into academic programmes through:

- Incorporation of SDG-related topics in curriculum and course delivery.
- Outcome-Based Education (OBE) that emphasizes sustainable engineering practices and ethical responsibility.
- Case studies, assignments, seminars, and classroom discussions focusing on environmental, social, and economic sustainability.
- Interdisciplinary learning to address real-world sustainability challenges.

5.2 Project-Based Learning

Students are encouraged to undertake:

- Mini projects and major projects addressing Sustainable Development Goals.
- Community-based problem-solving projects.
- Industry-sponsored projects focused on sustainable technologies.
- Multidisciplinary projects that promote innovation and societal impact.

5.3 Experiential Learning

The institution enhances sustainability education through:

- Industrial visits to organizations implementing sustainable practices.
- Internships in industries, research laboratories, government organizations, and NGOs.
- Field visits related to environmental conservation, water management, renewable energy, waste management, and rural development.
- Hands-on learning through laboratories, workshops, and technical training programmes.

5.4 Skill Development

To prepare students for emerging sustainability challenges, the institution conducts:

- Value-added courses and certification programmes.
- Skill development programmes on emerging technologies.
- Entrepreneurship and innovation training through IEDC and IIC.



- Workshops, expert lectures, hackathons, technical competitions, and design challenges related to sustainable development.

5.5 Research and Innovation

Faculty members and students are encouraged to undertake research that contributes to sustainable development through:

- Research publications.
- Consultancy and funded research projects.
- Product development and prototype creation.
- Patent filing and technology transfer.
- Innovation challenges and startup development.

5.6 Community-Integrated Learning

Academic learning is strengthened through extension and outreach activities such as:

- Rural development programmes.
- School outreach initiatives.
- Environmental awareness campaigns.
- Health and sanitation programmes.
- Digital literacy and social empowerment initiatives.
- NSS, NCC, Eco Club, and departmental extension activities aligned with the Sustainable Development Goals.

5.7 Expected Outcomes

Academic integration of SDGs enables the institution to:

- Develop socially responsible and ethically conscious graduates.
- Enhance problem-solving and innovation capabilities.
- Promote interdisciplinary learning and sustainable engineering practices.
- Strengthen employability, entrepreneurship, and leadership skills.
- Increase student participation in research, innovation, and community engagement.
- Contribute effectively towards achieving the United Nations Sustainable Development Goals.

6. Research and Innovation

National Engineering College promotes research, innovation, entrepreneurship, and technology development as key drivers for achieving the Sustainable Development Goals (SDGs). The institution encourages faculty members, researchers, and students to develop innovative and sustainable solutions that address societal, industrial, and environmental challenges.



6.1 Sustainable Research

The institution promotes multidisciplinary research that contributes to sustainable development through:

- Research in emerging technologies addressing environmental, social, and economic challenges.
- Interdisciplinary and collaborative research aligned with the Sustainable Development Goals.
- Sponsored research projects funded by government agencies, industries, and research organizations.
- Research publications in reputed national and international journals.

6.2 Innovation and Entrepreneurship

The Institution's Innovation Council (IIC) and Innovation and Entrepreneurship Development Cell (IEDC) foster a culture of creativity, innovation, and entrepreneurship by:

- Encouraging students and faculty to develop innovative ideas and sustainable solutions.
- Supporting prototype development and proof-of-concept activities.
- Organizing innovation challenges, hackathons, design competitions, and startup awareness programmes.
- Providing mentoring, incubation support, and entrepreneurial guidance.

6.3 Intellectual Property Rights

The institution encourages the protection and commercialization of innovative ideas through:

- Patent awareness programmes and Intellectual Property Rights (IPR) workshops.
- Filing of patents, copyrights, trademarks, and design registrations.
- Technology transfer and commercialization of research outcomes.
- Recognition and incentives for innovation and intellectual property creation.

6.4 Industry Collaboration

The institution strengthens research and innovation through collaboration with industries by:

- Joint research and consultancy projects.
- Industry-sponsored innovation competitions and product development.
- Internships, industrial training, and expert lectures.
- Skill development programmes aligned with emerging industrial technologies.
- Collaborative initiatives that address real-world engineering and societal challenges.



6.5 Consultancy and Technology Development

Faculty members are encouraged to provide consultancy services and develop technology-based solutions that contribute to sustainable development. Consultancy assignments and applied research promote knowledge transfer, industry engagement, and practical problem-solving while supporting institutional and community development.

6.6 Expected Outcomes

Research and innovation initiatives are expected to:

- Enhance the quality and impact of research aligned with the Sustainable Development Goals.
- Increase research publications, funded projects, patents, and technology development.
- Promote innovation, startups, and entrepreneurial ventures among students and faculty.
- Strengthen industry–institution collaboration and knowledge exchange.
- Develop sustainable technologies that contribute to environmental protection, economic growth, and societal well-being.
- Improve the institution's contribution to national and global sustainable development priorities.

7. Environmental Sustainability

National Engineering College is committed to protecting the environment and promoting sustainable campus practices through efficient resource management, environmental conservation, and climate-resilient initiatives. The institution strives to minimize its environmental footprint by adopting responsible practices in energy, water, waste, biodiversity, and pollution control while fostering environmental awareness among all stakeholders.

7.1 Resource Conservation

The institution promotes the efficient utilization and conservation of natural resources by:

- Implementing rainwater harvesting and groundwater recharge systems.
- Promoting water conservation through efficient water management practices.
- Encouraging energy conservation through energy-efficient infrastructure and equipment.
- Adopting renewable energy sources such as solar photovoltaic systems.
- Periodically conducting Green Audit and Energy Audit to assess and improve environmental performance.

7.2 Sustainable Waste Management

The institution adopts an integrated approach towards waste management by:



- Segregating waste at the source into biodegradable and non-biodegradable categories.
- Promoting composting of biodegradable waste.
- Facilitating recycling and scientific disposal of non-biodegradable waste.
- Encouraging waste reduction, reuse, and recycling through circular economy practices.
- Promoting plastic-free campus initiatives and responsible waste disposal.

7.3 Biodiversity and Green Campus

To enhance ecological sustainability, the institution:

- Conducts tree plantation and green campus development programmes.
- Conserves existing green spaces and promotes biodiversity.
- Encourages landscaping with native and environmentally suitable plant species.
- Organizes environmental awareness programmes involving students, faculty, and the local community.

7.4 Environmental Awareness and Community Engagement

The institution promotes environmental responsibility by:

- Organizing awareness programmes on environmental protection and sustainable living.
- Conducting cleanliness drives and campaigns supporting national environmental initiatives.
- Encouraging student participation through the Eco Club, NSS, NCC, and academic departments.
- Collaborating with government agencies, NGOs, schools, and local communities for environmental conservation activities.

7.5 Monitoring and Continuous Improvement

The institution shall periodically monitor environmental sustainability initiatives through measurable indicators, including:

- Water conservation and rainwater harvesting performance.
- Renewable energy generation and energy consumption.
- Waste segregation, recycling, and composting practices.
- Green campus development and tree plantation.
- Environmental audit findings and compliance with applicable regulations.

Based on periodic reviews, corrective actions and improvement measures shall be implemented to strengthen the institution's environmental performance and support continual progress towards the Sustainable Development Goals.



7.6 Expected Outcomes

The Environmental Sustainability Policy aims to:

- Conserve natural resources through responsible utilization.
- Increase the adoption of renewable energy and energy-efficient practices.
- Improve water conservation and groundwater recharge.
- Promote scientific waste management and resource recovery.
- Enhance campus biodiversity and green cover.
- Reduce the institution's environmental footprint.
- Foster environmental awareness and sustainable behaviour among students, faculty, staff, and the community.

8. Social Sustainability

National Engineering College is committed to promoting social sustainability by fostering an inclusive, equitable, healthy, and socially responsible academic environment. The institution strives to improve the quality of life of students and society through education, healthcare, gender equality, community engagement, skill development, and social empowerment. Social sustainability initiatives are integrated into institutional activities to create responsible citizens who contribute positively to society.

8.1 Inclusive and Equitable Education

The institution promotes inclusive education by:

- Providing scholarships and financial assistance to eligible students.
- Ensuring equal learning opportunities irrespective of gender, economic status, or social background.
- Supporting skill development, career guidance, and employability enhancement programmes.
- Encouraging participation in co-curricular and extracurricular activities for holistic student development.

8.2 Health and Well-being

The institution is committed to promoting physical and mental well-being through:

- Medical camps, health screening programmes, and blood donation camps.
- Health, hygiene, nutrition, and wellness awareness programmes.
- Counselling and mentoring support for students.
- Promotion of a safe, healthy, and supportive campus environment.



8.3 Gender Equality and Women Empowerment

The institution promotes gender equity by:

- Ensuring equal opportunities for all students and employees.
- Organizing awareness programmes on gender sensitization and prevention of sexual harassment.
- Strengthening the functioning of the Internal Committee (IC) in accordance with statutory requirements.
- Conducting programmes that promote women's leadership, safety, and empowerment.

8.4 Community Engagement and Extension

The institution actively contributes to community development through:

- Rural outreach and village adoption initiatives.
- School outreach programmes promoting science, technology, and higher education.
- Environmental awareness and cleanliness campaigns.
- Digital literacy, literacy, and social awareness programmes.
- NSS, NCC, Eco Club, and departmental extension activities addressing local societal needs.

8.5 Social Responsibility and Ethical Values

The institution encourages students and faculty to actively participate in community service by:

- Promoting volunteerism through NSS, NCC, and student clubs.
- Organizing awareness programmes on health, environment, road safety, voting, and social responsibility.
- Supporting initiatives that contribute to national development and community welfare.
- Encouraging ethical conduct, civic responsibility, and respect for diversity.

8.6 Monitoring and Continuous Improvement

The institution shall periodically assess the effectiveness of social sustainability initiatives using measurable indicators such as:

- Student participation in outreach and extension activities.
- Number of beneficiaries reached through community programmes.
- Scholarships and student support provided.
- Health camps, awareness programmes, and blood donation drives conducted.
- Gender sensitization and women empowerment initiatives.
- Community partnerships and stakeholder engagement.

The outcomes of these assessments shall be reviewed by the SDG Cell and IQAC to ensure continuous improvement and enhanced social impact.



8.7 Expected Outcomes

The Social Sustainability Policy aims to:

- Promote inclusive and equitable educational opportunities.
- Enhance the health, safety, and well-being of students and the community.
- Strengthen gender equality and social inclusion.
- Develop socially responsible graduates with strong ethical values.
- Increase community participation and societal impact through extension activities.
- Foster long-term partnerships that contribute to sustainable community development.

9. Governance and Ethics

National Engineering College is committed to maintaining a transparent, accountable, ethical, and inclusive governance system that supports sustainable institutional development. The institution upholds the highest standards of integrity, fairness, legal compliance, and professional ethics in all academic, administrative, research, financial, and community engagement activities.

9.1 Good Governance

The institution promotes effective governance by:

- Ensuring transparency, accountability, and participatory decision-making.
- Complying with the regulations and guidelines of statutory and regulatory bodies.
- Integrating sustainability principles into institutional planning, policies, and strategic initiatives.
- Encouraging stakeholder participation in institutional development and continuous improvement.

9.2 Ethical Practices

The institution is committed to fostering a culture of ethics and integrity through:

- Adherence to the Code of Conduct for students, faculty, and staff.
- Promoting honesty, integrity, professionalism, and mutual respect.
- Upholding academic integrity in teaching, learning, research, examinations, and publications.
- Preventing plagiarism, research misconduct, discrimination, and unethical practices.

9.3 Inclusive and Safe Campus

The institution ensures a safe, equitable, and inclusive environment through:

- Effective implementation of policies related to gender equality and prevention of sexual harassment.



- Functioning of statutory committees such as the Internal Committee (IC), Anti-Ragging Committee, Grievance Redressal Committee, and Equal Opportunity Cell.
- Promoting diversity, inclusion, and equal opportunities for all stakeholders.
- Maintaining a secure and respectful campus environment.

9.4 Compliance and Quality Assurance

The institution maintains robust governance through:

- Periodic review of institutional policies and procedures.
- Internal and external audits, including academic, administrative, financial, green, and energy audits.
- Continuous quality monitoring through the Internal Quality Assurance Cell (IQAC).
- Documentation and evidence-based decision-making to support institutional excellence and accreditation requirements.

9.5 Stakeholder Participation

The institution encourages active participation of:

- Students
- Faculty and Staff
- Alumni
- Industry Partners
- Government Agencies
- Non-Governmental Organizations (NGOs)
- Local Communities

Their feedback and participation are considered in planning, implementing, and reviewing institutional sustainability initiatives.

9.6 Monitoring and Continuous Improvement

The SDG Cell, in collaboration with IQAC and other institutional committees, shall periodically review governance practices and ethical compliance. Appropriate corrective and preventive actions shall be implemented to strengthen institutional effectiveness, transparency, and sustainable governance.

9.7 Expected Outcomes

The Governance and Ethics Policy aims to:

- Strengthen institutional transparency and accountability.
- Promote ethical behaviour and academic integrity.
- Ensure statutory compliance and effective quality assurance.
- Foster an inclusive, safe, and respectful campus environment.
- Enhance stakeholder participation in institutional governance.



- Support continuous improvement and sustainable institutional development.

10. Stakeholder Engagement

National Engineering College recognizes that achieving the Sustainable Development Goals (SDGs) requires active participation and collaboration among all stakeholders. The institution promotes a participatory approach by engaging students, faculty, staff, alumni, industry, government agencies, educational institutions, non-governmental organizations (NGOs), and local communities in planning, implementing, and evaluating sustainability initiatives.

10.1 Internal Stakeholder Engagement

The institution actively involves internal stakeholders in SDG implementation through:

- Integrating sustainability into academic, research, innovation, and extension activities.
- Encouraging faculty and student participation in SDG-oriented programmes, projects, and awareness campaigns.
- Promoting volunteerism through NSS, NCC, Eco Club, IIC, IEDC, Women Empowerment Cell, YRC, and other student organizations.
- Conducting workshops, seminars, competitions, and training programmes to strengthen sustainability awareness and leadership.

10.2 External Stakeholder Engagement

The institution collaborates with external stakeholders to enhance the social and environmental impact of its initiatives through:

- Industry partnerships for research, innovation, internships, entrepreneurship, and skill development.
- Collaboration with government departments for health, environmental, education, and rural development programmes.
- Partnerships with schools for technology awareness, career guidance, and STEM education.
- Engagement with NGOs and local bodies for community development and social welfare activities.
- Interaction with alumni for mentoring, technical guidance, career development, and institutional growth.
- Community outreach programmes benefiting village communities through awareness campaigns, environmental initiatives, health camps, digital literacy, and sustainable livelihood promotion.

10.3 Communication and Participation

The institution promotes effective stakeholder engagement by:

- Providing opportunities for consultation and participation in sustainability initiatives.



- Disseminating information on SDG activities through institutional reports, websites, social media, newsletters, and events.
- Encouraging feedback from stakeholders to improve institutional sustainability practices.
- Recognizing and appreciating stakeholder contributions towards achieving the Sustainable Development Goals.

10.4 Monitoring and Evaluation

The SDG Cell, in coordination with IQAC, shall periodically review stakeholder participation and assess the effectiveness of collaborative initiatives using measurable indicators such as:

- Number of collaborative programmes conducted.
- Student and faculty participation in SDG activities.
- Industry and community partnerships established.
- Beneficiaries reached through outreach programmes.
- Feedback received from stakeholders and actions taken for improvement.

10.5 Expected Outcomes

The Stakeholder Engagement Policy aims to:

- Strengthen collaboration among academic, industrial, governmental, and community partners.
- Enhance participation in sustainability-related initiatives.
- Promote knowledge sharing, innovation, and community development.
- Improve the societal impact of institutional activities.
- Foster a culture of shared responsibility towards achieving the Sustainable Development Goals.

11. Monitoring and Key Performance Indicator (KPI) Framework

National Engineering College is committed to ensuring the effective implementation and continuous improvement of Sustainable Development Goal (SDG) initiatives through a systematic monitoring and evaluation framework. The institution shall adopt measurable Key Performance Indicators (KPIs) to assess the effectiveness, impact, and sustainability of its academic, research, environmental, social, and governance initiatives.

11.1 Monitoring Mechanism

The SDG Cell, under the guidance of the Principal and in coordination with IQAC, shall monitor the implementation of SDG initiatives across all departments and institutional cells. Periodic reviews shall be conducted to:

- Evaluate the progress of planned SDG activities.
- Assess the achievement of measurable outcomes.
- Ensure compliance with institutional policies and sustainability objectives.

- Identify areas for improvement and recommend corrective actions.
- Prepare the Annual SDG Performance Report for institutional review.

11.2 Key Performance Indicators (KPIs)

The institution shall monitor the following performance indicators:

Area	Key Performance Indicators (KPIs)
Academic Integration	Number of SDG-integrated courses, student projects, internships, value-added courses, workshops, and student participation.
Research & Innovation	Research publications, funded projects, patents, copyrights, prototypes, startups, consultancy projects, and industry collaborations.
Environmental Sustainability	Renewable energy generation, water conservation, rainwater harvesting, energy savings, tree plantation, waste segregation, recycling, composting, and Green/Energy Audit compliance.
Social Sustainability	Health camps, blood donation camps, awareness programmes, scholarships, outreach activities, women empowerment initiatives, digital literacy programmes, and community beneficiaries.
Governance & Ethics	Policy implementation, stakeholder participation, statutory committee functioning, grievance redressal, audit compliance, and quality assurance activities.
Stakeholder Engagement	MoUs, industry partnerships, alumni engagement, school outreach programmes, community collaborations, and joint sustainability initiatives.

11.3 Data Collection and Documentation

Each department and institutional cell shall maintain appropriate records of SDG-related activities, including:

- Annual action plans and activity calendars.
- Attendance records and participation details.
- Event reports and photographs.
- Outcome and impact assessment reports.
- Publications, patents, consultancy, and innovation records.
- Audit reports and sustainability performance data.

The collected information shall be consolidated by the SDG Cell for institutional monitoring, reporting, and accreditation purposes.

11.4 Performance Review

The SDG Cell shall conduct periodic reviews to:

- Compare planned activities with actual achievements.
- Evaluate the effectiveness of sustainability initiatives.
- Review KPI achievements and institutional performance.
- Identify best practices and opportunities for improvement.



- Recommend corrective and preventive actions for continual enhancement.

11.5 Continuous Improvement

Based on the findings of the periodic reviews, the institution shall:

- Revise annual action plans wherever necessary.
- Strengthen stakeholder participation and interdepartmental collaboration.
- Enhance resource utilization and institutional sustainability practices.
- Promote innovative approaches for achieving measurable SDG outcomes.
- Incorporate feedback from stakeholders into future planning.

11.6 Expected Outcomes

The Monitoring and KPI Framework aims to:

- Ensure systematic implementation of the Institutional SDG Policy.
- Establish a measurable, transparent, and evidence-based evaluation system.
- Enhance accountability and continuous quality improvement.
- Support institutional planning, accreditation, and sustainability reporting.
- Demonstrate the institution's measurable contribution towards achieving the United Nations Sustainable Development Goals.

12. Annual Review and Policy Revision

12.1 Annual Review

National Engineering College is committed to ensuring the continued relevance, effectiveness, and impact of its Sustainable Development Goals (SDG) Policy. The implementation of this policy shall be reviewed annually to assess institutional performance, evaluate measurable outcomes, and identify opportunities for continual improvement.

The annual review shall be coordinated by the SDG Cell, with inputs from the respective SDG-related activity coordinators, Clubs, NSS, NCC, relevant institutional cells and committees, IQAC, and other concerned offices/units. The review shall include:

- Assessment of the implementation status of SDG initiatives across all departments and institutional cells.
- Evaluation of Key Performance Indicators (KPIs) and measurable outcomes.
- Review of academic, research, innovation, environmental, social, and governance-related initiatives contributing to the SDGs.
- Assessment of stakeholder participation and community impact.
- Identification of best practices, challenges, gaps, and areas requiring improvement.
- Compilation and submission of the Annual SDG Performance Report by the SDG Cell to the Principal for review and necessary action.

The findings of the annual review shall be used to strengthen the implementation of the SDG Policy and to support continual improvement in the institution's sustainability performance.

12.2 Policy Revision

This SDG Policy shall be reviewed periodically to ensure its alignment with:

- United Nations Sustainable Development Goals (SDGs).
- National education policies and sustainability priorities.
- Guidelines issued by AICTE, UGC, NBA, NAAC, and other statutory bodies.
- Institutional Vision, Mission, and Strategic Plan.
- Emerging sustainability challenges, technological advancements, and stakeholder expectations.

Policy revisions may be initiated whenever significant regulatory changes, institutional requirements, or sustainability priorities arise.

12.3 Approval of Revisions

All proposed amendments to this policy shall be reviewed by the **SDG Cell** before being submitted to the **Principal** for approval. Once approved, the revised policy shall be communicated to all stakeholders and implemented across the institution.

12.4 Document Control

Particular	Details
Policy Title	Institutional SDG Policy
Policy Version	Version 1.0
Policy Owner and reviewing authority	SDG Cell
Approving Authority	Principal
Review Frequency	Once every Academic Year
Effective Date	Upon approval by the Principal
Next Review Date	One year from the effective date or earlier, if required

12.5 Commitment to Continuous Improvement

National Engineering College is committed to continually strengthening its contribution towards sustainable development through regular monitoring, evidence-based decision-making, stakeholder participation, innovation, and responsible governance. The institution shall continuously enhance its policies, practices, and institutional initiatives to achieve measurable outcomes aligned with the Sustainable Development Goals and contribute meaningfully to national and global sustainability priorities.

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