

# IGEN GREEN SUSTAINABILITY ACADEMIC PARTNER PROGRAM



**TOOLKIT 2025**



## **ENROLMENT FOR INSTITUTION MEMBERSHIP**

**PARTNERSHIP FOR THE GOALS (SDG 17) :** The United Nations Sustainable Development Goal (SDG) 17 emphasizes that global challenges can only be overcome through effective partnerships and collective efforts. International investments and supportive policies are critical to fostering innovative technological development, equitable trade, and broader market access, particularly for developing nations. In pursuit of building a more inclusive and sustainable world, it is essential to be supportive, empathetic, inventive, and passionate—qualities that underpin strong partnerships and collaborative initiatives.

**IGEN INSTITUTION MEMBERSHIP:** The Green Sustainability Academic Partner Program The IGEN Green Sustainability Academic Partner Program is designed to help institutions seamlessly integrate sustainability into their education, research, and campus operations. By becoming an IGEN Institution Member, universities and colleges gain access to resources, expert guidance, and opportunities to enhance eco-friendly practices. This membership fosters a structured approach to sustainability and institutional growth, supported by the 9 Benefits of Becoming an Academic Partner, which include:

**MAPPING SDG GOALS WITH ACADEMIC ACTIVITIES , STUDENT SUPPORT WITH COMMUNITY ACTIVITIES THROUGH IGEN VIBGGYOR GREEN CIRCLE, IGEN MICRO FUNDED AND NON FUNDED PROJECTS, UN INTERNATIONAL DAY RECOGNITION, RESEARCH INITIATION AND APPRECIATION, INDUSTRY PARTNER AND PROJECTS: COLLABORATIVE INITIATIVE , IGEN ENSAV CLUB INSTALLATION, PARTNER IGEN EVENTS AND SPEAKER OPPORTUNITIES and IGEN AWARDS AND APPRECIATIONS**

**WHY ACADEMIC PARTNERSHIP MATTERS:** Recent studies, including the Nature Index, show a marked increase in university-industry collaborations—more than doubling between 2012 and 2016. Such collaborations are crucial for translating academic research into practical, market-ready solutions that address pressing global challenges. By serving as a bridge between Green Institution Members and Green Industry Members, IGEN creates a robust ecosystem that drives tangible outcomes toward SDG targets. Through collaborative research, innovative product development, and impactful community projects, academic and industry partners can collectively contribute to a greener future.

**JOIN THE MOVEMENT:** Enrolling in the IGEN Green Sustainability Academic Partner Program enables institutions to build upon their existing strengths, adopt best practices in sustainability, and cultivate the next generation of environmentally conscious leaders. By working together under the umbrella of SDG 17, we can create a powerful network of change-makers committed to advancing global sustainability goals—one campus at a time.

# '9' BENEFITS TO BECOME ACADEMIC PARTNER:

## 01: MAPPING SDG GOALS WITH ACADEMIC ACTIVITIES:



Integrating the United Nations Sustainable Development Goals (SDGs) into academic activities is essential to creating a culture of sustainability within educational institutions. The IGEN program provides a structured framework for aligning institutional events, student projects, and research activities with SDG objectives. The process includes the following key components:

**Inauguration of the "SDG4COLLEGE" Campaign : Objective:** To promote awareness and engagement with SDG goals among all campus members through social media and campus-wide initiatives.

**Implementation Steps:** Launch the campaign during an official event with participation from students, faculty, and administration. Use social media platforms like Facebook, Instagram, LinkedIn, and campus-specific channels to share information, success stories, and upcoming events related to SDGs. Display SDG posters and banners across campus to create visual awareness. Encourage students and staff to participate in online challenges using hashtags like #SDG4COLLEGE and #IGEN4SDG.

**SDG Goals Competition and Selection of Campus IGEN SDG Warriors : Objective:** To foster a competitive spirit and encourage students and staff to actively contribute to SDG goals through innovative projects.

**Competition Structure:** Organize competitions focused on specific SDG goals, such as energy conservation, waste management, clean water solutions, and climate action. Competitions may include idea presentations, poster design contests, hackathons, and case study analyses. **Selection Process:** Participants will present their projects and solutions to a panel of judges comprising faculty members and industry experts. Winners will be recognized as *Campus IGEN SDG Warriors* and assigned leadership roles to promote SDG initiatives on campus. Selected individuals will receive certificates, badges, and public recognition during campus events.

**Implementation Steps:** All campus events—such as seminars, workshops, cultural programs, and sports competitions—should integrate an SDG component. For example: Science exhibitions can focus on renewable energy solutions (SDG 7: Affordable and Clean Energy). Debates and discussions can address topics like climate change and gender equality (SDG 13: Climate Action, SDG 5: Gender Equality). Community outreach programs can promote clean water, sanitation, and health (SDG 6: Clean Water and Sanitation, SDG 3: Good Health and Well-being). Event organizers must document and report how their event aligns with SDGs using standardized templates provided by IGEN.

**Aligning Student Projects with SDG Goals : Objective:** To integrate SDG principles into students' academic projects, ensuring practical contributions to sustainability challenges.

**Implementation Steps:** Students will be encouraged to select project topics that address specific SDG goals. Faculty mentors will guide students in aligning their project objectives, methodologies, and outcomes with relevant SDGs. Example projects include developing solar-powered devices (SDG 7), creating waste reduction systems (SDG 12: Responsible Consumption and Production), and designing eco-friendly buildings (SDG 11:

Sustainable Cities and Communities). Upon project completion, students will receive certificates and awards, including IGEN SDG Action Awards and Carbon Credit Certificates.

✔ **Aligning Campus Research Activities with SDG Goals : Objective:** To direct faculty and student research toward solutions that address global sustainability challenges.

**Implementation Steps:** Faculty members and research scholars will align their research topics with SDG priorities, focusing on areas such as climate change, renewable energy, and sustainable agriculture. Research proposals and publications should explicitly state their contribution to achieving specific SDG targets. Institutions will submit the best research publications quarterly to the IGEN Judge Committee for evaluation, with recognition awarded to outstanding researchers.

✔ **Initiating Green Initiative Projects Aligned with SDG Goals : Objective:** To implement practical sustainability projects that create measurable environmental benefits.

**Implementation Steps:** Launch green initiatives such as energy audits, waste management systems, water conservation programs, and campus greening activities. Encourage student clubs and faculty committees to lead these projects, fostering a sense of ownership and responsibility. Monitor and evaluate project outcomes using key performance indicators, ensuring alignment with SDG targets. Document project successes and share them with the broader community through social media, campus publications, and IGEN events.

✔ **Summary :** By mapping SDG goals with academic activities, institutions can create a culture of sustainability that empowers students and faculty to contribute to global challenges. Through awareness campaigns, competitions, aligned projects, and green initiatives, this process ensures that academic institutions become catalysts for positive environmental and social change.

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## **02: STUDENT SUPPORT WITH COMMUNITY ACTIVITIES THROUGH IGEN VIBBGYOR GREEN CIRCLE**



The IGEN VIBBGYOR Green Circle is a student-led initiative designed to promote environmental awareness, sustainable practices, and green action within educational institutions and the broader community. This program aligns with various Sustainable Development Goals (SDGs) and empowers students to become sustainability champions through practical projects and community engagement.

The framework is built around nine core areas represented by nine colors, each supervised by a dedicated student leader responsible for coordinating projects and ensuring their successful execution. The initiative follows the concept of Pancha Bhoota Stalam—representing the five elements (earth, water, fire, air, and aether)—integrating these elements into sustainable practices that address modern environmental challenges.

## ✔ Structure of IGEN VIBBGGYOR Green Circle

**Leadership Model:** Nine student leaders are appointed, each representing one of the nine colors of the VIBBGGYOR spectrum (Violet, Indigo, Blue, Green, Yellow, Orange, and Red). Each leader is responsible for overseeing projects within their assigned thematic area, guiding fellow students, and ensuring alignment with SDG goals.

**Alignment with SDG Goals:** The program focuses on SDG Goals 3, 4, 6, 7, 9, 11, 12, 13, and 17, promoting initiatives that contribute to health, education, clean water, renewable energy, sustainable cities, responsible consumption, climate action, and global partnerships.

**IGEN VIBBGGYOR Goals:** Projects are designed around nine core sustainability themes, each aligning with specific SDG goals:

**Waste Management:** Promoting recycling, reducing waste, and promoting zero-waste practices (SDG 12).

**Next-Gen Transport:** Encouraging eco-friendly transportation methods like cycling and electric vehicles (SDG 11, 13).

**Built Environment:** Designing energy-efficient buildings and sustainable infrastructure (SDG 9, 11).

**Intelligent Agriculture:** Promoting organic farming and water-efficient irrigation (SDG 2, 6).

**Energy Efficiency:** Reducing energy consumption and promoting renewable energy sources (SDG 7, 13).

**Clean Air and Water:** Ensuring access to clean air and safe drinking water (SDG 6, 11).

**Smart Health and Wellness:** Promoting healthy lifestyles and reducing environmental health risks (SDG 3).

**Future Computing:** Using technology to address environmental challenges and improve efficiency (SDG 9).

**Safety and Standards:** Ensuring environmental safety and implementing sustainability standards (SDG 11, 12).

## ✔ Implementation of IGEN SDG Projects



Students participate in practical projects known as #igenSDGprojects, which are designed to create measurable environmental and social impacts. These projects are promoted using hashtags to increase awareness and engagement both within and outside the campus community.

**Ongoing Projects:** #igenenergy99challenge: Objective: To promote energy efficiency and reduce energy consumption through innovative solutions.

**Activities:** Conducting energy audits, reducing electricity consumption, and promoting renewable energy.

#igencycle4green: Objective: To reduce carbon emissions by promoting cycling as a sustainable mode of transportation. Activities: Organizing cycling events, encouraging daily cycling, and creating bike-friendly campuses.

#igentalk4sdg: Objective: To raise awareness about SDG goals and sustainable practices through interactive talks and discussions. Activities: Hosting guest lectures, panel discussions, and student-led awareness sessions.

#igenZero2Hero: Objective: To promote zero waste and circular economy principles, turning waste into valuable resources. Activities: Conducting zero-waste challenges, promoting recycling, and reducing single-use plastics.

#igenMinusCo2: Objective: To reduce carbon emissions and promote climate action. Activities: Planting trees, reducing transportation emissions, and supporting renewable energy projects.

### ✔ Recognition and Certification

Students participating in IGEN SDG Projects receive the following recognitions and benefits, which enhance their academic and professional profiles:

Project Order Letter: Formal authorization to undertake the project, outlining objectives and expected outcomes.

Project Internship Certificate: Recognition of the practical experience gained during the project.

IGEN Medal: Awarded to students who demonstrate exceptional performance and commitment.

Project Completion Certificate: Acknowledges successful project completion and achievement of set goals.

Carbon Credit Certificate: Recognizes contributions to reducing carbon emissions, supporting global climate action.

IGEN SDG Action Award: Awarded to students who make a significant impact in achieving SDG goals through their projects.

### ✔ Summary

The IGEN VIBBGYOR Green Circle provides students with a platform to contribute to environmental sustainability through practical projects aligned with SDG goals. With nine dedicated student leaders overseeing projects in key sustainability areas, this initiative not only raises awareness but also empowers students to take tangible actions that create measurable impacts. Through participation in ongoing projects like #igenenergy99challenge and #igenMinusCo2, students gain valuable experience, certifications, and recognition, preparing them to become future leaders in sustainability.

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## **03: IGEN MICRO FUNDED AND NON FUNDED PROJECTS**

# Funding Opportunities

The IGEN Micro Funded and Non-Funded Projects initiative is designed to provide financial and resource support to academic institutions for innovative projects that align with the United Nations Sustainable Development Goals (SDGs). This program empowers both faculty and students to address real-world challenges by collaborating with industry partners, conducting research, and implementing practical solutions within their campuses and communities.

IGEN offers micro funding twice a year (biannually) to selected projects that demonstrate creativity, feasibility, and alignment with sustainability goals. Funding amounts range from ₹10,000 to ₹50,000, depending on the scope and impact of the project. The initiative also includes non-funded projects where participants receive recognition and certification upon successful completion.

### ✔ Project Models and Categories:

Technical Problems from IGEN Partner Industry: Faculty and students collaborate to develop innovative solutions for real-world problems defined by IGEN's industry partners. These challenges may involve improving production efficiency, reducing environmental impact, optimizing energy use, or developing sustainable technologies.

**Global SDG Research Survey:** Conducting global surveys to gather data on sustainability practices, social behaviors, and environmental trends. The data collected is used to support research and policymaking aligned with SDG goals.

**SDG Community Research Survey:** Engaging with local communities to assess awareness, attitudes, and practices related to SDG goals such as clean water, health, education, and climate action. The findings help design community programs that promote sustainable living.

**Campus Energy Audit:** Analyzing energy consumption patterns within the campus to identify areas for improvement. Students conduct assessments of lighting, HVAC systems, electrical equipment, and building insulation, proposing solutions to enhance energy efficiency.

**Campus Green Audit:** Evaluating the environmental performance of the campus, including waste management, water usage, carbon footprint, and green spaces. Recommendations are made to reduce environmental impact and promote eco-friendly practices.

### ✔ **Application and Selection Process :**

**Project Call and Announcement:** IGEN announces its call for project proposals twice a year through the IGEN JUNCTION platform and partner institutions. The announcement includes details of eligible project categories, funding limits, submission deadlines, and evaluation criteria.

**Concept Note Submission:** Interested teams, consisting of faculty members and students, must submit a two-page concept note outlining their project idea. The concept note should include: **Title:** Clear and concise project title. **Objective:** Specific goals the project aims to achieve. **Methodology:** Step-by-step approach for project implementation. **Expected Outcomes:** Measurable results aligned with SDG goals. **Budget Estimate:** Breakdown of costs if applying for funding.

**Shortlisting and Approval:** A panel of experts from IGEN reviews the concept notes based on criteria such as innovation, feasibility, sustainability impact, and alignment with SDGs. Shortlisted teams receive formal notification along with a Project Order Letter authorizing them to proceed with their projects.

**Project Execution:** Teams implement their projects within a specified timeframe, ensuring adherence to the proposed methodology and budget. Regular progress reports may be required to monitor implementation and address challenges.

**Project Completion and Report Submission:** Upon completion, teams submit a comprehensive project report documenting their process, outcomes, challenges, and lessons learned. The report should include evidence of achieved results, such as data analysis, photographs, and testimonials.

### ✔ **Recognition and Certification :**

Successful participants receive the following acknowledgments upon completion of their projects:

**Project Order Letter:** Formal authorization received at the start of the project.

**Project Completion Certificate:** Certifies the successful execution of the project.

**Carbon Credit Certificate:** Recognizes contributions toward reducing carbon emissions and promoting sustainability.

**IGEN SDG Action Award:** Honors individuals and teams whose projects make a significant impact on achieving SDG goals.

### ✔ **Summary**

The IGEN Micro Funded and Non-Funded Projects initiative offers both financial support and recognition to students and faculty who develop innovative solutions for sustainability challenges. Through collaboration with industry partners, community engagement, and campus audits, participants gain hands-on experience while

contributing to the global SDG movement. This program not only enhances their academic and professional profiles but also empowers them to create a lasting impact on society and the environment.

#### **04: UN INTERNATIONAL DAY RECOGNITION**



The UN International Day Recognition initiative aims to honor the contributions of staff and students who actively promote the values and goals of the United Nations (UN), particularly in areas related to sustainability and environmental stewardship. This recognition program aligns with key UN International Days, offering a platform to showcase green activities and initiatives undertaken by members of IGEN Institution Partners.

In 2025, IGEN will celebrate nine designated UN International Days by encouraging campus-wide participation, awareness campaigns, and sustainability-driven projects. Outstanding contributors will be awarded the prestigious IGEN UNEA Contribution Badge, symbolizing their commitment to advancing sustainability and supporting the UN's mission.

**✔ Objectives of the Initiative:** To recognize and appreciate the efforts of staff and students in promoting sustainability and environmental awareness. To encourage academic institutions to align their activities with the United Nations Sustainable Development Goals (SDGs).

To create a culture of environmental stewardship within educational institutions by celebrating key UN International Days. To foster a spirit of innovation, collaboration, and social responsibility among the academic community.

**✔ Participation and Nomination Process :**

**Announcement of UN International Days:** At the beginning of the academic year, IGEN will announce the nine UN International Days selected for action in 2025. These days will cover themes related to climate action, biodiversity, clean energy, waste reduction, and social sustainability. Each participating institution will receive a detailed schedule and guidelines on how to align their green activities with these International Days.

**Campus Activities and Initiatives:** Staff and students are encouraged to organize and participate in activities that promote sustainability and raise awareness of the respective UN International Day's theme. Examples include: Tree plantation drives, clean-up campaigns, and energy-saving challenges. Awareness sessions, seminars, and panel discussions on sustainability topics. Social media campaigns using hashtags related to each International Day. Community engagement projects addressing environmental and social issues.

**Nomination Process:** Following each UN International Day, institutions will nominate individuals and teams who demonstrated exceptional commitment to promoting sustainability. Nominations must include a brief description of the activity, its impact, and the role of the nominated individuals. Supporting documents such as photos, videos, and participant feedback may also be submitted.

**Evaluation and Selection:** The IGEN Evaluation Committee will review all nominations, assessing criteria such as innovation, impact, collaboration, and alignment with SDG goals. Special consideration will be given to initiatives that showcase measurable environmental benefits and inspire broader community involvement.

## ✔ Recognition and Awards :

IGEN UNEA Contribution Badge: Awarded to individuals and teams who demonstrate outstanding contributions to sustainability on UN International Days. This badge signifies recognition by IGEN and aligns with the principles of the United Nations Environment Assembly (UNEA).

Certificate of Appreciation: Nominees who showcase significant efforts and dedication will receive Certificates of Appreciation, recognizing their role in advancing sustainability within their institution and community.

Institution-Level Recognition: Partner institutions that actively participate in all nine UN International Days and demonstrate impactful initiatives will be acknowledged during the IGEN UN International Day Awards Ceremony, held annually on December 5th.

## ✔ 🌱 List of Potential UN International Days for 2025

While the exact days will be announced by IGEN, typical days celebrated include:

World Environment Day (June 5) - Focus on biodiversity, pollution reduction, and ecosystem restoration.

World Water Day (March 22) - Promoting sustainable water use and clean water access.

International Day of Forests (March 21) - Emphasizing the role of forests in combating climate change.

Earth Day (April 22) - Raising awareness about climate change and environmental protection.

World Energy Day (October 22) - Highlighting the importance of renewable energy and energy efficiency.

International Day of Clean Air for Blue Skies (September 7) - Addressing air pollution and its impact on health.

International Day for Biological Diversity (May 22) - Promoting conservation and sustainable use of biodiversity.

World Oceans Day (June 8) - Advocating for ocean conservation and reducing marine pollution.

International Day of Climate Action (October 24) - Encouraging global action to mitigate climate change.

## ✔ Summary

The UN International Day Recognition initiative provides a structured platform for educational institutions to align their sustainability efforts with global environmental priorities. By celebrating nine UN International Days, the program fosters awareness, collaboration, and community engagement while recognizing the contributions of staff and students through the prestigious IGEN UNEA Contribution Badge. This initiative not only strengthens the connection between academic institutions and the global sustainability movement but also empowers individuals to become catalysts for positive environmental change.

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## **05: RESEARCH INITIATION AND APPRECIATION**



The IGEN Research and Innovation Consortium is a dedicated platform established within partner institutions

to promote collaborative research, technological innovation, and knowledge sharing focused on sustainability and green practices. Comprising research staff and student members, the consortium works toward addressing global challenges aligned with the United Nations Sustainable Development Goals (SDGs). By fostering academic-industry partnerships and encouraging high-impact research, the consortium aims to advance sustainable development at both local and global levels.

✔ **Objectives of the Consortium** : To promote interdisciplinary research in sustainability and green technologies. To encourage faculty and students to develop innovative solutions that address environmental and societal challenges. To facilitate collaboration between academic institutions, industries, and communities through Corporate Social Responsibility (CSR) projects. To recognize and appreciate outstanding research publications that contribute to sustainability and SDG goals.

✔ **Collaborative CSR-Funded Projects** : To align academic research with industry needs and community welfare through CSR-funded projects. To provide practical solutions that address sustainability challenges in energy, water, waste management, agriculture, and climate action.

**Project Submission Process:** Each partner institution is required to submit two collaborative CSR-funded project proposals annually. Projects must be developed with the support of faculty members and should involve student participation. The proposals should focus on real-world problems faced by industries or communities, with measurable outcomes aligned with SDG goals.

**Collaboration with Industry and Community:** Faculty members will act as project mentors, guiding students in conducting research, collecting data, and developing solutions. Industry partners will provide insights, technical support, and funding through their CSR initiatives. Community engagement will be emphasized, ensuring that the solutions developed are practical, scalable, and sustainable.

**Project Outcomes and Recognition:** Upon successful completion, the project team will submit a comprehensive report detailing the research process, key findings, and achieved outcomes. Participants will receive certificates of appreciation and recognition at the annual **IGEN Sustainability Awards Ceremony**.

#### ✔ **Recognition for Best Research Publications**

**Objective:** To encourage high-quality research that contributes to sustainability and aligns with global environmental goals. To recognize faculty members whose research is published in reputed journals indexed in Web of Science and Scopus.

**Submission Process:** Faculty members are encouraged to submit their research publications related to sustainability, green technologies, and environmental action. The Head of the Institution will review and shortlist the best research publications from the campus on a quarterly basis. The shortlisted publications will be forwarded to the IGEN Judge Committee for evaluation.

**Evaluation Criteria:** Relevance to SDG goals and sustainability challenges. Innovation and originality of the research. Methodological rigor and scientific contribution. Practical applicability and potential for real-world impact.

**Awards and Appreciation:** Each quarter, one male and one female faculty member from each partner institution will be recognized for their outstanding research contributions. Recipients will receive a Certificate of Excellence and public recognition during IGEN events. Exceptional research publications may also be featured on the IGEN JUNCTION platform to inspire other researchers and students.

#### ✔ **Summary**

The *IGEN Research and Innovation Consortium* plays a pivotal role in advancing sustainability through collaborative research and industry partnerships. By supporting CSR-funded projects and recognizing high-impact research publications, the consortium empowers faculty and students to contribute to solving global

environmental challenges. Through this initiative, partner institutions strengthen their research capabilities, enhance their academic reputation, and drive positive change in their communities and beyond.

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## **06) INDUSTRY PARTNER AND PROJECTS: COLLABORATIVE INITIATIVE**



The Industry Partner and Projects initiative is designed to build strong, mutually beneficial partnerships between academic institutions and industries. By aligning real-world challenges with academic expertise, this program bridges the gap between theoretical knowledge and practical application. Each participating institution is paired with an industry partner, fostering collaboration in research, problem-solving, and skill development. This partnership enhances faculty members' exposure to industry challenges while providing students with valuable internship opportunities that boost their career prospects.

**✓ Objectives of the Initiative :** To create a platform for collaborative problem-solving where industry challenges are addressed through academic research and innovation. To provide students with hands-on experience, industry exposure, and practical knowledge through internships. To enrich academic curricula with real-world case studies and industry insights, ensuring that educational programs are aligned with industry needs. To foster long-term partnerships between academic institutions and industries, driving innovation and sustainable development.

**Problem-Solving by Faculty :** To leverage the expertise of faculty members to address real-world challenges faced by industry partners.

**Process:** The industry partner identifies specific problems or challenges within their operations that require innovative solutions. These challenges may involve improving efficiency, reducing environmental impact, optimizing production processes, or developing new products. Faculty members from the partner institution analyze these challenges using their academic knowledge, research skills, and industry insights. Collaborative brainstorming sessions, research projects, and feasibility studies are conducted to develop practical, research-based solutions. The solutions are presented to the industry partner for implementation, with ongoing support and feedback from the faculty team.

**Benefits:** Faculty members gain industry exposure, enhancing their understanding of real-world applications of their research. Academic institutions strengthen their research capabilities and reputation through successful industry collaborations. Industry partners benefit from innovative solutions that address their operational challenges, improving efficiency and competitiveness.

**✓ Student Internships:** To provide students with practical experience, industry exposure, and hands-on training in real-world environments.

Process: The industry partner offers internship opportunities to students from the partner institution. Internships may be short-term (summer internships) or long-term (semester-long or year-long internships), depending on the industry's needs and the student's academic schedule. Students are placed in various departments within the industry, where they gain practical experience, develop industry-relevant skills, and apply their academic knowledge to real-world scenarios. During the internship, students work under the supervision of industry mentors, who provide guidance, feedback, and support. Faculty members from the academic institution also provide academic supervision and ensure that the internship aligns with the student's academic goals.

Students document their internship experiences, including the challenges they encountered, the skills they developed, and the outcomes they achieved.

Benefits: Students gain practical knowledge, industry exposure, and hands-on experience, enhancing their employability and career prospects. Internships provide students with insights into industry processes, best practices, and workplace culture, bridging the gap between academic learning and industry requirements. Industry partners benefit from the fresh perspectives, creativity, and enthusiasm of students, who often bring innovative ideas and approaches to their work.

### ✔ Summary

The Industry Partner and Projects initiative creates a dynamic platform where academic institutions and industries collaborate to address real-world challenges, drive innovation, and develop skilled professionals. Through faculty-led problem-solving, student internships, and mutually beneficial partnerships, this initiative enhances the quality of education, strengthens industry-academia collaboration, and contributes to sustainable development. By aligning academic expertise with industry needs, IGEN empowers institutions and students to make a meaningful impact in the world of sustainability and beyond.

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## **07: IGEN ENSAV CLUB INSTALLATION**



The IGEN ENSAV (Energy Saving) Club is designed to foster energy conservation, environmental sustainability, and green practices among students and the community. The club serves as a platform for promoting eco-friendly habits, raising awareness about sustainability, and implementing practical projects aligned with the United Nations Sustainable Development Goals (SDGs).

The club will be established at partner institutions, following specific guidelines outlined in the IGEN ENSAV Club Policy Document. The club's operations will be structured, goal-oriented, and aligned with the IGEN ENSAV Club Tool Kit and the Annual Calendar, ensuring consistent and impactful activities throughout the academic year.

## ✔ Club Structure and Leadership

Student Leadership Team:

Chairman: Leads the club, oversees all activities, and represents the club at institutional and external events.

Secretary: Manages club communications, documentation, and coordination of activities.

10 ECM Members: Responsible for specific initiatives and projects, ensuring the successful execution of the club's objectives.

Faculty Ambassador : A designated faculty member will guide and mentor the student leadership team, ensuring alignment with institutional and IGEN objectives.

## ✔ Key Activities and Focus Areas

Awareness Campaigns: Conduct workshops, seminars, and social media campaigns to promote energy conservation and sustainability. Practical Projects: Implement green initiatives such as energy audits, waste reduction, water conservation, and carbon footprint reduction. Community Engagement: Organize events involving local communities, spreading awareness about sustainable practices beyond the campus.

Collaborative Events: Partner with other IGEN clubs, industries, and NGOs to drive large-scale sustainability projects.

## ✔ Annual Calendar and Tool Kit

Annual Calendar: The club will follow a structured annual calendar that outlines key events, milestones, and reporting deadlines. This calendar ensures that activities are well-planned and aligned with broader sustainability goals.

IGEN ENSAV Club Tool Kit: The Tool Kit provides guidelines, templates, and best practices for organizing events, conducting energy audits, implementing sustainability projects, and measuring impact. It ensures that all club activities are standardized, measurable, and aligned with IGEN's overall mission.

## ✔ Recognition and Awards

IGEN ENSAV Club Annual Day: An annual event hosted by one of the participating colleges, where active staff and students are recognized for their contributions to energy conservation and sustainability. Awards and certificates will be presented to individuals and teams who demonstrate exceptional dedication and innovative solutions.

Best ENSAV Club Award: This prestigious award is presented to the institution that demonstrates the highest performance and impact, as measured by the Tool Kit guidelines. Evaluation criteria include the number and quality of projects completed, measurable energy savings, community engagement, and overall contribution to sustainability.

## ✔ Summary

The IGEN ENSAV Club empowers students to become sustainability leaders by promoting energy conservation and green practices within their institutions and communities. Through structured leadership, guided activities, and practical projects, the club drives measurable environmental impact. With recognition and awards celebrating achievements, the club not only enhances students' skills and knowledge but also fosters a culture of sustainability that extends beyond the campus.

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## 08) PARTNER IGEN EVENTS AND SPEAKER OPPORTUNITIES



The banner for IGEN ENVIRONTHON 2024 features a green background with a globe icon on the left and a colorful circular logo on the right. The text 'IGEN ENVIRONTHON' is prominently displayed in large, white, outlined letters. Below it, '29 Hours MARATHON' and '2024' are written in white, followed by 'PANCHA BHUTAS & COP29'. A blue bar at the bottom left contains 'CORE ORGANISERS', a yellow bar in the center contains 'Setting New World Record', and a blue bar on the right contains 'IEI (TNSC)'. Logos for 'The Institution of Green Engineers', 'GLOBAL WEEK TO #ACT4SDGs', and 'THE INSTITUTION OF ENGINEERS' are shown. Text on the right describes the event as a record-breaking 29-hour marathon for the second edition of IGEN ENVIRONTHON 2024, involving 29 countries, states, districts, and speakers, with a focus on COP29 themes in November 2024 at Baku, Azerbaijan.

The Partner IGEN Events and Speaker Opportunities initiative offers academic institutions a platform to collaborate on international events, co-host major sustainability conferences, and provide faculty and students with opportunities to share their expertise and research. This initiative fosters global engagement, knowledge exchange, and professional growth, aligning with the United Nations Sustainable Development Goals (SDGs). Partner institutions are encouraged to actively participate in all IGEN events throughout the year, promoting continuous engagement within the global sustainability network.

### ✓ Key Opportunities and Benefits:

International Partner Opportunity : Objective: To provide partner institutions with the opportunity to collaborate with UNDESA (United Nations Department of Economic and Social Affairs) partner organizations, promoting global engagement and knowledge exchange.

Process: Partner institutions can host or co-organize international events focused on sustainability, innovation, and green practices. Events may include conferences, workshops, webinars, and panel discussions, connecting institutions with global thought leaders, policymakers, and industry experts. Institutions will receive support from IGEN in planning, organizing, and promoting these events to ensure broad participation and impactful outcomes.

Benefits: Enhanced visibility and recognition on a global platform. Opportunities to showcase the institution's research, innovations, and sustainability initiatives. Strengthened international partnerships and networking opportunities with leading organizations and institutions.

### ✓ Co-Hosting IGEN Conferences

Objective: To enable partner institutions to co-host IGEN's flagship conferences, providing a platform to showcase their contributions to sustainability and green innovation.

Available Conferences: IGEN ENERGATHON: Focused on energy efficiency, renewable energy, and sustainable energy solutions. IGEN ENVIRONTHON: Centered on environmental conservation, climate action, and eco-friendly technologies.

Process: Partner institutions can apply to co-host either IGEN ENERGATHON or IGEN ENVIRONTHON, depending on their area of expertise. The hosting institution will collaborate with IGEN to plan and execute the conference, ensuring alignment with global sustainability goals. Institutions will have the opportunity to present their research, showcase innovative projects, and engage with industry leaders and academic peers.

Benefits: Increased institutional recognition and credibility within the global sustainability community. Opportunities to highlight faculty and student achievements, attracting potential collaborators and investors. Enhanced networking and partnership opportunities with industry leaders, policymakers, and fellow researchers.

✔ **Speaker Opportunities** : To provide faculty members and students from partner institutions with guaranteed opportunities to share their insights, research, and experiences during IGEN events.

**Monthly Partner Event:** Each month, IGEN organizes a Monthly Partner Event featuring presentations and discussions on key sustainability topics. Faculty members and students from partner institutions are guaranteed speaker slots, allowing them to showcase their research, innovative projects, and success stories. These events provide a platform for knowledge sharing, collaboration, and professional growth.

**Additional Speaking Opportunities:** Beyond the Monthly Partner Event, faculty and students can also apply to speak at other IGEN partner events, including international conferences, webinars, and industry forums. Selected speakers will have the opportunity to present their work to a global audience, gaining visibility and recognition within the sustainability community.

**Benefits:** Enhanced professional development and visibility for faculty members and students. Opportunities to build credibility as thought leaders and experts in sustainability. Networking with fellow researchers, industry professionals, and sustainability advocates.

✔ **Event Participation** To ensure continuous engagement and participation of partner institutions in IGEN events throughout the year.

**Annual Event Calendar:** Partner institutions will receive an annual event calendar at the beginning of each year, outlining all IGEN events scheduled from January to December. The calendar will include international conferences, webinars, workshops, competitions, and recognition ceremonies, allowing institutions to plan their participation in advance.

**Participation Process:** Faculty members and students are encouraged to actively participate in these events by attending sessions, presenting research, and engaging in discussions. Institutions can nominate representatives to attend key events, ensuring that their contributions and achievements are recognized on a global platform.

**Benefits:** Continuous engagement with the global sustainability network, fostering collaboration and knowledge exchange. Opportunities to showcase the institution's achievements, research projects, and green initiatives. Strengthened relationships with industry partners, policymakers, and fellow academic institutions.

## ✔ **Summary**

The Partner IGEN Events and Speaker Opportunities initiative empowers academic institutions to play an active role in the global sustainability movement. By collaborating with UNDESA partner organizations, co-hosting flagship conferences like IGEN ENERGATHON and IGEN ENVIRONTHON, and participating in monthly events, institutions can showcase their research, share insights, and connect with global thought leaders. Guaranteed speaker opportunities for faculty and students ensure that their contributions are recognized, while invitations to all IGEN events provide continuous engagement and networking throughout the year. This initiative not only enhances the institution's reputation but also inspires its members to become leaders in sustainability and innovation.

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## 09) IGEN AWARDS AND APPRECIATIONS



The IGEN Awards and Appreciations program recognizes the contributions and achievements of staff, students, and partner institutions in advancing sustainability and environmental conservation. Through a series of prestigious awards, IGEN acknowledges efforts aligned with the United Nations Sustainable Development Goals (SDGs) and promotes a culture of excellence in green practices. These awards are presented annually, celebrating innovation, dedication, and impactful actions that contribute to a more sustainable world.

✔ **IGEN Sustainability Champion Awards** : To recognize individuals who have made outstanding contributions to sustainability, environmental conservation, and the promotion of SDG goals.

**Eligibility:** Open to all staff and students from IGEN partner institutions. **Nomination Process:** Staff and students can submit their nominations through the IGEN JUNCTION portal. Nominations must include a detailed description of the nominee's achievements, their impact on sustainability, and alignment with SDG goals. Supporting evidence such as project reports, photographs, and testimonials should be included.

**Evaluation Criteria:** Innovation and creativity in promoting sustainability. Tangible outcomes and measurable impact. Alignment with specific SDG goals (e.g., energy conservation, waste reduction, climate action). Contribution to the institution's sustainability initiatives and community engagement.

**Recognition:** Award recipients receive a Certificate of Excellence and a Sustainability Champion Medal during the annual IGEN Awards Ceremony. Their achievements are featured on the IGEN website and social media platforms, providing global recognition.

✔ **Best Outgoing Students** : To honor students who demonstrate exceptional performance and commitment to sustainability and green practices, aligning with SDG goals.

**Eligibility:** One student from each department of every IGEN partner institution is selected as the Best Outgoing Student. **Selection Process:** Department heads nominate students based on their academic performance, involvement in sustainability projects, and leadership in promoting green practices. Nominees are evaluated based on their contributions to campus sustainability initiatives, participation in IGEN projects, and alignment with SDG goals.

**Recognition:** Selected students receive a Best Outgoing Student Award certificate, a medal, and a letter of appreciation. Their names are published on the IGEN website and highlighted during the institution's graduation ceremony.

✔ **Best Volunteers** : To acknowledge the dedication and contributions of volunteers who actively support IGEN's sustainability initiatives and UN International Day events.

**Eligibility:** Open to all volunteers from IGEN partner institutions who participate in sustainability projects, awareness campaigns, and community engagement activities. **Nomination Process:** Faculty coordinators and student leaders nominate volunteers based on their commitment, initiative, and impact. Nominations must

include a brief description of the volunteer's contributions, supported by evidence such as photographs, event reports, and testimonials.

Recognition: Outstanding volunteers are honored during the IGEN UN International Day Awards Ceremony, held annually on December 5th. Awardees receive a Certificate of Appreciation, a Volunteer Excellence Medal, and an official letter of recognition.

✔ **Best Partner Institution** : To recognize the partner institution that demonstrates the highest level of engagement and performance in IGEN activities, including sustainability projects, industry collaborations, and community outreach.

Eligibility: Open to all IGEN partner institutions. Evaluation Criteria: Number and quality of sustainability projects completed. Active participation in IGEN events, conferences, and UN International Day activities. Success in aligning academic programs and research initiatives with SDG goals. Impact of industry collaborations, student internships, and green initiatives.

Recognition: The winning institution is presented with the Best Partner Institution Award during the annual IGEN Awards Ceremony. The institution receives a Trophy of Excellence, a certificate, and official recognition on the IGEN website and social media platforms. The award enhances the institution's reputation as a leader in sustainability and strengthens its partnerships with industry and academia.

✔ **IGEN ENSAVER Awards** : To celebrate contributions to energy conservation and sustainability within the framework of the IGEN ENSAV Club.

Eligibility: Open to all staff and students who are active members of the IGEN ENSAV Club. Nomination Process: Members can submit their nominations through the IGEN JUNCTION portal, highlighting their achievements in energy-saving projects and green initiatives. Nominations must include a detailed description of the project, its objectives, measurable outcomes, and alignment with SDG goals. Supporting evidence such as project reports, energy savings data, photographs, and testimonials should be included.

Evaluation Criteria: Innovation and creativity in promoting energy conservation. Quantifiable energy savings and environmental impact. Contribution to campus sustainability and community engagement. Alignment with SDG 7 (Affordable and Clean Energy) and SDG 13 (Climate Action).

Recognition: Awardees receive a Certificate of Excellence, an IGEN ENSAVER Medal, and a Carbon Credit Certificate recognizing their contributions to reducing carbon emissions. Their achievements are showcased during the IGEN ENSAV Club Annual Day and featured on the IGEN website and social media platforms

Annual Awards Ceremony :The IGEN Awards and Appreciations are presented during the annual IGEN Awards Ceremony, a prestigious event that brings together representatives from partner institutions, industry leaders, and sustainability advocates. The ceremony celebrates the achievements of individuals and institutions who have made significant contributions to sustainability, inspiring others to follow their example.

### ✔ **Summary**

The IGEN Awards and Appreciations program plays a vital role in recognizing and celebrating excellence in sustainability, energy conservation, and green practices. By honoring outstanding individuals, students, volunteers, and institutions, IGEN encourages continued innovation and dedication to achieving the SDG goals. Through this program, IGEN aims to inspire a global community of sustainability champions committed to building a greener and more sustainable future.

**TO PROCESS MEMBERSHIP  
APPLICATION**

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17 PARTNERSHIPS FOR THE GOALS

