

DIT University Event Report

SDG 6



The advancement of the society in this age is only possible with mutual cooperation, collaboration, extending help to each section of the society and sharing of resources. The efficiency of achieving the SDGs become more while working in collaboration than an individual. This is true whether it is applicable for a person or an organization or a country. Wastage of resources must be zero and at the same time abundant resources must be generously shared with those not having access. This mutual cooperation is the fundamental principle of sustainability with involvement and participation of all. UN SDG17 aims to revitalize the global partnership for sustainable development. In line with UN SDG principle DIT University firmly believes in collaboration be it in research or resource sharing or implementation of its work culture not only inclusive but exclusive of University premises. The supportive and flexible work culture of DIT University essentially lies on the proposition of trust-integrity, employee engagement-opportunities, respect-fairness.

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Off Campus Activities addressing SDG 6: Clean water and sanitation

Significance of SDG 6

SDG 6: Clean Water and Sanitation

Water is essential requirement of life. If water is pure it can sustain lifeforms on the other aspect, polluted water is the cause of disaster. UN SDG 6 promotes ‘Clean Water and Sanitation’ ensuring access to water and sanitation for all. All stakeholders of society are having the fundamental rights to access this resource in easily accessible and clean form. Also the society must ensure the water as resource must not be polluted by human activities. Wastage must be eradicated. At present, it is becoming very difficult to obtain sufficient quantity and good quality water. All this is due to unscientific usage. Also the resource is continuously diminishing at various sources and going out of access to certain sections of society. So it is our duty to ensure the sustainability of water through pollution mitigation, judicious usage and environmental awareness. DIT University promotes this objective through its policy of sustainable water usage, reuse of waste water, conservation principle and promoting same through research and outreach activities.

DIT University Annual Activity Report

DIT University organizes various events and activities throughout the year on “**Clean water and Sanitation**” that include Club activities, outreach events, webinars, guest lectures, conferences, community reach programs, social-environmental-health awareness events which are documented in Annual report. The SDG specific events from annual activity report are presented here. This activity reports are always uploaded in website open for public information.

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Off Campus Activity, Community Outreach Program

(Awareness about Technological aspects of Engineering fields for Sustainable Solutions)

Name of the Event Coordinator/Convenor: Mr. Abhinav Nanda	Name of the Event: Awareness about Technological aspects of Engineering fields for Sustainable Solutions
Name of the Collaborator (if any) : Local school at Dehradun	Name of The Resource Person (Multi entry in case of more than one resource) :
Start Date and End Date : 07 March, 2022	No. of Participant (Students and Faculty): 45

DETAILS ABOUT THE EVENT:

Event Description
<p>Brief text with introduction, event details, content and outcome:</p> <p>Activities related to SDG 6:</p> <p>Modern cities are facing challenges regarding shortage of natural resources and extreme pollution in air, water, soil. Water pollution is so threatening to life that it causes so many water Bourne diseases and deaths every year. Engineer and scientists must come forward for preservation of water resources as freshwater is becoming less and less in available and consumable quantity. Quality is further decreasing due to pollution. So the water harvesting and water conservation principles must be taught at school level only. DIT University arranges such orientation sessions for school children about latest technological solutions for solving water crisis. Also Students were guided for future career aspects in these fields.</p>

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Photograph of the event.



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Off Campus Activity, Community Outreach Program

(Application of AI-ML for analysis of Environmental and Climate data)

Name of the Event Coordinator/Convenor: Mr. Rohin	Name of the Event: Application of AI-ML for analysis of Environmental and Climate data
Name of the Collaborator (if any) : Local school at Dehradun	Name of The Resource Person (Multi entry in case of more than one resource) :
Start Date and End Date : 08 th June, 2022	No. of Participant (Students and Faculty): 35

DETAILS ABOUT THE EVENT:

Event Description
<p>Brief text with introduction, event details, content and outcome:</p> <p>Activities related to SDG 6:</p> <p>Current world needs technological solutions at its best. Data analysis and interpretations are very much being applied for flood analysis, environmental 2D, 3D, 4D analysis, global water recharge and water storage. Machine learning algorithms, AI-ML are very much applied for this type of analysis so that water conservation and water management can be best done by city planners by analysing climate variables, recharge data and soil data. Students must be oriented for these techniques to be able to give future sustainable solutions. DIT University frequently arranges this type of expert sessions with local school students to become best technocrats and scientist in these domains to give solutions to environmental issues.</p>
<p>Photograph of the event.</p>

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