SDG MANDATORY ANNUAL REPORT SENT ON 27 FEBRUARY 2021

Contact Information

* First name <mark>(max 127 characters including spaces)</mark>

Dr Anushree

* Last name <mark>(max 127 characters including spaces)</mark>

Lokur

*Organization's name

Ramnarain Ruia Autonomous College

* Organization website

https://www.ruiacollege.edu

Title <mark>(max 255 characters)</mark>

Principal

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princpal@ruiacollege.edu

Basic Information

* Title of practice <mark>(max 255 characters including spaces)</mark> *Please do not add names of persons here.*

To create awareness about SDG 2030 through webinars and projects

* Lead entity name <mark>(max 255 characters including spaces)</mark>

Ramnarain Ruia Autonomous College

* Lead entity type (select **one** by clicking in the box)

☐Government

☐Local/Regional Government

☐United Nations/Multilateral Body ☐Intergovernmental organization ☐Non-governmental

Organization(NGO) ☐Civil society organization

☐Academic institution…yes

☐Scientific community

☐Private sector

☐Philanthropic Organization

☐Other relevant actor

☐Partnership

* Region (Focus of the Practice - **select all that apply**) ☐Africa

☐Europe

☐Asia and Pacific yes

☐North America

☐Latin America and the Caribbean

☐West Asia

☐Global

* Country (Focus of the Practice)

India

Geographical coverage <mark>(max 255 characters including spaces)</mark>
Please, reply here if your practice is implemented in more than one country. Please, also indicate if your practice is implemented at sub-national level and where.

It is implemented at local level in Mumbai, India.

* Is this a multi-stakeholder partnership? A multi-stakeholder partnership is "an ongoing collaborative relationship among organizations from different stakeholder types aligning their interests around a common vision, combining their complementary resources and competencies and sharing risk, to maximize value creation towards the Sustainable Development Goals and deliver benefit to each of the partners". (**Yes/No**).

No

* Sustainable Development Goals

Please select which Sustainable Development Goal(s) the initiative is working towards
(please select **all that apply**)

GOAL 1: No Poverty
GOAL 2: Zero Hunger. yes
GOAL 3: Good Health and Well-being. yes
GOAL 4: Quality Education
GOAL 5: Gender Equality yes, yes
GOAL 6: Clean Water and Sanitation--yes
GOAL 7: Affordable and Clean Energy--yes
GOAL 8: Decent Work and Economic Growth
GOAL 9: Industry, Innovation and Infrastructure

GOAL 10: Reduced Inequalities
GOAL 11: Sustainable Cities and Communities --yes

GOAL 12: Responsible Consumption and Production --yes

GOAL 13: Climate Action

GOAL 14: Life Below Water

GOAL15:Life on Land -yes

GOAL 16: Peace, Justice and Strong Institutions

GOAL 17: Partnerships for the Goals

* Dates of the practice - Start Date & Date of Completion

DD/MM/YYYY – Start Date 20.07.2020,
DD/MM/YYYY – Date of Completion (If ongoing, choose an expected date of completion:
21/02/2021

Was this practice approved for the First Open Call of SDG Good Practices?

*If the practice was already approved and published in the SDG Good Practices database,
there is no need to re-submit during the second open call. However, if there are important or
critical updates to the practice, a new application could be submitted. Please, check if your
practice was submitted here:* https://sustainabledevelopment.un.org/partnership/browse/ *.*

• YES • NO

No

[ONLY THOSE REPLYING 'YES' TO THE QUESTION ABOVE]

If the Practice was approved in the First Open Call, please, add the name of the practice here:

Please, note that any updates submitted through this form will replace the current content on the SDG Good Practices databank.

NA

If the Practice was approved in the First Open call, please, add the link to the Practice below.

NA

https://sustainabledevelopment.un.org/partnership/browse/

Practice from the SDG Good Practices databank.

Details

* Introduction <mark>(Max 700 characters including spaces)</mark>

What the practice is about; brief description of background, context and beneficiaries.

Being first year as member of SDG Accord, the College focused on awareness of SDGs, so webinars were conducted on topics like, SDG, Conservation of Forest and Mangrove Ecosystem, Energy generation from biological sources, Sustainable Agriculture, Organic farming, Gender Issues, Impact of Bathing Space on Lives of Rural Women.

Online survey and few experiment based projects were conducted on topics like, Digital detox, Perspective on happiness, water pollution, plastic and e-Waste, consumer behaviour towards e-Vehicles, menstrual products and disposal methods, preparation of eco bricks, ethanol, fertilizer, paper from household waste.
The beneficiaries were students, faculty and participants.

* Objective of the practice <mark>(Max 850 characters including spaces)</mark>

Objective of the practice: Distinguishing feature(s) making it an effective response to the 2030 Agenda and the SDGs (e.g. integration of environmental, social, economic indicators; design for acceleration of progress or for reaching the furthest behind; interlinkages among the SDGs and targets; institutional changes; other innovative change in line with the transformative spirit of the 2030 Agenda., etc.

To spread awareness of mangrove forests, flora, fauna, threats, challenges, inculcate tree consciousness. Make students realise how sustainability can be achieved in routine activities, about sanitation in rural areas, create empathy for each other, provide research orientation, selecting research topic related to needs of society. Address issue of waste, look for alternatives like gel based edible water balls to eliminate need for plastic, recycling plastic by converting it to bricks, reduce carbon emissions from cement. Raise awareness about

composting of wet waste, switching to e-vehicles to lower environmental impact. Find simpler method for fermentation of biomass to make bioethanol for transport fuels, prepare bio-fertilizer using household waste, paper from fibrous waste, replace toxic acid base indicators with plant based ones.

* Contribution to SDG Implementation <mark>(Max 600 characters including spaces)</mark>

Provide information about how the practice has been framed/adapted/tailored to support the SDGs and how it is contributing to the implementation and follow up of the 2030 Agenda. Practices that initiated before January 2016 MUST inform how they have been adjusted to incorporate the SDGs.

Creating awareness about SDGs was our prime focus and activities were adapted to support 2030 Agenda. Awareness is the first step towards bringing about change in the society.

Webinars related to gender sensitization, forest ecosystems, sustainable farming and clean energy were conducted. Projects were based on waste management, sustainable cities, responsible consumption and health and well being. This helped in reaching out to many stakeholders and making them aware about various issues dealt with in the activities.

* Implementation of the Project/Activity <mark>(Max 1800 characters including spaces)</mark>
How the project/activity has been applied and executed. Should include information about planning and execution (activities) of the project. Should inform if monitoring mechanisms are in place. Should list resources utilized in the project, including financial, in-kind and human resources.

Students were involved in planning and executing the activities. Webinars were conducted online.
Speaker for Mangroves-Mr. Hemant Karkhanis, Associate Manager in Mangrove Department, Construction Business Unit of Godrej and Boyce. For Van Mahotsav - Dr. Shashirekha Suresh Kumar. For SDG-Dr M.N.V.Prasad.
Dr. Aditya Sarnaik, Postdoc Research Associate, Arizona State University,USA 'Fundamentals and Scope of Sustainable Bioenergy Research'. Ms Vaishnavi Pawar, B.A. Eco, Ramanarain Ruia Autonomous College, MSc Agribusiness Economics, Gokhale Institute of Politics and Economics, Pune, 'Bathing Spaces'. Dr Geetali V.M. (Retd. Faculty, Department of Chemistry, Fergusson College, Pune, Founder Member and Advisor of Nari Samata Manch since 1985 and Ms Meena Seshu (Master in Social Works, TISS, General Secretary of Sampada Grameen Mahila Sanstha, (Health and Human Rights NGO)- 'Gender issues'.

For survey based projects, Google forms were created, circulated amongst groups. Data analysed and interpreted. Public awareness was raised by means of online surveys and infographics. Data was provided to local municipal bodies to decide a plan of action.

Eco-bricks were made by compressing single-use plastics waste. Bagasse was collected, acid-breakdown step was avoided, baker's yeast was used for fermenting.

Fertilizer prepared from finely divided household waste, suspended in rice water, added culture ,left undisturbed for two weeks. Resulting slurry was centrifuged, centrifugate used as

fertilizer. Fibres were blended, digested in alkali, neutralized with acid and set into paper moulds. Beetroot extract was prepared, results compared with conventional acid base indicators.

Financial resources were obtained from College Management to remunerate resource persons and for project requirements.

* Results/Outputs/Impacts (Max 1000 characters including spaces)
What are the evidence-based results and outputs (quantitative and qualitative) arising from the practice and how are they contributing to SDG implementation? Explain changes in status and trends (e.g. with relation to individuals, families or geographic areas). Unanticipated spill-overs - positive and negative, including how negative impacts were alleviated or mitigated. Longer term results to which practice contributes. Differential impacts including how to contribute to leaving no -one behind. Key messages including impact, what made the practice break new ground, and other lessons learned.

Students learnt about flora, fauna of mangrove ecosystem, composting, sustainable agriculture practices, carbon valorization, use of computer simulation, softwares Python, MatLab to analyze functional pathways, challenges faced by sex workers and transgenders, importance of making them part of the mainstream activities.

Digital Detox survey-Responders having high scores of digital dependency were suggested interventions, after following them, they were resurveyed, then they showed ($p<0.05$) significantly lower scores.

The survey projects increased public awareness, deterred disposal of solid wastes in rivers. They were made aware of segregating wastes, composting of wet wastes. Eco-brick product made was as strong as conventional bricks, used 500 g of plastic per brick. Biofuel process was optimized.

It was noted that the youth is willing to switchover to biodegradable alternatives, to purchase e-vehicles, is aware of sanitary napkin waste crisis, is willing to use menstrual cups.

* Beneficiaries, Key stakeholders and partnerships (Max 450 characters including spaces)
Provide information about beneficiaries of the practices, key stakeholders engaged, and partnerships developed.

No partnerships yet.

Beneficiaries-250-300 students, 100-120 Faculty of College attended webinars. The survey projects were each conducted by group of 2-3 students, (35-50 overall). The number of responders per survey project were 60-200, thus these surveys helped raise awareness amongst them about various aspects undertaken in the project.

Stakeholders- Faculty, UG, PG students of our College, Public surveyed by students, local municipal bodies.

* Enabling factors and constraints (Max 650 characters including spaces)

Please, go to identify the link to your Enabling conditions that helped the practice to succeed, including but not limited to financing, investment, technology, human resources and partnerships. Specific constraints that needed to be overcome during implementation and how this was done. Innovations that the practice may have brought about, or new ideas/technologies/ways of thinking that it was able to leverage. Cost/efficiency implications - benefits relative to costs.

This was the first year after becoming member of SDG Accord in June 2020. Due to lockdown, online webinars were conducted, no constraints were encountered, larger audience could be involved. The talks pointed out innovative activities and research projects which can be developed in the coming year.

Very few experiment based projects were performed, hence limited cost was involved. Due to lockdown there were constraints of actual experiment based research projects.

New ideas have taken roots and better plans for coming year. For scaling up and widening the scope of the projects, funding will then become a constraint.

* Sustainability and replicability (Max 1000 characters including spaces)
Elements that are in place to sustain outcomes of the practice. Explain if/how the practice could be replicated to support SDG implementation in other places. Present any plans for extending the practice more widely or encouraging its adoption in other contexts.

College has installed 50 kW solar panel that accounts for about 14.3 % of the campus' power requirement. A biogas plant has been set up in campus fed by organic waste from College canteen with regular feeding and maintenance undertaken by students. The biogas harnessed is provided to the canteen. College plans to do energy audit.

College intends to explore dimensions of human health and well- being through survey and activities. Production of Eco-bricks, Biofuel, Biofertilizer, Paper can be further scaled up, plans to do more such projects. Continue to raise public awareness about waste management, segregation at source and widen its scope by Infographics. Promotion of thrifting as opposed to constant buying and disposing. Successful projects may be published, presented in conference or demonstrated in nearby colleges, societies so that they can be replicated elsewhere. Videos can be made and shared too. College has planned to embed SDG in curriculum at the First Year for students.

* COVID-19 Impact and Support in building back better (Max 800 characters including spaces) Please, indicate if COVID-19 has impacted the implementation of this practice and any mitigation measures put in place. Please, also indicate how this practice can support in efforts to building back better from COVID-19 impacts.

Webinars were conducted using online platform hence COVID-19 has not impacted their organization.

Very few practical experiment based research projects could be done because of the lockdown, mostly online survey based studies were undertaken. Good participation of

stakeholders was received in these surveys. Through them College could reach out to people and bring about a lot of awareness of various aspects studied in the survey.

College intends to utilize physical infrastructure for wider dissemination and awareness about SDG, embed SDG in curriculum, scale up successful projects, encourage more participation of students and other stakeholders, work in partnerships, put in focused efforts unanimously thus bringing about a meaningful contribution to the targets of 2030 Agenda.

* Other sources of information <mark>**(Max 600 characters including spaces)**</mark>
Related websites, published articles or news stories, formal assessments, guidance notes or other documents that have drawn upon the practice. Links to YouTube videos and social media.

Results of Digital detox project are not published yet but the student participated in Students` Research Congress on 29 Sept 2020 and International Web Conference on 'The Pandemic Turn', Mumbai, India on 25 and 26 Feb 2021 by presenting an E-poster, thus disseminating the findings and perspectives gained through this project to a wider audience.

Film made by College on World Environment Day

https://youtu.be/1zyAfwPAlDA

Recorded talk

https://drive.google.com/file/d/1mOVIiB4m2BcpBwId91m-tXab29KJRwzp/view?ts=60156488

Google forms for some of the projects:

https://docs.google.com/forms/d/1szV3nW1OB246hIbO9atFVwvdjPD-lANRcALhrooH81U/edit?usp=drivesdk

https://forms.gle/RbKHTcT2rpLE1fo87

https://docs.google.com/forms/d/e/1FAIpQLSdChZPd6gxkGTKh0v7l2ul057WU-L431K1SgGGZxouNeVobLg/viewform?usp=pp_url

Link of lecture on Terrace Gardening

https://drive.google.com/file/d/17FceXKzT7hCD8zeS6eYBMyigvWzqINSg/view?usp=sharing

Link for SDG talk feedback

https://docs.google.com/forms/d/1LqbxFiDL-wIhHBbk8GmZNEGfGZefPOCnXj6H4kaz7g0/edit?usp=sharing

Link of the webinar feedback response:

https://docs.google.com/spreadsheets/d/1OymnJBJb7jKtUhGXjdnoqhlXeIClcHv6siDx-OZHTyU/edit?usp=sharing

Optional photos that illustrate the good practice

Please include no more than 3 images. Pictures should include a brief description and credit. (Only image files (e.g.: .png, .jpg) will be accepted)

Dr Anushree Lokur,
Principal
Ramnarain Ruia Autonomous College