



Environmental Policy

Govt. Madhav Science College Ujjain

(Policy Inspired and Framed in accordance to the State Environmental Policy)

Adopted

AUGUST 2008

Reviewed

August 2013

Reviewed August 2018

PREAMBLE

1.1 Life obtains its sustenance from the environment. The quality of life is linked with the quality of environment. Therefore, it is necessary to ensure that the demand on the environment does not exceed its present and future carrying capacity. Such a concept of environmental conservation has been an integral part of Indian culture since time immemorial.

1.2 Provision for environmental protection has been laid down in the Directive Principles of State Policy in the Constitution of India by assigning the duties for the State and all citizens through Article 48A and Article 51A (g) which state that the 'State shall endeavour to protect and improve the environment and to safeguard the forests and wildlife in the country' and 'to protect and improve the natural environment including forests, lakes and rivers and wildlife, and to have compassion for the living creatures'.

1.3 The progressive pressure on the environment witnessed in the recent past has worsened the standard of living of the vast multitude of people who are directly dependent on natural resources. In this context, it is imperative to give a new dimension to the environmental conservation programme incorporating action plans in compliance of national and international commitments.

1.4 The State Environment Policy seeks to lay down guidelines that will facilitate development while ensuring environmental conservation yet without hampering the present and future development imperatives.

1.5 It shall be the endeavour of the State and its subordinate State agencies to implement the policy document being, enunciated.

Institution being subordinate state agency declares hereby to abide by the policy in totality as and when applicable to do so.

ACTION TAKEN: STATE ROLE

Consequent upon the enhanced awareness after Stockholm Conference on Human Environment in 1972, various regulatory and promotional measures have been taken for environmental protection and sustainable development in the country and in the State, the major ones of which are listed below. The responsibility of implementing most of the Central Acts lies on the State Government.

3.1 Policies

- i. The National Forest Policy, 1988
- ii. The National Water Policy, 1990
- iii. Indian National Policy Statement for Abatement of Pollution, 1992
- iv. National Conservation Strategy and Statement on Environment and Development, 1992
- v. Madhya Pradesh Industrial Policy and Action Plan, 1994
- vi. Madhya Pradesh Housing Policy, 1995
- vii. Madhya Pradesh Mineral Policy, 1995
- viii. Madhya Pradesh Tourism Policy, 1995
- ix. Madhya Pradesh Rehabilitation Policy (Guiding Principles of State Policy for Equitable and Sustainable Development), 1996.

3.2 Legal

- i. The Indian Forest Act, 1927
- ii. The Motor Vehicles Act, 1939, amended in 1988
- iii. Factories Act, 1948, amended in 1987
- iv. The M P Public Health Act, 1949
- v. The M P Control of Music & Noise Act, 1951 MP State Environment Policy 1999
- vi. The M P Municipal Corporation Act, 1956; The Municipalities Act, 1961; and the M P Nagar Palik Vidhi (Sansodhan) Adhiniyam, 1995
- vii. Mines and Minerals (Regulation and Development) Act 1957, amended in 1986
- viii. The Wildlife (Protection) Act, 1972, amended in 1983, 1986 and 1991
- ix. The M P Nagar Tatha Gram Nivesh Adhiniyam, 1973 amended in 1994

- x. The Water (Prevention and Control of Pollution) Act, 1974, amended in 1988
- xi. The M P Slum Area (Improvement & Clearance) Act, 1976
- xii. The Water (Prevention and Control of Pollution) Cess Act, 1977, amended in 1991
- xiii. The Forest (Conservation) Act, 1980, amended in 1988
- xiv. The Air (Conservation) Act, 1980, amended in 1988
- xv. The Air (Prevention and Control of Pollution) Act, 1981, amended in 1987
- xvi. The Environment (Protection) Act, 1986
- xvii. The Public Liability Insurance Act, 1991, amended in 1992
- xviii. National Environmental Tribunal Act, 1995.

3.3 Institutions

- i. State Environmental Council
- ii. Department of Housing & Environment
- iii. Environmental Planning & Coordination Organisation
- iv. Directorate of Town & Country Planning
- v. M P Pollution Control Board
- vi. Disaster Management Institute
- vii. Department of Forest MP State Environment Policy-1999
- viii. Department of Agriculture
- ix. M P Council of Science & Technology
- x. State Wildlife Advisory Board
- xi. Urja Vikas Nigam
- xii. Rajeev Gandhi Sanitation Mission
- xiii. Rural Development Department Development of Watershed Area & Wasteland
- xiv. Regional Museum of Natural History
- xv. Water and Land Management Institute
- xvi. State Forest Research Institute
- xvii. Department of Water Resources Development
- xviii. Department of Public Health Engineering

TRAINING, AWARENESS & OTHER ACTIVITIES (COLLEGE FOCUS)

Implementation of National Environmental Awareness Campaign in the Institute

- ii. Training programmes, workshops and seminars for building up professional competence and for creation of awareness
- iii. Constitution of Paryavaran Vahinis and Environmental Conservation Corps as voluntary action groups
- iv. Surveys and Research
- v. Preparation of Environmental Status Report / audits of the Institute periodically
- vi. Preparing volunteers with enough knowledge resource to create awareness and work for Conservation of sensitive areas around historical monuments
- vii. Promotion of Nonconventional energy through spreading awareness by dedicated task force created from teachers and student volunteers
- ix. Introducing Environment as one of the compulsory paper in UG program

GOAL

Integrated conservation and improvement of environment to ensure sustainable development.

AGENDA

- i. Each sectoral policy will promote the cause of environmental conservation and no sectoral policy will be in conflict with the State Environment Policy.
- ii. Development projects will ensure environmental conservation.
- iii. Promote positive intervention through public awareness and participation.
- iv. Encourage Research and Development in ecotechnology and environmental conservation.
- v. Develop manpower and appropriate organizational structure for integrated environmental management.
- vi. Integrated management of ecosystem to ensure conservation of biological diversity, genepool and other resources, viz., land, air and water.

STRATEGIES FOR ACTION

Check on Demographic Growth

Promotion of family welfare and female literacy programmes with emphasis on environmental sanitation, health, hygiene and social status of women.

NATURAL RESOURCES CONSERVATION

(Life Support System)

WATER

Encourage recycling of waste water and optimise conjunctive use of ground and surface water.

ii. Spreading Awareness about Water budgeting for rational allocation for domestic, agricultural, industrial and other uses; and for rural and urban populations.

iii. Spreading awareness about Measures against over exploitation of surface and ground water.

iv. Building of a network for assessment and monitoring of surface and ground water quality.

v. Conservation of wetlands and spreading awareness about the same for ensuring sustainable ecological and economic benefits.

vi. Ensure a system for integrated management of water resources.

vii. Measures against inflow of chemical hazardous laboratory waste and pesticides into the water bodies.

viii. Encourage and improve traditional methods of rainwater harvesting and storage

ix. Maintenance of green buffer zone at the fringe of water bodies and spreading awareness about the same

LAND

i. Adoption of a rational land use policy.

ii Improvement of waterlogged and saltaffected lands and command area by knowing the soil health

iii. Spreading awareness to ensure public participation in land use planning, wasteland regeneration, afforestation, soil conservation programmes etc.

iv Awareness about measures to ensure sustainable use of community land.

v Restoration and reclamation of degraded areas including ravines, weed infested areas, mined areas, overgrazed lands and degraded forests

BIOMASS & BIODIVERSITY

i Inventorisation of ecosensitive zones, biological resources and ethnobiological systems on campus and creating awareness about the same in the society

ii Creation of protected area network on campus, maintenance of green corridor on campus and proper maintenance of green cover on campus.

iii Regulatory protection of genetic resources with emphasis on indigenous, threatened and endangered species

iv Discourage monoculture practices and restrict introduction of exotic species without adequate investigation.

viii Research and Development for improvement of biological productivity, both terrestrial and aquatic and for development of alternatives to reduce dependence on wood.

IX Encourage research on conservation, propagation and use of generic plants like Neem.

x Participation in biological conservation programme under Convention on Biological Diversity. xi Spreading awareness about ecotourism in protected areas.

ATMOSPHERE

i Active participation in national programmes under Convention on Global Climate Change.

ii Rigorous regulatory control on the emissions from vehicles on campus.

iii Extensive plantation on campus and in neighbourhood urban and industrial air polluted zones

2018 REVIEW

In continuation following points should be taken care of :

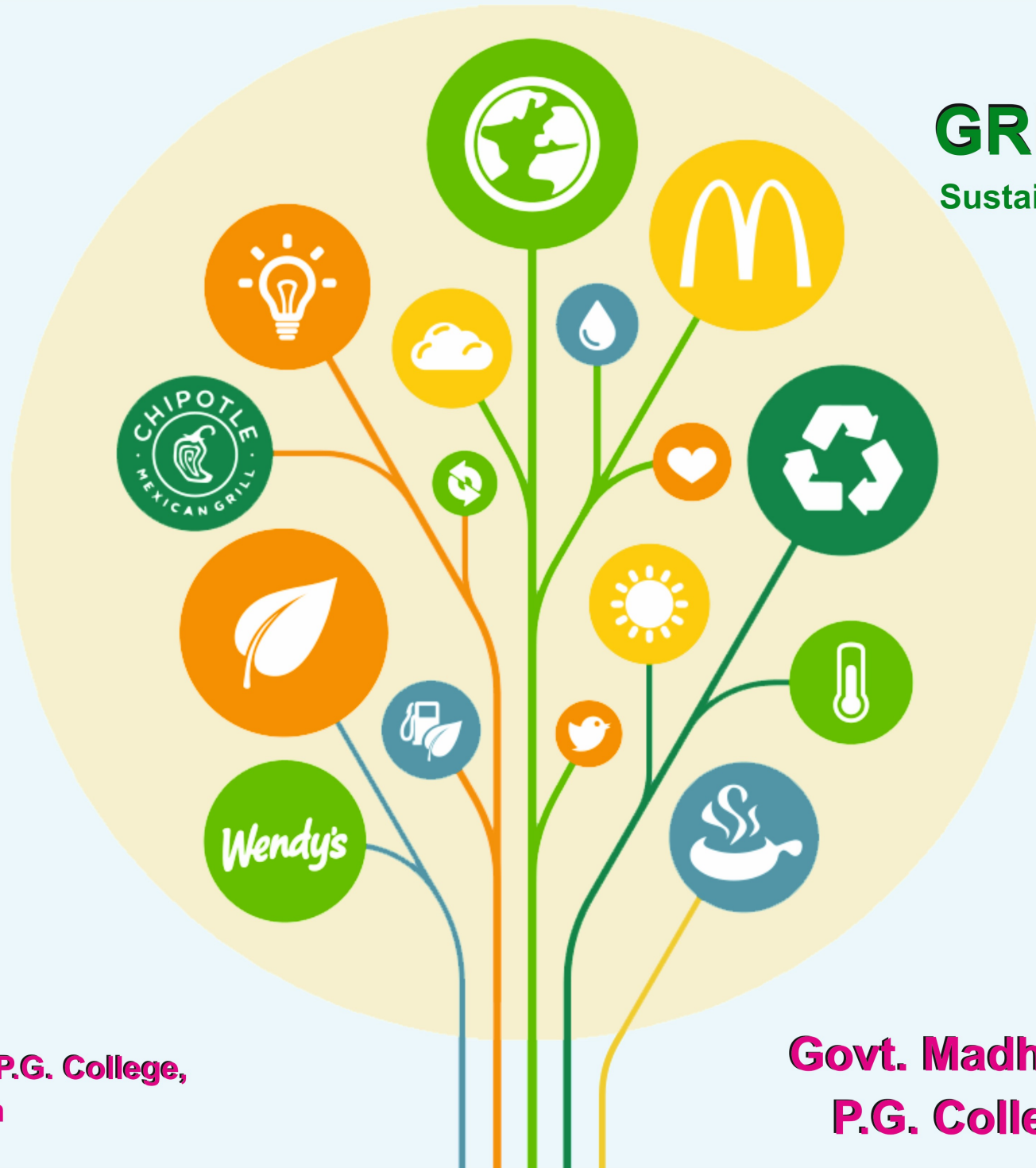
College should execute good audit practices like environmental audit, energy audit and green audit

Use of Renewable clean energy should be promoted on campus, Institute should adopt society awareness programmes and research programmes based on renewable energy

Energy saving devices like LED, Sensor based power saving devices and sensor based water flow devices should be used in the campus.

Equipment should be properly maintained and under Annual Maintenance contract to reduce Carbon footprints caused by such equipment.

College should switch to solar power generation and should utilize this clean power to conserve the environment.



GREEN AUDIT

Sustainability Assessment



2020

REPORT

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Govt. Madhav Science P.G. College,
Ujjain, Madhya Pradesh

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P.G. College, Ujjain

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GREEN AUDIT - 2020

GREEN AUDIT REPORT

2020

“SUSTAINABILITY ASSESSMENT”



**Govt. Madhav Science P.G. College, Ujjain,
Madhya Pradesh**

CITATION

Green Audit: Report (2020) Published by IQAC, Govt. Madhav Science P.G. College,
Ujjain, Madhya Pradesh, India



डॉ. मोहन यादव

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उच्च शिक्षा विभाग
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दिनांक 05/02/2021

// संदेश //

अत्यंत हर्ष का विषय है कि शाराकीय माधव विज्ञान स्नातकोत्तर महाविद्यालय, उज्जैन द्वारा महाविद्यालय परिसर का ग्रीन ऑडिट करवाया गया है।

महाविद्यालय नये-नये आयामों के साथ निरंतर प्रगति की ओर अग्रसर हो रहा है। ग्रीन ऑडिट का कार्य पूर्ण कर महाविद्यालय ने पर्यावरण जागरूकता के क्षेत्र में भी कदम बढ़ाया है। यह प्रेरणास्पद प्रक्रिया निश्चित ही नया कीर्तिमान स्थापित करेगी ऐसा मेरा विश्वास है।

इस प्रतिवेदन के प्रकाशन पर मैं महाविद्यालय के प्राचार्य, आंतरिक गुणवत्ता प्रकोष्ठ प्रभारी, समन्वयक ग्रीन ऑडिट एवं समस्त महाविद्यालय परिवार को बधाई देता हूँ और मंगलकामनाएँ प्रेषित करता हूँ।


(डॉ. मोहन यादव)



GREEN AUDIT - 2020

प्रो. अखिलेश कुमार पाण्डेय
कुलपति

Prof. Akhilesh Kumar Pandey
Vice Chancellor



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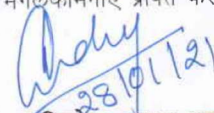
क्रमांक : 28 / कुल. कार्या. / 2021
दिनांक : 28.01.2021

मंगल सन्देश

यह अत्यन्त हर्ष का विषय है कि शासकीय माधव विज्ञान स्नातकोत्तर महाविद्यालय, उज्जैन द्वारा २०१८-१९ एवं २०१९-२० हेतु ग्रीन ऑडिट की प्रक्रिया पूर्णता की ओर है।

यह प्रक्रिया अकादमिक क्षेत्र में महत्वपूर्ण प्रतिमान स्थापित करेगी, ऐसा विश्वास है।

इस विवरणिका के प्रकाशन पर महाविद्यालय के प्राचार्य एवं समस्त शिक्षकगणों को मेरी ओर से हार्दिक बधाई एवं इसके सार्थक प्रकाशन के लिए हार्दिक मंगलकामनाएँ प्रेषित करता हूँ।


(प्रो. अखिलेश कुमार पाण्डेय)



GOVT. MADHAV SCIENCE P.G. COLLEGE UJJAIN M.P.

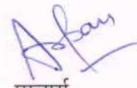
**A GRADE ACCREDITED THROUGH NAAC
DST-FIST COLLEGE**



Dr. Arpan Bhardwaj
Principal &
Chairperson IQAC

संदेश

स्थानीय, क्षेत्रीय एवं वैश्विक स्तर पर तेजी से शहरीकरण और आर्थिक विकास ने पर्यावरणीय और पारिस्थितिक संकटों को जन्म दिया है। पर्यावरणीय संधारणीयता (Environmental Sustainability) में महाविद्यालयों की भूमिका अत्यंत महत्वपूर्ण है। महाविद्यालय परिसर का ग्रीन ऑडिट पर्यावरण विविधता के विश्लेषण की एक प्रक्रिया है। यह एक उपयोगी साधन है जिसके आधार पर महाविद्यालय यह निर्धारित करता है कि ऊर्जा, जल एवं अन्य संसाधनों का उपयोग एवं संचय कैसे और कहाँ करें एवं आवश्यक परिवर्तनों को किस प्रकार लागू किया जाए। ग्रीन ऑडिट पर्यावरणीय समस्याओं को कम करने में महाविद्यालय की भूमिका दर्शाता है। महाविद्यालयों का यह सामाजिक दायित्व भी है कि वे कार्बन न्यूट्रल उपायों के माध्यम से ग्लोबल वार्मिंग को कम करने में अपना योगदान दें। इसी दिशा में कदम बढ़ाकर महाविद्यालय ने पर्यावरण दायित्वों के प्रति आत्म अवलोकन एवं आत्म मूल्यांकन भी किया है। आशा है इसके परिणाम महाविद्यालय के विद्यार्थियों एवं महाविद्यालय परिवार को पर्यावरण जागरूकता संबंधी मूल्यों एवं नैतिकता की बेहतर समझ विकसित करने में सहायक होंगे।


प्राचार्य
डॉ. अर्पण भारद्वाज



Vision

To be a value-driven Institute providing quality education in science which thrives for producing scholars with concern and care for environment and society that will best serve the nation in the 21st century.



Dr. Kalpana Virendra Singh
Professor Chemistry
Director Internal Quality Assurance Cell
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Message.....

This is an era of severe climate change and we are at crossroads finding balance between the developmental agenda and environmental protection. In the present scenario we at Govt. Madhav Science PG College Ujjain understand our responsibility to control carbon footprints through various activities. We have always been frontrunners while talking about Eco restoration steps, which is very evident from the stated vision of the college. College has always promoted the cause with various on campus and of campus drives like plantation in college and plantation along the banks of Narmada, with participation in river literacy drives, shun plastic campaign, Solar Panel usage for on grid electricity generation and biodiversity profiling of the college.

Internal quality Assurance Cell has always been clear on its stance of Green Audit and is a firm believer of its importance as environmental restoration technique. We at college are committed to use this green audit as a means to improve our performance towards environmental protection and standards in response to the climate change problems posed.

I as IQAC Coordinator feels proud and happy to dedicate this Green Audit report in the hands of all stakeholders, I am sure this report will lead us to campaign and guide ways not just to us but to all around us, to the students, society and academic fraternity around us.

I also congratulate Dr. C.P. Joshi & Dr. Gagan Matta from Gurukul Kangari Vishwvidyalaya and their team for the efforts taken to bring about this Green Audit Report 2018-19 & 2019-20 of Govt. Madhav Science P.G.College Ujjain in the present beautiful shape, and request all the stakeholders of the college to follow the proposed management plan suggested in the report to reduce the carbon footprints.

Dr. Kalpana Virendra Singh



Dr Shobha Shouche

Associate Professor, Zoology
Co-ordinator, Green Audit Cell
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Message...

Green audit, also known as environmental audit, is the process of identifying, assessing, reporting, and analysing the effects of an organization/establishment on the environment. If enforced properly, a green audit can help in determining the usage of our resources, and best ways to optimize these resources to minimize waste and generate cost savings. It can be said that the aim of green audit is to create responsibility and awareness regarding the environmental impact of the current practices, point out prevailing and forthcoming complications, which in turn can help us become more prepared to combat these challenges.

The main components under green audit are – Water, Waste Disposal, Energy, Environmental Quality, Health, Renewable energy, and Carbon Audit.

As mandated by The National Assessment and Accreditation Council, New Delhi (NAAC), Govt. Madhav Science P.G. College is submitting its first Green Audit Report for the year 2018-2019/2019-2020 and participate in our greater social responsibility towards environmental awareness.

In collaboration with our licensed auditors from Gurukul Kangadi University, Govt. Madhav Science P.G. College has been inspected on all sustainable metrics as per the requirements of The National Assessment and Accreditation Council, New Delhi (NAAC). Special thanks to Dr P.C. Joshi and Dr Gagan Matta from the entire team at Madhav College for their commendable efforts in preparing this report.

We hope that through the process of green audit, we will be able to authenticate the conformity of the environmental laws in our organization and develop an action plan to overcome the flaws in the future.

Dr Shobha Shouche



Core Committee: Green Audit – 2020

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<p>Prof. P.C. Joshi</p> <p>Dean, Green Audit Cell</p> <p>Gurukula Kangri Vishwavidyalaya,</p> <p>Haridwar – 249404, India</p>	<p>Dr. Gagan Matta</p> <p>Member Secretary, Green Audit Cell</p> <p>Gurukula Kangri Vishwavidyalaya,</p> <p>Haridwar – 249404, India</p>
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<p>Prof. I. S. Parmar</p>	<p>Dr. Shailja Acharya</p>
<p>Dr. Pushpa Jatwa</p>	<p>Dr. Jeevan Singh Solanki</p>
<p>Dr. Nitin Tiwari</p>	<p>Dr. Harsad Shamra</p>
<p>Mr. Ravikant Yadav</p>	<p>Mr. Pradeep Saini</p>



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ENVIRONMENTAL ACTIVITIES IN COLLEGE

ECO CLUB REPORT

Eco club has been active in the college since long by the name of Prithvi club, Environmental Planning & Coordination Organisation (EPCO) launched National Green Core scheme in financial year 2018-19 and with that the present Eco Club came into existence in the college. College was selected among 100 colleges in M.P. to establish ECO Club in the campus, a token amount of Rs. 5000/- was transferred electronically for the activities. Club has actively organized various activities to reduce carbon footprints in the college and for eco restoration collaborating with the flagship programme EEHSaS and ViSTAR on campus and off campus.

There are 50 registered student volunteers in the club who work on the level of planning execution and moderation, however club invites partnership from all students for its various activities and students participate in these activities. Participation in eco restoration activities on and off campus are never limited to 50 participants. Following activities are organized in collaboration with Flagship programmes in session 2018-19 and 2019-20

SESSION 2018-19: ON CAMPUS ACTIVITIES

- Dustbin implant in the college campus for segregation of dry and wet waste
- Shun Plastic campaign on campus
- Cleanliness drive around the session, removal of weeds in the garden
- Swacchta Shapath to the college students. During swacchta pakhwada from 2nd October 2018
- Plantation drive on campus in the month of August, September and October. Plantation of Students on the occasion of their birthday
- Essay competition Slogan Competition, short skit competition and save the tree campaign
- Ozone day celebration in the month of September
- Lecture Series on climate change and environmental protection

Lectures by Dr. Shashi Joshi, Dr. Shakuntala Pandey, Dr. Jeeven Singh Solanki

- Best out of waste competition in the college. Students prepared articles from paper Mache. Paper mache workshop for students to manage solid waste
- Round Table discussion on Chemical hazard management: Importance and how. Department of Chemistry and ECO Club
- Mitti ke Ganesh Karyashala to educate students about pollution control of water bodies.
- Water Resource management: Cleanliness drive around water bodies and water resources in the college by students
- Suggestions for the maintenance of Potable water bodies and filtration units in the college

OFF CAMPUS ACTIVITIES

- Participation of students in JAL Sammelan: A drive for water management white paper on River Shipra Under the leadership of Dr. Rajendra Singh The water man of India

- Cleanliness activities in the neighborhood community
- Cleanliness drive in the Adopted village. Awareness about pollution of water bodies.
- Plantation drive in the neighbourhood community and University campus.
- Shun Plastic campaign in the neighbourhood community

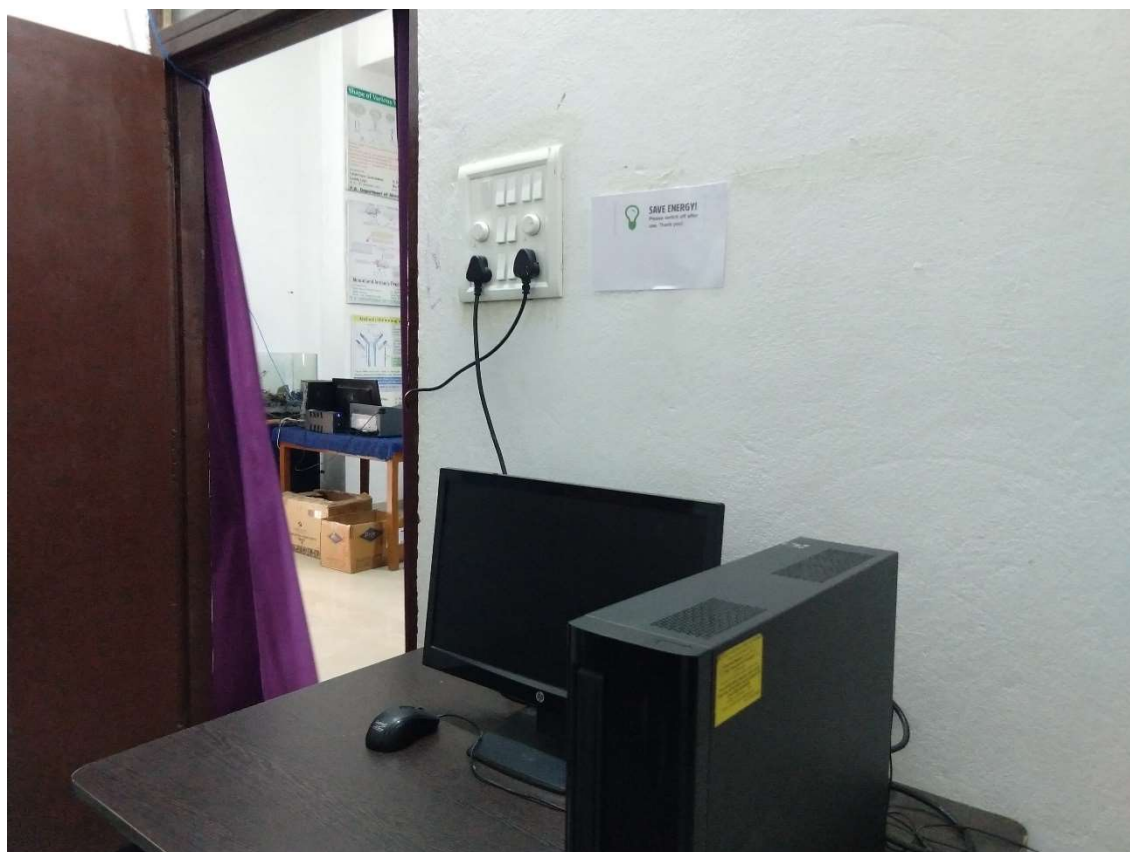
SESSION 2019-20: ON CAMPUS

- Celebration of Earth Day 2019 22nd April 2019
- Celebration of World Environment day 2019 5th June 2019s
- Plantation drive on campus in the month of August, September and October. Plantation of Students on the occasion of their birthday
- Cleanliness drive around the session, removal of weeds in the garden
- Essay competition Slogan Competition, short skit competition and save the tree campaign on the occasion of Hariyali Mahotsav
- Water Resource management: Cleanliness drive around water bodies and water resources in the college by students
- Ozone day celebration in the month of September 2019, 2020
- Lecture on Green elements of Periodic table on the occasion of International Year of Periodic Table 2019
- Lecture on “Stop Environmental Pollution adopt Green Chemistry” By Dr. Brijesh Pare Chairman ACT
- Lecture on Managing the blue Resource of Earth: Judicious use of water Resource
- Opening of International Year of Plant Health lecture on Plant health and Human Health by Dr. Sudha Mall
- Celebration of Earth Day 22nd April 2020 by preparing online flip file of posters sent online by students.
- National Webinar on “Challenges of sustainable development an inclusive Approach with Special reference to COVID Era” to Celebrate World Environment day 5th June 2020. Issues pertaining to the use of Renewable Energy specifically solar energy were discussed
- National Webinar on Economics and Ecology Chief guest Padma Bhushan Sh. Anil Prakash Joshi
- Social Project on impurity of Fluoride in drinking water of Ujjain
- “Climate change and it Impact on Health” discussion with Dr. M. Rajeevan Secretary ministry of Earth Science Govt. of India on you tube.

OFF CAMPUS (Till January 2020 only, activities suspended due to COVID)

- Cleanliness activities in the neighbourhood community
- Cleanliness drive in the Adopted village. Awareness about pollution of water bodies.
- Plantation drive in the neighbourhood community and University campus.
- Shun Plastic campaign in the neighbourhood community

























GOVT. MADHAV SCIENCE P.G.COLLEGE UJJAIN

A GRADE ACCREDITED THROUGH NAAC



Internal Quality Assurance Cell of Govt. Madhav Science P.G. College, Ujjain
INVITES YOU IN
WEBINAR ON

CHALLENGES OF SUSTAINABLE DEVELOPMENT: AN INCLUSIVE APPROACH WITH SPECIAL REFERENCE TO COVID ERA June 5th and 6th

INTERNATIONAL ENVIRONMENT DAY

SUPPORTED BY: N.G.C. CHAPTER, GOVT. MADHAV SCIENCE P.G.COLLEGE UJJAIN

SARS COV 2: Novel corona Virus has created an unforgettable impact across the globe. New Normals are set in, much has changed since the outbreak has emerged, each and every perspective of our life is redefined. Environment and sustainable development are no exception, section of intellectuals are turning their heads towards the practices adopted for modernization. There is a huge shout out NO TO DEVELOPMENT AT THE COST OF LIVES. We need to brainstorm to find new methodologies for sustainable development. We need to redefine practices whatever they are, we need to learn again about symbiotic and sustainable development. Govt. Madhav Science P.G.College Ujjain is organizing a two day WEBINAR on the occasion of International Environment Day 5th & 6th June 2020. Themes to be discussed among four sessions in two days are:

5th June 2020

Time : 2.30 p.m. - 5.00 p.m.
Clean and Green Energy for
Sustainable development
Safe planet: Symbiotic approaches

6th June 2020

Time : 2.30 p.m. - 5.00 p.m.
Inclusive Approach for
Sustainable Development
Water Resource management

ESTEEMED SPEAKERS

5th June 2020



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6th June 2020



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DR (MRS) JANAK PALTA MCGILLIGAN
IS AN INDIAN SOCIAL WORKER AND THE FOUNDING TRUSTEE
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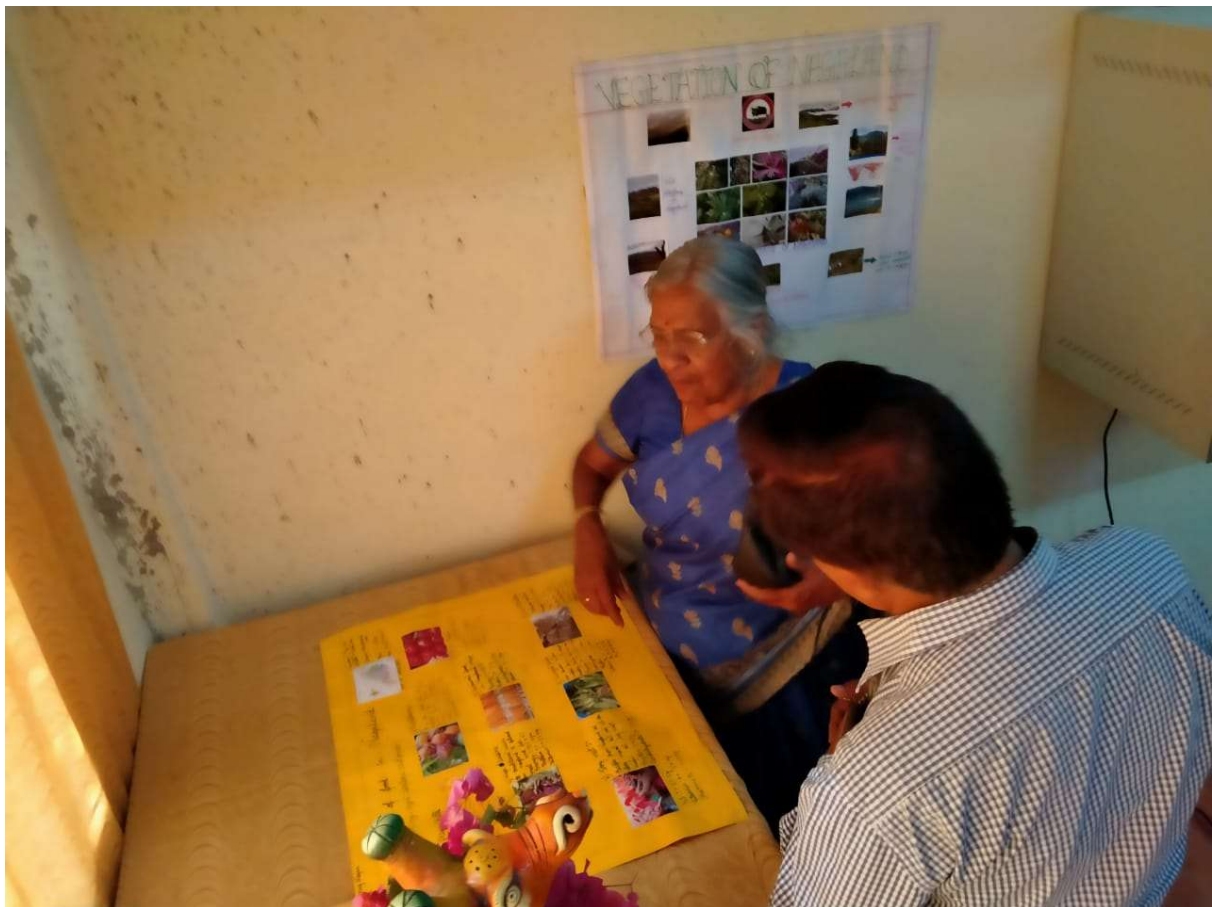
From :

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Principal













पर्यावरण संरक्षण हमारा दायित्व है। और उसे हम
निभायेंगे: हरियाली अमावस्या की आप सभी को
शुभकानाएं



Materials from Waste





ECOMMENDATIONS

On the basis of the present audit report, the committee has come to following conclusions/ suggestions:

- ❖ To conserve the energy and continues use of renewable energy along with street lights (if not in use).
- ❖ Though efforts are being made by College to install solar lights however it needs to be done at larger scale so as to use the solar power in place of electricity.
- ❖ To recycle and reuse the sewage wastewater, it is highly recommended to install a sewage treatment plant in the College campus
- ❖ There is a high need of implementing the water harvesting system in old buildings as well as in the new developing infrastructure facilities (if any).
- ❖ Although the number of LED are found but, it is recommended to replace all the tube lights and CFL with LED lights.
- ❖ To maintain the air quality of the campus there should be awareness drive to reduce the number of vehicles being used by student's/ faculty members.
- ❖ It is recommended that a solid waste dumping site to be created in College campus, along with involving Municipal Corporation of Ujjain District, so that all solid waste collected and taken to designated place.
- ❖ It is recommended that all the trees in the College campus must be labeled with botanical and common names with mentioning its use.
- ❖ It is the need of hour to conduct time to time workshops/ lectures to create awareness among the students and staff.
- ❖ To reduce the carbon foot print it is suggested that use of bicycle within the campus be encouraged.
- ❖ It is recommended to involve nearby villages and schools for all the future events to community mass awareness and continues people participation for conservation of environment in the region.

INTRODUCTION

Green Audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green audit of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analyse the potential duties and to determine a which can lower the cost and add to the revenue. Though Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit. Some of the incidents like Bhopal Gas Tragedy (Bhopal; 1984), Chernobyl Catastrophe (Ukraine; 1986), Exxon-Valdex Oil Spill (Alaska; 1989), have cautioned the industries that setting corporate strategies for environmental security elements have no meaning until they are implemented.

The term “Green” means eco-friendly or not damaging the environment. This can acronymically be called as “Global Readiness in Ensuring Ecological Neutrality” (GREEN). Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. Green accounting can be defined as systematic identification quantification, recording, reporting & analysis of components of ecological diversity & expressing the same in financial or social terms. “Green Auditing”, an umbrella term, is known by another name “Environmental Auditing”. The ‘Green Audit’ aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric carbon-di-oxide from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon Footprint reduction measures.

On the occasion of **World Environment Day - 2020** an initiative was taken by Govt. Madhav Science P.G. College, Ujjain and expressed its commitment to sustainability while forming a

committee to conduct audit of campus and its facilities. College has taken a number of positive steps to reduce its environmental impact. But many areas remain in which substantial improvements can be made. This report serves to highlight some accomplishments of and to make recommendations for improving the campus Green and environmental sustainability.

For the current Green Audit, the focused was made on following indicators, covering an extremely wide range of environmental impacts:

1. **Air Quality Audit**
 - a. Air Quality Indices
2. **Water Quality Audit**
 - a. Water quality
3. **Green Cover Audit**
4. **Human Activities**
5. **Environmental Practices Audit**
 - a. Build-up Environment
 - b. Energy Management
 - c. Water Resources and Management
 - d. Waste Management
 - e. Landscape Environment
 - f. Green Agenda in Syllabus
 - g. Transportation
6. **Eco-Club activities**

For each indicator, we establish a benchmark to evaluate College's overall performance. We examine the performance of college's on each of these indicators, and offer recommendations about how the campus can reduce its environmental impact within each indicator.

OBJECTIVES

Green Audit is assigned to the Criteria of NAAC, National Assessment and Accreditation council which is a self-governing organization of India that declares the institutions as Grade A, B or C according to the scores assigned are the time of accreditation.

The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmental friendly institute.

To conduct the Green Audit, the following objective were in focus:

- To establish a baseline of existing environmental conditions with focus on natural and physical environment.
- securing the environment and cut down the threats posed to human health.
- To make sure that rules and regulations in terms of environmental laws are taken care of.
- To understand the current practices of sustainability with regard to the use of water and energy, generation of wastes, purchase of goods, transportations, *etc.*
- To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost
- To suggest the best protocols for adding to sustainable development
- To promote environmental awareness through participatory auditing process
- To create a report that documents baseline of good practices and provide future strategies and action plans towards improving environmental quality for future.

Significance of Green Audit

One of the major threats arising from urbanization and increase in population on earth is over-development and unmanaged utilization of resources. To monitor this there are a number of environmental management techniques that can be used to minimize the effects of development. One of the techniques associated with environmental management programmes is that of Green Audit or Environmental Auditing. The purpose of this management tool is to measure the actual and potential environmental impacts in the ecosystems.

In the present time, the pollution is significantly increasing day-by-day due to the industries and factories. It is causing serious health problems to the human being and also polluting the environment. It can also make an adverse effect on the mental, social, and economic ability of the person. It becomes imperative to save the people from dangerous chemicals and waste of the industries because people have to live in the green environment to lead a healthy life. It is important for the government to regulate rules and regulations for the industries to make the environment neat and clean. For this purpose, there is a strict need to employ environmental inspectors who can perform Green audits to prevent the pollution.

Man has the fundamental right to freedom, equality and adequate conditions of life, in an environment of a quality that permits a life of dignity and well-being and he bears a solemn responsibility to protect and improve the environment for present and future generation." Most countries today face environmental threats due to the increase in pollution of the atmosphere, water and land. Wildlife habitats continue to be threatened. Water contamination and air pollution are critical problems facing most countries. Environment related problems are linked closely to the rapid growth of population, as well as to technological advancements.

Green auditing or environmental audit is a process of extracting information about a company that provides a realistic assessment of how the company affects the environment and also a set of environmental objectives and targets to reduce the effects. Eco-auditing is a systematic multidisciplinary method used periodically to assess the environmental performance of a project. Eco-auditing evolved as a management tool in the USA in 1980s. It has been promoted in Europe by the International Chamber of Commerce and by some multinational corporations as a means of getting effective environmental management. But, in developing countries, the eco-auditing concept is still a theoretical concept. However, India has modified its Companies Act to include a requirement for eco-audits. This it is very important for each organization to conduct its environmental audits or green audit to ensure that we are working in the direction of sustainable development.

Green audits are necessary to evaluate the impact of industries and their manufacturing on the natural resources. The environmental auditing is an important process to make sure continuous development in the environmental management. The environmental auditor appropriately monitors

the system for safe disposal of waste in the industries to ensure the safety of the natural resources. It also lessens the interference of the government directly since the environmental auditor can examine the required standards and present the report to the government.

A good environmental auditing system needs a constant effort to monitor and analyse the industrial working system to create the analysis on pollution being generated. The major objective of performing green audit is controlling the pollution. It also helps in improving the production safety and to making sure the prevention and reduction of the chemical waste. It also provides performance reviews of institutional working facilities and its possible impact on the surroundings.

The environmental auditor has to detect the existing environmental compliance problems and make recommendations to the manufacturers for reducing the pollution to save the environment.

While enforcing the Green Audit effectively,

- Will help to maintain the environment and its resources in institution
- Highlight the problems from energy loss to water loss.
- Minimize the waste and use the resources efficiently.
- Give the better approach to environmental conditions and its improvisation
- Helps in awareness activities for students.

Can participate in national programmes like SWACHH BHARAT MISSION, NAMAGI GANGE, WATER CONSERVATION, SWASTH BHARAT *etc.*

Part I: AIR QUALITY

Air is a core element for the sustenance of life. The cleaner the air, the better your health and well-being. However, various sources, especially anthropogenic, are posing a significant threat to air quality. In this article, we take a closer look at the situation in India, a country whose rapid expansion has seriously diminished air quality.

Pollution is the greatest risk to human life, more so in India than in any other country. Air Quality Index (AQI) is a numerical scale used to measure and report air quality of an area on a given day. Eight pollutants namely PM₁₀, PM_{2.5}, NO₂, SO₂, CO, O₃, NH₃, and Pb are the major parameters taken into consideration while deriving AQI of a region. Public health risks increase as the AQI rises. The following table shows the Air Quality Index (AQI) Categories and the Health impacts associated with each category.

AQI	Remark	Color Code	Associated Health Impacts
0-50	Good		Minimal impact
51-100	Satisfactory		Minor breathing discomfort to sensitive people.
101-200	Moderately polluted		Breathing discomfort to people with lung and heart diseases, children, and older adults.
201-300	Poor		Breathing discomfort to people on prolonged exposure
301-400	Very poor		Respiratory illness to the people on prolonged exposure.
401-500	Severe		Respiratory impact even on healthy people, and serious impacts on people with lung/heart disease.

Long-term exposure to outdoor and household air pollution contributed to over 1.67 million annual deaths from stroke, heart attack, diabetes, lung cancer, chronic lung diseases and neonatal diseases in India in 2019, according to the State of Global Air 2020 by the U.S.-based Health Effects Institute. Overall, air pollution was now the largest risk factor for death among all health risks, the report noted.

Outdoor and household particulate matter pollution also contributed to the deaths of more than 1,16,000 Indian infants in their first month of life last year. More than half of these deaths were associated with outdoor PM_{2.5} and others were linked to use of solid fuels such as charcoal, wood, and animal dung for cooking. For the youngest infants, most deaths were related to complications from low birth weight and preterm birth. India faced the highest per capita pollution exposure — or 83.2 µg/cubic metre — in the world, followed by Nepal at 83.1 µg/cubic metre and Niger at 80.1, according to the report which sources its data from publicly available sources. Countries with the least population exposure are below 8 micrograms (µg) per cubic metre.

Central Pollution Control Board, a statutory organization under the Ministry of Environment and Forests, Government of India, provides air quality data and AQI at an hourly and daily basis of various stations across cities in India. By analyzing the daily AQI data for different cities of India, it was found that Ahmedabad, Delhi, Patna, Gurugram, and Lucknow have the highest AQI values on an average daily basis for the year 2015- 2019.

For the past few decades, the world has been bustling with various human activities that tremendously contributed to air pollution. But 2020 brought everything to a halt. The coronavirus

pandemic started spreading like wildfire and many countries resorted to lockdown. A boon of the coronavirus situation, if any, is the positive impact it had on the environment because of the lockdown imposed to prevent the spread of the disease. On March 25, 2020, the Government of India placed its population of more than 1.3 billion citizens under lockdown in an effort to curb the spread of the COVID-19. To explore whether the lockdown alleviated the pollution, we have compared the AQI data of March-April of the year 2019 and 2020. The daily average AQI value for March- April 2019 is 656 and this value drastically reduced to more than half to 306 in March-April 2020. Click on the highlighted points on both sides of the graph to compare the AQI values for various cities in India during March-April for the year 2019 and 2020.

The figure below on the right shows the tropospheric NO₂ concentration over India on April 5, 2020, while the left figure shows the concentration on the same day of the previous year. Every year, In the month of April, the NO₂ concentration is typically on the higher side for states such as Delhi-NCR, some regions of Jharkhand, Chhattisgarh, Odisha, Ahmedabad, and Goa. However, in 2020, we can see that there is a significant decrease in the emitted NO₂ over the Northern and western regions as well as in Delhi and Ahmedabad.

The government has claimed that average pollution levels in India are declining over the past three years but these have been marginal, particularly in the Indo-Gangetic plains which see extremely high particulate matter pollution especially during winter. After a decline in pollution due to the nationwide lockdown in late March and the months-long process of reopening, pollution levels are again rising and air quality has dipped to ‘very poor’ category in several cities.

COVID-19, a disease for which people with heart and lung disease are particularly at risk of infection and death, has claimed more than 1,10,000 lives in India. Although the full links between air pollution and COVID-19 are not yet known, there is clear evidence linking air pollution and increased heart and lung disease, creating a growing concern that exposures to high levels of air pollution during winter months in South Asian countries and East Asia could worsen the effects of COVID-19. “This newest evidence suggests an especially high risk for infants born in South Asia and sub-Saharan Africa,” said HEI president Dan Greenbaum in a statement. “Although there has been slow and steady reduction in household reliance on poor-quality fuels, the air pollution from these fuels continues to be a key factor in the deaths of these youngest infants.”

It is critical for anti-pollution efforts to be coordinated across different levels. Urban-rural and inter-state responses are integral to crafting successful solutions.

This is clearly what the National Clean Air Mission (CAM-INDIA) aims to achieve. It is a cross-sectoral initiative for air pollution mitigation launched by GoI involving Ministries of Transport, Power, Construction, Agriculture, Rural Development, Environment and the states. Along with a five-year action plan to curb air pollution, the Mission hopes to build a pan-India air quality monitoring network and heighten citizen awareness. Air quality can be significantly improved by cutting the use of solid fuel in households; using sustainable

fuels can reduce air pollution levels by almost 40 percent. According to the 2011 Census, 16.6 crore households out of a total of 24.7 crore continued to rely on solid fuels (firewood, crop residue, dung and coal) for cooking. Hopefully, GoI's Ujjwala scheme, which provides cooking gas to millions of poor households will substantially reduce solid fuel usage. Additionally, reducing emissions from thermal power plants, instituting strong emission standards for industries and introducing stronger vehicular emission standards also need to be effectively implemented. In this regard, state pollution control boards (PCBs) are adopting the Star Rating Programme. The programme rates industries on their fine particulate pollution emissions and enables the monitoring of industries' pollution levels. Furthermore, in partnership with GoI, states are promoting an electric vehicle policy. Use of electrically powered buses, cars and two-wheelers are bound to have a positive qualitative effect on air quality in cities.

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Certain policies and programmes focus specifically on cities- The National Clean Air Programme targets 102 polluted Indian cities and aims to reduce their PM_{2.5} levels by about one-third over the next five years. Steps are also being taken for upgradation to BS VI fuel from BS IV which is expected to reduce air pollution. Initial results are encouraging. The Environment Ministry reported a fall in the national annual average concentration of PM_{2.5} from 134 micrograms per cubic metre in 2016 to 125 in 2017. For PM₁₀, the national annual average fell from 289 micrograms per cubic metre in 2017 to 268 in 2016. An action plan has also been readied for 94 cities which suffer from severe air pollution.

While steps are being taken to reduce air pollution at the national and state levels, cities could improve the national performance by introducing complementary initiatives. Firstly, the Clean India Campaign requires energetic implementation. Since dust and waste burning are major sources of PM, cities must ensure wall-to-wall paving of streets, the vacuum cleaning of roads, enforce bans on open solid waste burning and attempt to effectively recover methane from landfills.

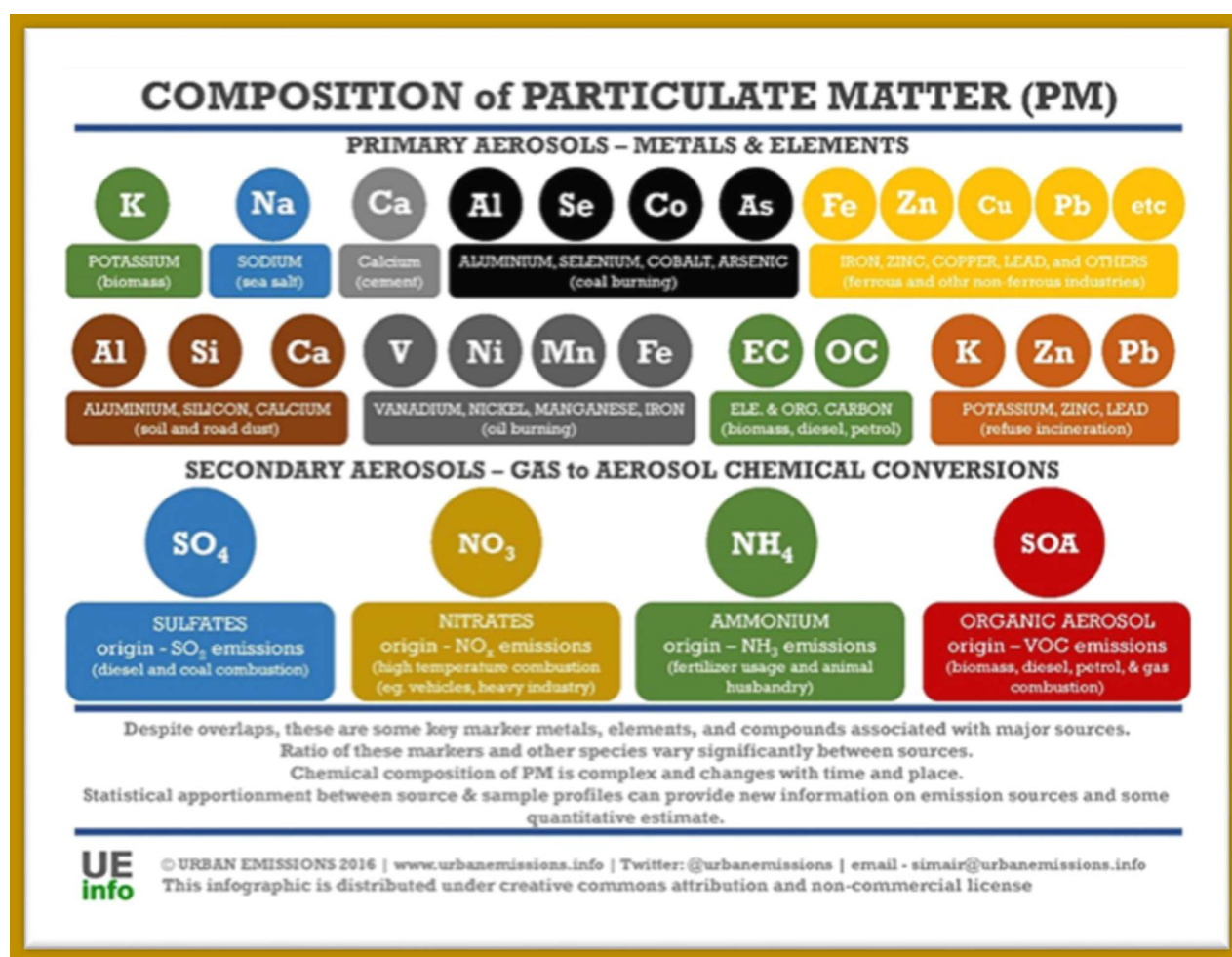
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Some state municipal acts make it mandatory for cities to prepare an annual environment status report. The main objective of such a report is to curate data which allows cities to take cognizance of where they stand in terms of environmental well-being, including the status of air pollution. The next step for cities should be to launch remedial steps as the annual report enables municipalities to assess the impact of their policies on a yearly basis.

Sadly, while the reports have been prepared, not much action has been taken. This needs to change.

Many cities also carry out a 'decennial tree census' which tells them what their tree population is. Depletion of tree cover in specific areas triggers a warning mechanism advising the city to replenish tree stock via fresh plantation. Another city-centric solution that municipalities should consider implementing is the incentivisation of the maintenance of roof-top gardens as well as, potted plants in balconies and kitchen gardens through suitable amendments in development control regulations.

While the issue of air pollution has managed to capture public imagination, the problem of growing question of growing population density in cities continues to be at best- an afterthought. High human density hinders the successful implementation of positive initiatives. The volume of polluting activities continues to multiply, as the space to counteract them physically shrinks. The question of decentralising urbanisation needs to be addressed in a meaningful way, for it holds the key to improving the quality of urban life.



When there are many different types of air pollutants, why do we focus on PM 2.5? Why is it particularly dangerous?

A chemically charged pollutant, PM has contributions from all the primary emissions.

- Black carbon and organic carbon, as primary emissions are part of PM 2.5
- SO₂ undergoes chemical reactions to form sulphate aerosols, which is part of PM 2.5
- NO_x-CO-VOC combine and react in many ways to chemically transform to form nitrate and secondary organic aerosols, which are part of PM2.5
- NO_x-CO-VOC also combine and react in many ways to form and consume ozone (depending on the mixture of the gases), which also contributes to health impacts and also participates in the formation of nitrates and secondary organic aerosols, which are part of PM 2.5

So, if we target PM 2.5, the one pollutant we are mainly concerned about in India, we are invariably targeting all the other pollutants as well. Therefore, any control mechanism aimed to reducing direct PM 2.5 emissions also reduces other pollutants (since sources to all these pollutants are common), except for resuspended dust.

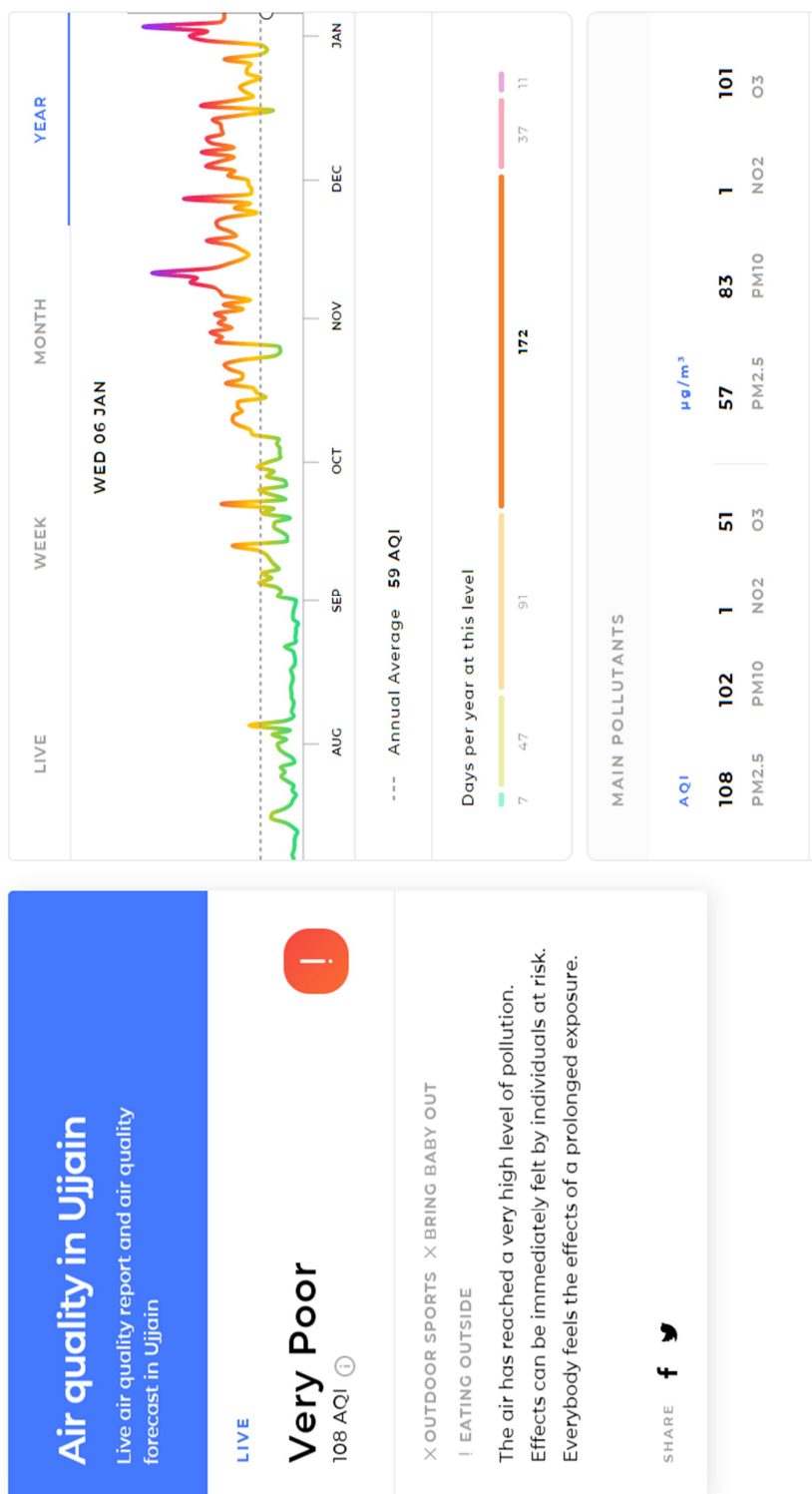
The particle size, less than 2.5 micro-meter, is small enough to enter our lungs and blood stream, and stay there for a long time. There are more studies linking PM 2.5 to various health risks than any of the other pollutants.

In India, we estimate that we require around 4,000 continuous monitoring stations to spatially and temporally represent the air pollution problem – 2,800 in the urban areas and 1,200 in the rural areas. Currently, data when available comes from around 600+ manual stations and less than 100 continuous monitoring stations.

Air quality and public health

The rate at which urban air pollution has grown across India is alarming. A vast majority of cities are caught in the toxic web as air quality fails to meet health-based standards. Almost all cities are reeling under severe particulate pollution while newer pollutants like oxides of nitrogen and air toxics

a. AIR QUALITY INDICES



Source: <https://air.plumelabs.com/air-quality-in-Ujjain-5ktx>

Contains modified Copernicus Atmosphere Monitoring Service information 2019.

South America Model: GMAI/CPTEC/INPE

CURRENT AIR QUALITY



Very Unhealthy

Health effects will be immediately felt by sensitive groups and should avoid outdoor activity. Healthy individuals are likely to experience difficulty breathing and throat irritation; consider staying indoors and rescheduling outdoor activities.

Based on Current Pollutants

Learn more at



Current Pollutants

Air Quality Scale

Over the past hour

PM_{2.5}

Very Unhealthy

Fine Particulate Matter are inhalable pollutant particles with a diameter less than 2.5 micrometers that can enter the lungs and bloodstream, resulting in serious health issues. The most severe...
more

210

160 µg/m³PM₁₀

Very Unhealthy

Particulate Matter are inhalable pollutant particles with a diameter less than 10 micrometers. Particles that are larger than 2.5 micrometers can be deposited in airways, resulting in health...
more

209

254 µg/m³NO₂

Excellent

Breathing in high levels of Nitrogen Dioxide increases the risk of respiratory problems. Coughing and difficulty breathing are common and more serious health issues such as respiratory...
more

13

26 µg/m³SO₂

Excellent

Exposure to Sulfur Dioxide can lead to throat and eye irritation and aggravate asthma as well as chronic bronchitis.

11

11 µg/m³

Part II: **WATER QUALITY**

Humans have wrestled with water quality for thousands of years, as far back as the 4th and 5th centuries BC when Hippocrates, the father of modern medicine, linked impure water to disease and invented one of the earliest water filters. Today, the challenge is sizeable, creating existential threats to biodiversity and multiple human communities, as well as threatening economic progress and sustainability of human lives.

The geographical area of India is 3,287,590 sq km. The length of its Coastline is about 7500 km. The climate of India varies from tropical monsoon in south to temperate in north. Its terrain have upland plain (Deccan Plateau) in south, flat to rolling plain along the Ganges, deserts in west, Himalayas in north. India is enviably endowed in respect of water resources. The country is literally criss-crossed with rivers and blessed with high precipitation mainly due to the southwest monsoon, which accounts for 75% of the annual rainfall. There are thirteen major river basins (area more than 20,000 square kilometre) in the country, which occupy 82.4% of total drainage basins, contribute eighty-five percent of total surface flow and house eighty percent of the country's population. Major river basins are Brahmaputra, Ganga (including Yamuna Sub Basin), Indus (including Satluj and Beas Sub Basin), Godavari, Krishna, Mahanadi, Narmada, Cauvery, Brahmini (including Baitarni Sub Basin), Tapi, Mahi, Pennar and Sabarmati. The classification of river basin based on catchment area is given in Table 1. There are few desert rivers, which flow for some distance and get lost in deserts. There are complete arid areas where evaporation equals rainfall and hence no surface-flow. The medium and minor river basins are mainly in coastal area. On the east coast and part of Kerala State, the width of land between mountain and sea is about 100 km, and hence the riverine length is also about 100 km. whereas, the rivers in the west coast are much shorter as the width of the land between sea and mountains is less than 10 to 40 km. Yet, in spite of the nature's bounty, paucity of water is an issue of national concern resulting in deterioration of water quality in aquatic resources.

Polluted water is the main cause of a number of diseases. Polluted water not only affects the life of present generation but it also affects the life of upcoming generations because its effect remains for long. Bhopal gas tragedy case can be named as an example. Bhopal Gas tragedy is the world's worst industrial disaster. Study by official scientific agencies shows that ground water contamination has spread 40 meters deep and upto 3.5 km from the abandoned factory. Nearly 40000 persons have consumed this contaminated water over the past 14 to 20 years and cancers, birth defects and diseases related to skin, lungs, brain, kidneys and liver are several times more prevalent in that community than anywhere else in the country.¹ The use of water is multifold. The survival of human being is not possible without the water. Human being cannot live without the water. For a healthy life pure and pollution free water is indispensable. If in any area the water is polluted then people or the other living creatures are forced to drink that polluted water because

they have no other option nor can they live without it. In recent years, water pollution has become a serious problem across the country, mostly due to the presence of untreated effluents, chemicals and pesticides in it.² There are many causes of water pollution. These causes can be removed or at least controlled with the awareness amongst the people and by the strong implementation of the legislative measures. But because of the activism of judiciary in India this right to clean and sufficient water is embodied in Article 21 of the Constitution of India. If the water is not clean or is polluted then Constitution of India also provides remedy which can be claimed under the law of torts and under Article 226 of the Constitution in the form of filing writ in the High Court of the respective State and under Article 32 writ can be filed in the Supreme Court.

Clean water is the basic need of the human being. It is one of the main substances of the survival of human being. Water has multifunctional role in daily life. It is used for drinking, bathing, cleaning and irrigation etc. The main water bodies from where water can be accessed are lakes, rivers, oceans, ponds and groundwater. State also provides water to the people. Right to access clean water is the basic human right of a person. On July 28, 2010 UN General Assembly passed a resolution to make water and sanitation as right. Mr. Pablo Solon the Bolivian Representative to the UN, while tabling the Resolution said that “Drinking water and sanitation are not only elements or principal components of other rights such as “the right to an adequate standard of living. The right to drinking water and sanitation are independent rights that should be recognized as such.³ In India, Government is the trustee of all natural resources which are meant for public use and enjoyment by nature and water is one of these natural resources. Constitution of India provides that water is accessible for all irrespective of cast and religion.

Pollution of water means rendering the water unfit for human consumption by bringing changes in its natural quality. Water pollution can be defined in many ways. Usually, it means one or more substances have built up in water to such an extent that they cause problems for animals or people.¹⁴ Pollutants in water include a wide spectrum of chemicals, pathogens and physical chemistry or sensory changes. Many of the chemical substances are toxic. Pathogens can produce waterborne diseases. Alteration of water’s physical chemistry includes acidity, electrical conductivity, temperature and eutrophication. Human infectious diseases are among the most serious effects of water pollution.¹⁵ In India, every year, approximately 50,000 million liters of wastewater, both industrial and domestic, is generated in urban areas. If the data of rural areas is also taken into account, the overall figure will be much higher.¹⁶ According to a United Nations report released on March 22, 2010 on World Water Day, 80 percent of urban waste in India ends up in the country's rivers, and unchecked urban growth across the country combined with poor government oversight means the problem is only getting worse. A growing number of bodies of water in India are unfit for human use and in the River Ganga holy to the country's 82 percent Hindu majority, is dying slowly due to unchecked pollution.¹⁷ Water pollution is a major problem in India. Only about 10% of the waste water generated is treated; the rest is discharged as it is into our water bodies. Due to this, pollutants enter into groundwater, rivers and other water bodies.

Increasing the economic and human cost of toxic water-bodies

Causes of water pollution in India

Following are some other important reasons of increasing levels of water pollution in India:

- **Industrial waste**
- **Improper practices in agricultural sector**
- **Reduction in water quantity in rivers in plains**
- **Social and religious practices like dumping dead bodies in water,**
- **Bathing, throwing waste in water**
- **Oil leaks from ships**
- **Acid rain**
- **Global warming**
- **Eutrophication**
- **Inadequate industrial treatment of wastes**
- **Denitrification**

Water pollution can have some tremendously-adverse effect on the health of any and every life form living in the vicinity of the polluted water body or using water that has been polluted to some extent. At a certain level polluted water can be detrimental to crops and reduce the fertility of soil thus harming the overall agricultural sector and the country as well. When sea water is polluted it can also impact oceanic life in a bad way. The most fundamental effect of water pollution is however on the quality of the water, consuming which can lead to several ailments.

In fact, as far as India is concerned polluted water is one of the major factors behind the general low levels of health in India, especially in the rural areas. Polluted water can lead to diseases such as cholera, tuberculosis, dysentery, jaundice, diarrhoea, etc. In fact, around 80% stomach ailments in India happen because of consuming polluted water.

The cost of environmental degradation in India is estimated to be INR 3.75 trillion (\$80 billion) a year. The health costs relating to water pollution are alone estimated at about INR 470-610 billion (\$6.7-8.7 billion per year) – most associated with diarrheal mortality and morbidity of children under five and other population morbidities. Apart from the economic cost, lack of water, sanitation and hygiene results in the loss of 400,000 lives per year in India. Globally, 1.5 million children under five die and 200 million days of work are lost each year as a result of water-related diseases.

As per the latest estimate of Central Pollution Control Board, about 29,000 million litre/day of wastewater generated from Class-I cities and class-II towns out of which about 45% (about 13000 mld) is generated from 35 metro-cities alone. The collection system exists for only about 30% of the wastewater through sewer line and treatment capacity exists for about 7000 million litre/day. Thus, there is a large gap between generation, collection and treatment of wastewater. A large part

of un-collected, un-treated wastewater finds its way to either nearby surface water body or accumulated in the city itself forming cesspools. In almost all urban centres cesspools exist. These cesspools are good breeding ground for mosquitoes and also source of groundwater pollution. The wastewater accumulated in these cesspools gets percolated in the ground and pollute the groundwater. Also in many cities/towns conventional septic tanks and other low cost sanitation facilities exists. Due to non-existence of proper maintenance these septic tank become major source of groundwater pollution. In many urban areas groundwater is only source of drinking. Thus, a large population is at risk of exposed to water borne diseases of infectious (bacterial, viral or animal infections) or chemical nature (due to fluoride or arsenic). Water borne diseases are still a great concern in India. Pollutants are being added to the groundwater system through human activities and natural processes. Solid waste from industrial units is being dumped near the factories, and is subjected to reaction with percolating rainwater and reaches the groundwater level. The percolating water picks up a large amount of dissolved constituents and reaches the aquifer system and contaminates the groundwater. The problem of groundwater pollution in several parts of the country has become so acute that unless urgent steps for abatement are taken, groundwater resources may be damaged. The quality of groundwater depends on a large number of individual hydrological, physical, chemical and biological factors. Generally higher proportions of dissolved constituents are found in groundwater than in surface water because of greater interaction of ground water with various materials in geologic strata. The water used for drinking purpose should be free from any toxic elements, living and non-living organism and excessive amount of minerals that may be hazardous to health. Some of the heavy metals are extremely essential to humans, for example, Cobalt, Copper, etc., but large quantities of them may cause physiological disorders. The contamination of groundwater by heavy metals has assumed great significance during recent years due to their toxicity and accumulative behaviour. These elements, contrary to most pollutants, are not biodegradable and undergo a global eco-biological cycle in which natural waters are the main pathways. The determination of the concentration levels of heavy metals in these waters, as well as the elucidation of the chemical forms in which they appear is a prime target in environmental research today.

A vast majority of groundwater quality problems are caused by contamination, over-exploitation, or combination of the two. Most groundwater quality problems are difficult to detect & hard to resolve. The solutions are usually very expensive, time consuming & not always effective. An alarming picture is beginning to emerge in many parts of our country. Groundwater quality is slowly but surely declining everywhere. Groundwater pollution is intrinsically difficult to detect, since problem may well be concealed below the surface & monitoring is costly, time consuming & somewhat hit-or-miss by nature. Many times the contamination is not detected until obnoxious substances actually appear in water used, by which time the pollution has often dispersed over a large area. Essentially all activities carried out on land have the potential to contaminate the groundwater, whether associated with urban, industrial or agricultural activities. Large scale,

concentrated sources of pollution such as industrial discharges, landfills & subsurface injection of chemicals & hazardous wastes, are an obvious source of groundwater pollution. These concentrated sources can be easily detected & regulated but the more difficult problem is associated with diffuse sources of pollution like leaching of agrochemicals & animal wastes subsurface discharges from latrines & septic tanks & infiltration of polluted urban run-off & sewage where sewerage does not exist or defunct. Diffuse sources can affect entire aquifers, which is difficult to control & treat. The only solution to diffuse sources of pollution is to integrate land use with water management. Once pollution has entered the sub-surface environment, it may remain concealed for many years, becoming dispersed over wide areas & rendering groundwater supplies unsuitable for human uses.

Pollution in Ujjain, India

Drinking Water Pollution and Inaccessibility	50.00	Moderate
Dissatisfaction with Garbage Disposal	48.08	Moderate
Dirty and Untidy	48.08	Moderate
Noise and Light Pollution	50.00	Moderate
Water Pollution	52.78	Moderate
Dissatisfaction with Green and Parks in the City	44.23	Moderate

Purity and Cleanliness in Ujjain, India

Drinking Water Quality and Accessibility	50.00	Moderate
Garbage Disposal Satisfaction	51.92	Moderate
Clean and Tidy	51.92	Moderate
Quiet and No Problem with Night Lights	50.00	Moderate
Water Quality	47.22	Moderate
Quality of Green and Parks	55.77	Moderate

a. WATER QUALITY ASSESSMENT

Parameter	Temp	pH	EC	TDS	DO	Chloride	Alkalinity	Ca	Mg	TH
Sites	(°C)		(µS/Cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
S.S. – 1	-	8.04	-	800	5.8	164.9	236	150	140	254
Only single source of water supply in college										
Note: S.S. = Sampling Site; S.S. – n = Sampling site maximum number College wants to cover										

Table 1: Water Quality Measurement in the College campus

Part III: GREEN COVER



- **Total Area of College** : 57900 Square Meter
- **Land use and Land cover status** : Main Building Ground Floor, Biotech Microbiology Block (2019-20), Gymnasium (2016-17), Open Play Ground, Hostel (2020-21), Cycle Stand (2018-19), Open Area
- **Total covered area** : 7940 Square Meter + 678 sq meter (Biotechnology Block)
- **Total open area** : 15222 Square Meter
- **Area under Green Cover in College** : 34060 Square Meter
- **No. of Trees in College** : 697
- **No. of potted plants** : 711
- **No. of Plants in College** : 2202
- **No. of types of trees** : 58
- **List of Major Human Activities**
 Plantation, Vermi Composting, Swachh Bharat Abhiyan, Clean Campus- Green Campus, Awareness Programmes, Students Gathering, NSS/NCC Activities under flagship programmes, Admission Counselling, Yoga, Fitness Activities (GYM), Sports

You've probably heard that trees produce oxygen, but have you ever wondered just how much oxygen one tree makes? The amount of oxygen produced by a tree depends on several factors, including the species of tree, its age, its health, and the tree's surroundings. A tree produces a different amount of oxygen in summer compared to winter. So, there is no definitive value.

Here are some typical calculations:

"A mature leafy tree produces as much oxygen in a season as 10 people inhale in a year."

"A single mature tree can absorb carbon dioxide at a rate of 48 pounds/year and release enough oxygen back into the atmosphere to support two human beings."

"One acre of trees annually consumes the amount of carbon dioxide equivalent to that produced by driving an average car for 26,000 miles. That same acre of trees also produces enough oxygen for 18 people to breathe for a year."

"A 100-foot tree, 18 inches' diameter at its base, produces 6,000 pounds of oxygen."

"On average, one tree produces nearly 260 pounds of oxygen each year. Two mature trees can provide enough oxygen for a family of four."

'Green cover' refers to a broad range of strategies to integrate green, permeable and reflective surfaces into cities and towns, which are home to 89 per cent of our population. Surface temperatures in urban areas can be 10°C to 20°C higher than in the air temperatures because buildings, roads and other hard surfaces absorb and store heat. High temperatures, due to climate change, will further intensify the impacts of urban heat.

Unlike hard surfaces, trees and vegetation (sometimes called green infrastructure) provide shade, and cool and clean the air by evapotranspiration. Other benefits are better health and wellbeing for urban-dwellers, more biodiversity and wildlife in urban areas, and better regulation of localised flooding.

Types of urban green cover include bushland, private and community gardens, parks, greenways, habitat corridors, street trees, roof gardens and plant-covered walls, as well as reflective and permeable walls, pavements and other surfaces. Protecting local green spaces, designing eco-friendly buildings and creating urban networks of green space can help to minimise the impacts of urban heat in our cities and towns.

Part IV: HUMAN ACTIVITIES

A community pursuing environmental sustainability does not exist in and of itself. Trade, transportation, and air borne pollutants, to name several examples, can put it directly in touch with those carrying on in less than sustainable ways. Similarly, college campus do not exist in and of themselves. It is fairly safe to say that the typical college campus is unlikely to be able to support the livelihood of its human residents without importing some food, energy, materials, and so on, and exporting some waste \pm solid or otherwise. Still, the degree of the environmental impact that ensues is not cut in stone nor is it necessarily unsustainable. Like the community aspiring toward sustainability, many things on a college campus can be done that help increase the effectiveness of actions that reduce environmental impacts.

Universities play a significant role in responding to climate change by creating knowledge and integrating the handling of climate issues in educational and research programs, as well as direct and indirect operational activities. Large-scale campus like Govt. Madhav Science P.G. College, consisting of gates, teaching buildings, school service buildings, living quarters, roads, and other facilities of varying sizes. Comparing to other working place or entertainment venues as well nature or artificial ecological niche, in the campus, there are almost daily social activities, harboring disturbances from the exchanges of people and vehicles. Such a semi-open community could be roughly defined as a sociological and biological community with constraint access of persons from outside with gates and hotels as the interfaces, which is strongly affected by environmental stressors like temperature and population density. With the moving persons and vehicles as hosts, so do microbes move around the campus, following the same routes as persons and vehicles on which they temporarily habit. This make ups the link among certain sets of locations on campus. The activities of dwellers and vehicles of large-scale campus could in turn profoundly affect their surrounding environment.



Major Human activities in the College:

- Continues use of vehicles by students, teachers and non-teaching staff in the campus.
- Gathering of students in center places.
- Less use of dustbins by students.
- No dumping sites for practical laboratories of respective departments.
- Time to time organization of conferences and workshops *etc.*



Part V: ENVIRONMENTAL PRACTICES

The term *environmental* practice defines the application of appropriate combination of environmental monitoring, assessing and control measures. While including it in reports it also includes the strategies or the future recommendations. The following are the sub-headings on the basis of which the current green audit of Govt. Madhav Science P.G. College conducted:

- a. Build-up Environment
- b. Energy Management
- c. Water Resources and Management
- d. Waste Management
- e. Landscape Environment
- f. Green Agenda in syllabus
- g. Transportation

A. BUILD-UP ENVIRONMENT



In the engineering and social sciences, the term **built environment**, or **built world**, refers to the human-made environment that provide the setting for human activity, ranging in scale from buildings to cities and beyond. It has been defined as "the human-made space in which people live, work and recreate on a day-to-day basis". The built environment encompasses places and spaces created or modified by people to serve their needs of education, office, accommodation, organisation and representation.

Currently, built environments are typically used to describe the design, construction, management, and use of these man-made surroundings as an interrelated whole as well as their relationship to human activities over time (rather than a particular element in isolation or at a single moment in time). It is the science to understand the drawing upon areas such as economics, law, public policy, public health, management, geography, design, engineering, technology, and environmental sustainability. Within the field of public health, built environments are referred to as building or renovating areas in an effort to improve the community's well-being through construction of “aesthetically, health improved, and environmentally improved landscapes and living structures”.

An accessible physical environment benefits everyone, not just persons with disabilities. Measures should be undertaken to eliminate obstacles and barriers to indoor and outdoor facilities including schools, medical facilities, and workplaces. These would include not only buildings, but also footpaths, curb cuts, and obstacles that block the flow of pedestrian traffic.

An accessible government building is one, where persons with disabilities have no barrier in entering it and using all the facilities therein. This covers the built environment – services, steps

and ramps, corridors, entry gates, emergency exits, parking – as well as indoor and outdoor facilities including lighting, signages, alarm systems and toilets.

Identifying accessible buildings requires annual accessibility audits that determine if a building meets agreed upon standards. Once a building is deemed fully accessible, an annual audit is not necessary, but should be required for any proposed changes to the structure or systems contained therein. A full audit can then be done on a less frequent basis. Standards of accessibility should be as consistent as possible with international standards, such as those of the ISO, taking into account the local context. In regards to the built environment, ISO 21542:2011, Building Construction – Accessibility and Usability of the Built Environment, delineates a set of requirements and recommendations concerning construction, assembly, components and fittings.

While these things in mind the audit for build-up environment, we assessed all the infrastructure the College have in all the campus, having mixed infrastructure from old to new. Almost all the building is having plantation and green cover around them. In terms of safety almost all the departments are having Fire extinction system installed. With the earlier initiatives of Green audit cell, eco-club and authorities the campus is almost free from noise pollution inside the campus but a minimum was there due to College campus are situated on the roadside.

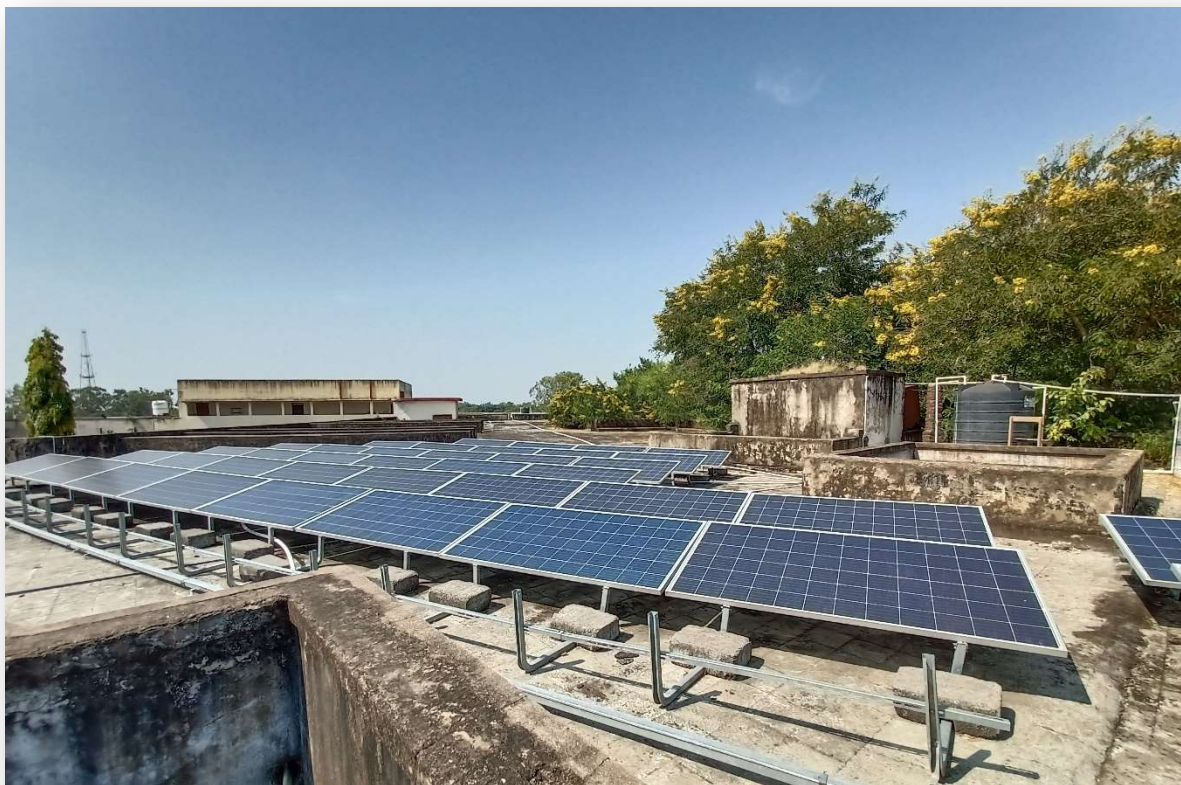
With the current assessment it is clearly found in the build-up environment there are certain things which require upgradation and maintenance. We also recommend that all the conferences halls available in the different departments should be given some name of eminent researchers of the respective fields or eminent alumni of the College and there biography with a photograph should be there in the conference hall. It will lead to students more aware about the researchers of India and great alumni's of College.

S. No	Name of Department	Building Types Old / New	Area in Sq. ft	Fire prevention provisions	Aesthetic appeal	Facilities in Class Rooms	Toilets Male / Female	Recreation Room	Facilities for differently abled
1	Principal Room	Old	52.68	01	<ul style="list-style-type: none"> College has lush green garden inside as well as in the exterior of the campus, with statues of Mahatma Gandhi and Swami Vivekanand Saraswati 	-	1 Unit		
2	Microbiology	New	262.78	02		Wifi, Multimedia Projector, Desktop computer with online class facilities			
3	Chemistry	New + Old	1549.85	06	<ul style="list-style-type: none"> College has installed cemented benches in the campus for students and visitors beneath the tree canopies in the serene ambience of the college. 	Complete Smart Classroom including audio and video devices, Lan Connectivity, Electronic Podium, Webcam, Headphone	4 Units for females and 6 units for male and 1 unit for differently abled.	<ul style="list-style-type: none"> Two multipurpose halls in the college campus one on ground floor one on first floor. Conference hall for all academic conferences and seminars. Girls common room and Gymnasium 	<ul style="list-style-type: none"> Ramp on ground floor, railing for first floor and wheel chair. Wash rooms, and laboratory spaces for differently abled.
4	BCA	Old	518.06	01		Wifi, Desktop computer with online class facilities			
5	Botany	Old	422.57	01	<ul style="list-style-type: none"> Steel benches are installed in the interior for students specifically for specially challenged students. 	Wifi, Desktop computer with online class facilities			
6	Biotechnology	New + Old	1125	03		Wifi, Desktop computer with online class facilities			
7	Physics	Old	893.21	01	<ul style="list-style-type: none"> Medicinal plant Garden and botanical Garden. 	Wifi, Desktop computer with online class facilities			

8	Electronics	Old	78.75	01	<ul style="list-style-type: none"> State of the art modern energy efficient laboratories, well ventilated and aerated classrooms. 	Wifi , Desktop computer with online class facilities			
9	Zoology	Old	601.52	01	<ul style="list-style-type: none"> Zoology and Geology museum Remote access centres for Library and satellite 	Wifi , Multimedia Projector, Interactive Board, Visual, Writing Pads, Desktop computer with online class facilities			
10	Maths +Statistics	Old	121.78	01	<ul style="list-style-type: none"> channels, smart classrooms with smart technologies 	Wifi , Desktop computer with online class facilities, Interactive Pad			
11	CS,CA+IT	New + Old	236.431	01	<ul style="list-style-type: none"> Separate Admin offices housed in the separate wing of the college. Smart solid waste mechanism installed at the outhouse 	Wifi , Multimedia Projector, Desktop computer with online class facilities, Visualizer			
12	Geography	Old	110	01	backyard of the campus	Nil			
13	Hindi + English + Economics	Old	25.47	01		Nil			
14	Yoga	New	24.08	01		Yes			
15	Sport+ Multipurpose sports complex	New + Old	19.19+ 540	01		Nil			

16	Geology	Old	102.03	01	Wifi , Desktop computer with online class facilities			
17	Office	Old	178.64	01	Wifi , Desktop			
18	Bioinformatics	New	108.91	01	Wifi , Multimedia Projector, Desktop computer with online class facilities, Interactive Pad			
19	Ph. Chemistry	New	184.65	04	Wifi , Multimedia Projector, Desktop computer with online class facilities			
20	Girls Common Room	Old	51.92	01	Basic Facilities for girls			
21	Conference Hall	New	1667	01	Lcd projector, Chairman mic, speaker, webcam			
22	library	OLD	1450	04	Computers, Printer, Photocopier, UPS, Internet, Compactors			
23	E library	NEW	1667	04	Computers, UPS, SERVER			

B. ENERGY MANAGEMENT



The increasing demand for power has led to considerable fossil fuels burning which has in turn had an adverse impact on environment. In this context, efficient use of energy and its conservation is of paramount importance. It has been estimated that nearly 25,000 MW can be saved by implementing end-use energy efficiency and demand side management measures throughout India. Efficient use of energy and its conservation assumes even greater importance in view of the fact that one unit of energy saved at the consumption level reduces the need for fresh capacity creation by 2 times to 2.5 times. Further, such saving through efficient use of energy can be achieved at less than one-fifth the cost of fresh capacity creation. Energy efficiency would, therefore, significantly supplement our efforts to meet power requirement, apart from reducing fossil fuel consumption.

The economic development of a country is often closely linked to its consumption of energy. Although India ranks sixth in the world as far as total energy consumption is concerned, it still needs much more energy to keep pace with its development objectives. India's projected economic growth rate is slated at 7.4 % during the period 1997-2012. This would necessitate commensurate growth in the requirement of commercial energy, most of which is expected to be from fossil fuels and electricity. India's proven coal reserves may last for more than 200 years, but the limited

known oil and natural gas reserves may last only 18 years to 26 years, which is a cause of concern. The continued trend of increasing share of petroleum fuels in the consumption of commercial energy is bound to lead to more dependence on imports and energy insecurity. India's energy intensity per unit of GDP is higher as compared to Japan, U.S.A. and Asia by 3.7 times, 1.55 times and 1.47 times respectively. This indicates inefficient use of energy but also substantial scope for energy savings. The increasing global trade liberalisation and growing global competition have made productivity improvement, including energy cost reduction, an important benchmark for economic success. Therefore, a paradigm shift in our approach to energy policy issues is needed – a shift from a supply dominated one to an integrated approach. This integrated approach would have to incorporate a judicious mix of investment in the supply side capacity, operational efficiency improvements of existing power generating stations, reduction of losses in transmission and distribution, end-use efficiency and renewable technologies. The policy goals and concepts would have to be shifted from “energy conservation” to “energy efficiency”, and from “energy inputs” to the “effectiveness of energy use” and “energy services”. Creation of new power generation capacity is costly and necessitates long gestation period whereas energy efficiency activities can make available additional power at comparatively low investments within a short period of time.



For the past few decades, energy generation has been shifted to alternative energy sources like renewable energy forms such as solar, wind and biomass energy *etc.* instead of the conventional fossil fuel sources. Apart from the growth in the energy sector, there has been an equivalent increase in businesses and organisations, which has brought tremendous competition in the market in terms of increasing environmental standards and reducing global warming, carbon foot print and greenhouse gas emissions. Energy management is a process by which a sector or an organisation can effectively manage how much energy they produce and how to control, monitor and conserve as much energy as they can while also generating enough energy to meet the demand of the customers. Apart from protection of climate and conservation of resources, another important factor when dealing with energy conservation is cost savings. The cost should be reduced in a manner such that the work processes are not affected. And thus, profit should be maximised by minimising costs.

According to a study released by the US Energy Information Administration in the year 2011, China and India were the two countries which were least affected by the worldwide recession. In the year 2008, both these nations accounted for 21% of the total world energy consumption. By 2035, both the countries will account for 31% of world energy use in the IEO2011 Reference case. This is shown in the figure 1.

With these rising statistics, it is essential that we not only reduce energy consumption at private and public organisations, but also at homes, to save energy and thus, protect our environment and reduce carbon emissions as well. In 2016, India stood fourth worldwide, as the largest consumer of energy, the figure being double of that in 2000. It is also expected that nearly 315 million more Indians will move to cities in the upcoming 25 years as the economy will grow and this in turn will lead to a rise in the energy demand.

With these rising statistics, it is essential that we not only reduce energy consumption at private and public organisations, but also at homes, to save energy and thus, protect our environment and reduce carbon emissions as well. In 2016, India stood fourth worldwide, as the largest consumer of energy, the figure being double of that in 2000. It is also expected that nearly 315 million more Indians will move to cities in the upcoming 25 years as the economy will grow and this in turn will lead to a rise in the energy demand.

A large amount of energy and money can be saved in general by employing energy management and the savings in any organisation can follow the profile as shown.

Low Cost Activities (First Year)	5 to 15 %
Moderate Cost, Significant Effort (Three to Five Years)	15 to 30 %
Long Term Potential Higher Cost, More Engineering	3 to 50 %

Table.1. Savings through Energy Management

As shown, huge amount of savings and paybacks can be achieved through energy management. It can also help companies by not only improving productivity but also the quality that they offer using energy efficiency techniques and better materials and manufacturing processes. The grouping of better quality, better products, lesser environmental damage, and lesser costs of energy provides bonus to the companies and in turn helps sustaining the environment and conserving the resources too.

Principles governing energy management are as follows.

1. Control the costs of the energy function, and not the Btu of energy. Since energy always provides a service, it is converted to a useful function, it is advisable to control the total cost than just the Btu of energy since the total cost is more closely related to the interests of the organisation.
2. The second principle is to control energy functions as a product cost, not as a part of manufacturing or general overhead. The energy functions should be a part of the costing system so that the specific impact of each function can be better judged.
3. The third principle is to control and meter only the main functions – which accounts for only 20% functions which make up 80 percent of the costs.
4. The last principle states that the major effort of an energy management program should be put in to installing controls and achieving results. Each step of the process should be monitored to achieve appropriate results.

With the depletion of natural resources, switching to better options like smart grids and smart metering helps in reducing the amount of energy consumed and to also further increase the



efficiency of these power systems, **Energy Management Systems (EMS)** are employed. It consists of a series of policy framework, processes and procedures to manage the energy usage. Therefore, EMS helps in maximising profits by reducing costs and enhancing efficiency of the system.

When energy use is deliberately monitored, controlled, and conserved, decreases in utility consumption and overall costs can be realized without

sacrificing facilities operations. Such energy management techniques can take on many shapes and sizes. Following are strategies facility management executives can use to increase efficiency while overcoming potential costly challenges.



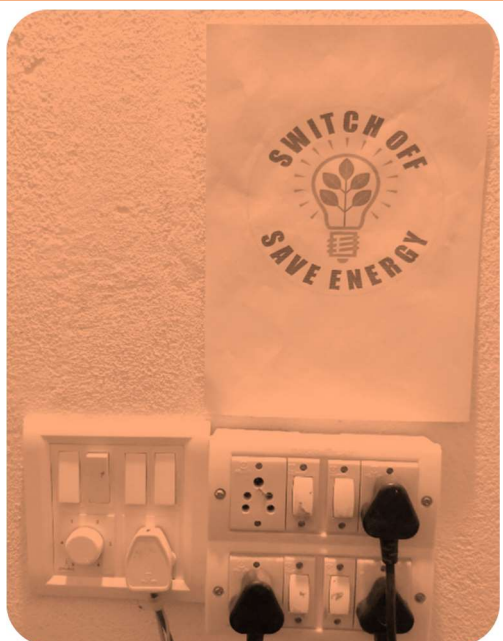
1. Actively manage real-time energy

use. Proactive, real-time data management can expose a wide range of unknown challenges associated with occupancy, building use, and peaks in utility usage. For example, my firm, Southland Energy, installed a comprehensive metering system for a data center customer, monitoring everything from air and water flows, to very specific details of the data center. The real-time data allowed the building operators to identify potential issues instantaneously, implement corrective actions to prevent critical shutdowns, and manage loads before

they affected the entire system.

2. Actively manage what is measureable. Use advanced metering and energy management systems (EMS) to capture real-time data, ensure its accuracy and, in turn, address specific issues. For example, a K-12 school installed an energy dashboard that managed the overall facility while actively engaging faculty and students. The customer could view how the systems were operating and how much they were saving based on their actions and system improvements.

In instances where building owners have utility monitoring equipment but no collection or processing software, the meters or monitoring equipment become stranded assets. This is because millions of data points have to be gathered and processed manually, multiple times during the year. A sophisticated metering system equipped with the proper EMS software will automatically collect, process, and format these data points in real time, if not hourly. The ability to process these useful data points into an easy to use format improves the overall system effectiveness and functionality.



3. Actively manage energy consumption. Use collected data to build a strategy that manages costs and consumption on a daily, weekly, monthly, and annual basis. Southland Energy worked with an industrial customer to evaluate multiple peak demand reduction strategies. Load shifting and demand limiting systems

were implemented to limit customer loads during peak hours and reduce costs.

Limiting peak demand consumption offers additional benefits that are not always easy to identify or claim. For example, during peak hours, utilities run “peaker plants” to meet demands from the grid. However, these plants are often older and less efficient electricity generation plants, with the sole purpose to run periodically to meet demand. Reducing peak demand during summer months saves electricity costs and overall greenhouse gas emissions per kW.

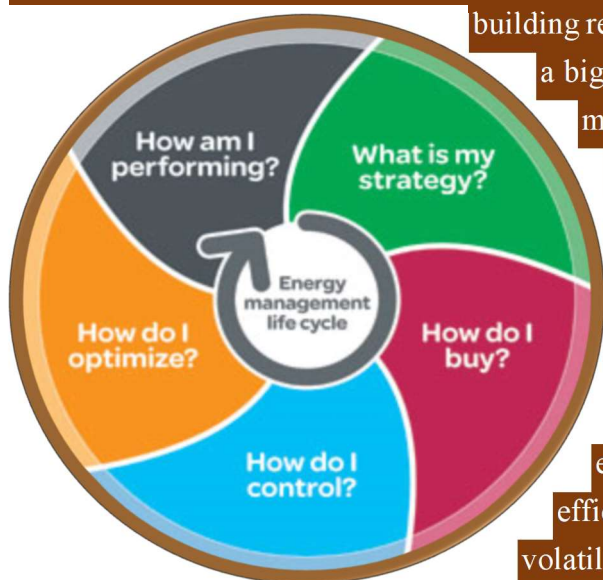
Managing consumption allows for early detection of improper set points, schedule misalignments, and equipment/system failures. Analysing trends of metered points over days, weeks, months, and years helps to pinpoint irregularities, leaks, and excessive run times. The proper system can flag leaks, changes in occupancy, occupant set point changes, and energy and water waste.

4. Have a holistic plan. Without clear direction and an action plan, it is difficult to make a meaningful impact beyond the “low hanging fruit.” A holistic plan is critical to leverage overall savings and provide a mix of improvements for substantial results. Facility leaders often benefit from a holistic plan that bundles low hanging fruit such as lighting and building automation measures with longer paybacks such as renewable energy. This evaluates all possible savings including water, waste, energy, and system/facility reliability to package the appropriate measures for the facility’s goals and financial requirements.

5. Secure leadership buy-in and support. Real, holistic changes will not be attainable without direct involvement and support from leadership. It is critical to engage leadership and key decision makers that impact the financials of facility operations.

6. Establish an occupant behavioral awareness program. Technology implementation and building retrofits are only part of the equation. Occupants have a big impact on a building’s efficiency and investments made. Education is key to the behavioural process, and empowering occupants with knowledge and resources will help increase energy savings as they can realize the impact through efficiency or financial gain.

Facility executives that adopt these 10 tips for energy management improvements are closer to ensuring their organizations are able to increase efficiency, while overcoming budget constraints, volatile energy costs, and the hidden expenses of aging equipment.



S.No	Name of Department	No. of Tubes lights & Bulbs	No. of A.C.	No. of LCD Projectors	No. of Photocopiers	No. of Computers + Printers	LEDs	No. of Fans	Use of Non-Conventional (Solar Energy)	Energy Management practices
1	Principal Room	06	Nil	Nil	Total 03 units in college campus Including library	1+1	08	5	<ul style="list-style-type: none"> College uses on grid solar energy generated from 40 kw roof top RESCO solar system installed in the college LED Tube lights On grid solar system Regular maintenance of equipment's Fully energy efficient RO systems Aerated and wide classrooms with sufficient day light 	
2	Microbiology	28	Nil	1		3+2	02	18		
3	Chemistry	117	Nil	3		1+1	117	80		
4	BCA	31	Nil	1		11+2	5	16		
5	Botany	60	02	01		1+1	63	27		
6	Biotechnology	00	Nil	Nil		4+3	50	22		
7	Physics	30	Nil	01		1+1	5	30		
8	Electronics	05	Nil	Nil		5+1	Nil	5		
9	Zoology	58	Nil	3		3	13	31		
10	Maths +Statistics	5	Nil	Nil		1 + 1	Nil	4		
11	CS,CA+IT	20	Nil	02		70+4	03	16		
12	Geography	5	Nil	Nil		Nil	Nil	5		
13	Hindi + English + Economics	4	Nil	Nil		1+1	Nil	2		
14	Yoga	10	Nil	Nil		1	Nil	2		
15	Sports & Multipurpose sports complex	30	Nil	Nil		Nil	16	11		
16	Geology	9	Nil	Nil		Nil	Nil	3		
17	Office	11	Nil	Nil		4+3	10	10		
18	Bioinformatics	10	Nil	1		13+2	1	6		
19	Ph. Chemistry	65	Nil	1		4+2	13	41		
20	Girls Common Room	1	Nil	Nil		Nil	1	4		
21	Conference Hall	22	3	01		01	Nil	12		
22	library	10	Nil	NIL		03	7	10		
23	E library	16	Nil	Nil		35	nil	9		

C. WATER RESOURCES AND MANAGEMENT



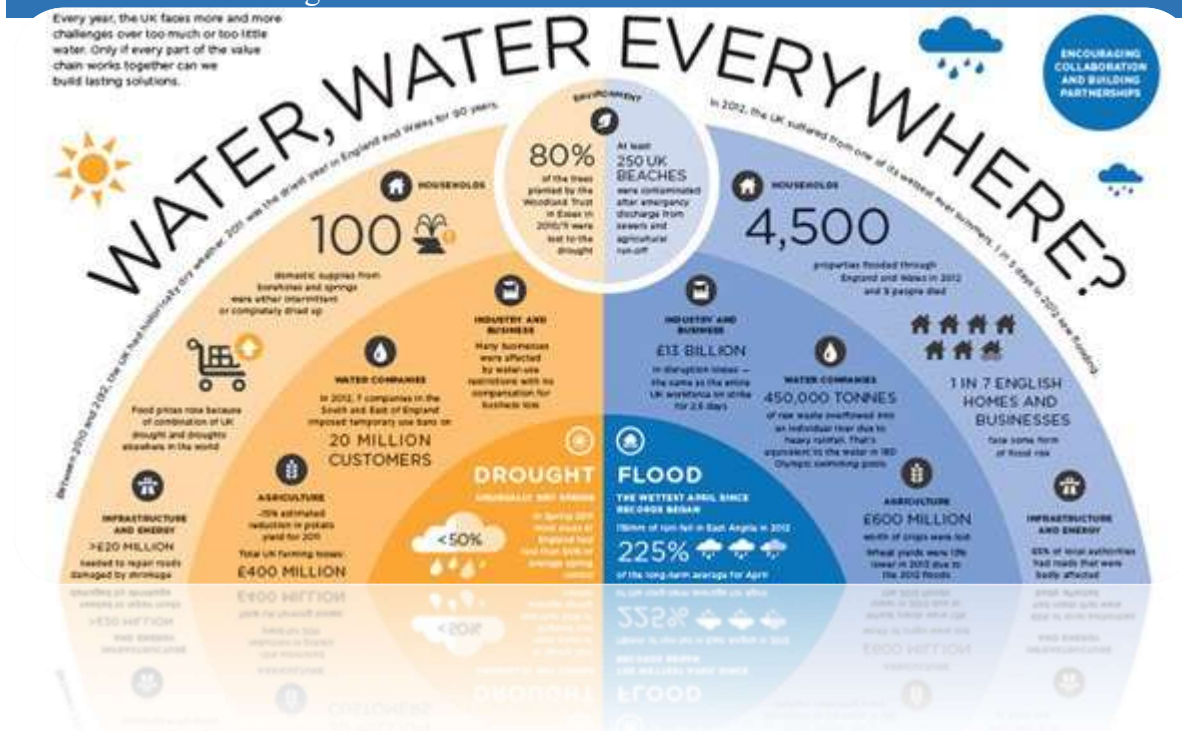
Water- a must for all life forms on earth and the most important natural resource. We all know that about three-fourths of the earth's surface is covered with water. But about 96.5% of the global water resources come from the oceans and seas. In India, the water resources amount to an estimated 1897 square kilometer per annum. However, we all know about the shortage of Water we are facing as a country. Let us learn more about the conservation of the water resource.

Water resource systems have benefited both people and their economies for many centuries. The services provided by such systems are multiple. Yet in many regions of the world they are not able to meet even basic drinking water and sanitation needs. Nor can many of these water resource systems support and maintain resilient biodiverse ecosystems. Typical causes include inappropriate, inadequate and/or degraded infrastructure, excessive withdrawals of river flows, pollution from industrial and agricultural activities, eutrophication resulting from nutrient loadings, salinization from irrigation return flows, infestations of exotic plant and animals, excessive fish harvesting, flood plain and habitat alteration from development activities, and changes in water and sediment flow regimes. **The inability of water resource systems to meet the diverse needs for water often reflect failures in planning, management, and decision-making—and at levels broader than water. Planning, developing, and managing water resources to ensure**

adequate, inexpensive, and sustainable supplies and qualities of water for both humans and natural ecosystems can only succeed if we recognize and address the causal socioeconomic factors, such as inadequate education, corruption, population pressures, and poverty.

Over the centuries, surface and ground waters have been a source of water supply for agricultural, municipal, and industrial consumers. Rivers have provided hydroelectric energy and inexpensive ways of transporting bulk cargo. They have provided people water-based recreational opportunities and have been a source of water for wildlife and their habitats. They have also served as a means of transporting and transforming waste products that are discharged into them. The quantity and quality regimes of streams and rivers have been a major factor in governing the type, health, and biodiversity of riparian and aquatic ecosystems. Floodplains have provided fertile lands for agricultural crop production and relatively flat lands for the siting of roads and railways and commercial and industrial complexes. In addition to the economic benefits that can be derived from rivers and their floodplains, the aesthetic beauty of most natural rivers has made lands adjacent to them attractive sites for residential and recreational development. Rivers and their floodplains have generated, and, if managed properly, can continue to generate, substantial cultural, economic, environmental, and social benefits for their inhabitants.

Human activities undertaken to increase the benefits obtained from rivers and their floodplains may also increase the potential for costs and damages such as when the river is experiencing periods of droughts, floods, and heavy pollution. These costs and damages are physical, economic, environmental, and social. They result because of a mismatch between what humans expect or demand, and what nature offers or supplies. Human activities tend to be based on the “usual or normal” range of river flow conditions. Rare or “extreme” flow conditions outside



these normal ranges will continue to occur, and possibly with increasing frequency as climate change experts suggest. River-dependent human activities that cannot adjust to these extreme flow conditions will incur losses.

The planning of human activities involving rivers and their floodplains must consider certain hydrologic facts. One of these facts is that surface water flows and aquifer storage volumes vary over space and time. They are also finite. There are limits to the amounts of water that can be withdrawn from them. There are also limits to the amounts of pollutants that can be discharged into them. Once these limits are exceeded, the concentrations of pollutants in these waters may reduce or even eliminate the benefits that could be obtained from other users of the resource.

Water resources professionals have learned how to plan, design, build, and operate structures that together with non-structural measures increase the benefits people can obtain from the water resources contained in aquifers, lakes, rivers, and estuaries. However, there is a limit to the services one can expect from these resources. Rivers, estuaries, and coastal zones under stress from over development and overuse cannot reliably meet the expectations of those depending on them. How can these resources best be managed and used? How can this be accomplished in an environment of uncertain and varying supplies and uncertain and increasing demands, and consequently of increasing conflicts among individuals having different interests in their management and use? The central purpose of water resources planning, management, and analysis activities is to address, and if possible answer, these questions. These questions have scientific, technical, political (institutional), and social dimensions. Thus water resources planning processes and products are must.

River basin, estuarine, and coastal zone managers—those responsible for managing the resources in those areas—are expected to manage those resources effectively and efficiently, meeting the demands or expectations of all users, and reconciling divergent needs. This is no small task, especially as demands increase, as the variability of hydrologic and hydraulic processes become more pronounced, and as stakeholder expectations of system performance increase in complexity. The focus or goal is no longer simply to maximize economic net benefits while making sure the distribution of those benefits is equitable. There are also environmental and ecological goals to consider. Rarely are management questions one-dimensional, such as how can we provide, at acceptable costs, more high-quality water to municipalities, industry, or to irrigation areas in the basin. Now added to that question is how would those withdrawals affect the downstream hydrologic water quantity and quality regimes, and in turn the riparian and aquatic ecosystems.

Problems and opportunities change over time. Just as the goals of managing and using water change over time, so do the processes of planning to meet these changing goals. Planning processes evolve not only to meet new demands, expectations, and objectives, but also in response to new perceptions of how to plan and manage more effectively.

Some quick Facts and Figures

- The total volume of water on earth's surface- 96.5%
- The total volume of usable freshwater- 2.5%
- The volume of freshwater in ice-sheets and glaciers- 70%
- Stored groundwater- 30%
- Precipitation (rainfall) in India- 4% of earth's total
- India's rank in the world for water availability per person (per annum)- 133

Conservation & Management of Water Resources

'Water water everywhere, not a drop to drink.' It is a very old saying in a different reference to the situation. But, this is exactly what we fear will happen very soon, if we do not wisely use and conserve our water resources.



Research shows that by 2025, India, along with many other countries will face a serious scarcity of water. Many regions in our country are currently undergoing the process of 'water stress'. According to a research by Falken Mark, a Swedish expert on water, 'water stress' happens when the water availability falls below 1000 cubic meters per person per day.

Today, most countries are placing unprecedented pressure on water resources. The global population is growing fast, and estimates show that with current practices, the world will face a 40% shortfall between forecast demand and available supply of water by 2030. Furthermore, chronic water scarcity, hydrological uncertainty, and extreme weather events (floods and droughts) are perceived as some of the biggest threats to global prosperity and stability. Acknowledgment of the role that water scarcity and drought are playing in aggravating fragility and conflict is increasing.

To strengthen water security against this backdrop of increasing demand, water scarcity, growing uncertainty, greater extremes, and fragmentation challenges, clients will need to invest in

institutional strengthening, information management, and (natural and man-made) infrastructure development. Institutional tools such as legal and regulatory frameworks, water pricing, and



incentives are needed to better allocate, regulate, and conserve water resources. Information systems are needed for resource monitoring, decision making under uncertainty, systems analyses, and hydro-meteorological forecast and warning. Investments in innovative technologies for enhancing productivity, conserving and protecting resources, recycling storm water and wastewater, and

developing non-conventional water sources should be explored in addition to seeking opportunities for enhanced water storage, including aquifer recharge and recovery. Ensuring the rapid dissemination and appropriate adaptation or application of these advances will be a key to strengthening global water security.

S.No	Name of Department	Water Use per day in Litres	Water Purification system	Use of Water Cooler	Water leakage Repair	Rain Water Harvesting	Water Tank Cleaning	Water pollution Incidences	Natural Water Bodies
	General college	4180 litres (1 to 21)	Total RO 04	Total 04				<ul style="list-style-type: none"> No water pollution incidences at all. Chemical effluent from chemistry and pharmaceutical chemistry is neutralized before discharge to prevent water pollution from chemical discharge. Organic manure prepared in the bio compost is used in the college garden to prevent soil as well as subsurface water pollution. College is not using any chemical fertilizer as well as pesticides for garden 	<ul style="list-style-type: none"> Subsurface water bodies - 03 Tube wells, Surface water bodies- 01 dug well, one pond common for College.
1	Principal Room	50	-	01					
2	Microbiology	300	Yes	Nil					
3	Chemistry + pharma chemistry lab.	1000	04 Laboratory solutions	01	<ul style="list-style-type: none"> All the taps are in perfect condition no leakage is there, if any how any incidence of leakage is there it is repaired then and there 	<ul style="list-style-type: none"> Indigenous pond of holding capacity 22.5 lakh litre size 100*100*8 For rain water harvesting Pits to store run off rain water Roof water harvesting system These artificial recharge structures has helped in mitigation of ground water level now we have ample supply of water even during summer season. 	<ul style="list-style-type: none"> Regular cleaning of water tank 		
4	BCA	50	Nil	Nil					
5	Botany	500							
6	Biotechnology	100	Nil	Nil					
7	Physics	100	NIL	Nil					
8	Electronics	20	Nil	Nil					
9	Zoology	500	1	01					
10	Maths + Statistics	50	NIL	Nil					
11	CS,CA+IT	50	Nil	Nil					
12	Geography	20	Nil	Nil					
13	Hindi + English	50	Nil	Nil					

[illegible]

D. WASTE MANAGEMENT

Waste management rules in India are based on the principles of "sustainable development", "precaution" and "polluter pays". These principles mandate municipalities and commercial establishments to act in an environmentally accountable and responsible manner—restoring balance, if their actions disrupt it. The increase in waste generation as a by-product of economic development has led to various subordinate legislations for regulating the manner of disposal and dealing with generated waste are made under the umbrella law of Environment Protection Act, 1986 (EPA). Specific forms of waste are the subject matter of separate rules and require separate compliances, mostly in the nature of authorisations, maintenance of records and adequate disposal mechanisms. With rapid urbanisation, the country is facing massive waste management challenge. Over 377 million urban people live in 7,935 towns and cities and generate 62 million tonnes of municipal solid waste per annum. Only 43 million tonnes (MT) of the waste is collected, 11.9 MT is treated and 31 MT is dumped in landfill sites. Solid Waste Management (SWM) is one among the basic essential services provided by municipal authorities in the country to keep urban centres clean. However, almost all municipal authorities deposit solid waste at a dumpyard within or outside the city haphazardly. Experts believe that India is following a flawed system of waste disposal and management.

Solid-waste management, the collecting, treating, and disposing of solid material that is discarded because it has served its purpose or is no longer useful. Improper disposal of municipal solid waste can create unsanitary conditions, and these conditions in turn can lead to pollution of the environment and to outbreaks of vector-borne disease—that is, diseases spread by rodents and insects. The tasks of solid-waste management present complex technical challenges. They also pose a wide variety of administrative, economic, and social problems that must be managed and solved. The key to efficient waste management is to ensure proper segregation of waste at source and to ensure that the waste goes through different streams of recycling and resource recovery. Then reduced final residue is then deposited scientifically in sanitary landfills. Sanitary landfills are the ultimate means of disposal for unutilised municipal solid waste from waste processing facilities and other types of inorganic waste that cannot be reused or recycled. Major limitation of this method is the costly transportation of MSW to far away landfill sites. In some urban centres, people working in the informal sector collect solid waste for each doorstep to get a collection fee and derive additional income from sale of recyclables. The informal recycling industry plays a major role in waste management. It also ensures that less waste reaches landfills.

There has been technological advancement for processing, treatment and disposal of solid waste. Energy-from-waste is a crucial element of SWM because it reduces the volume of waste from disposal also helps in converting the waste into renewable energy and organic manure. Ideally, it

falls in the flow chart after segregation, collection, recycling and before getting to the land fill. But many waste to energy plants in India are not operating to their full potential.

Installation of waste-to-compost and bio-methanation plants would reduce the load of landfill sites. The biodegradable component of India's solid waste is currently estimated at a little over 50 per cent. Bio-methanation is a solution for processing biodegradable waste which is also remains underexploited. It is believed that if we segregate biodegradable waste from the rest, it could reduce the challenges by half. E-waste components contain toxic materials and are non-biodegradable which present both occupational and environmental health threats including toxic smoke from recycling processes and leaching from e-waste in landfill into local water tables.

The concept of common waste treatment facility (ENVIS Newsletter, December 2010) is being widely promoted and accepted as it uses waste as a resource by either using it as a co-fuel or co-raw material in manufacturing processes. This has led to rise of Public Private Partnership (PPP) models in waste management which has open doors for doing business in waste management.

Bio-medical waste (management and handling) rules, 1998 prescribe that there should be a Common Biomedical Waste Treatment Facility (CBWTF) at every 150 kms in the country. CBWTFs have been set up and are functioning in cities and towns. However, establishment of functional CBWTF throughout the country must be ensured. Integrated common hazardous waste management facilities combine secured landfill facility, solidification/stabilisation and incineration to treat hazardous wastes generated by various industrial units. They contribute about 97.8 per cent of total landfill waste and 88 per cent of total incinerable hazardous waste generated in the country, as per an environment ministry report. To anyone tuned into Davos last month, Indian leaders presented an impressive picture of a country open for business. "If you want wealth with wellness, come to India", was the message. For those closer to the ground, however, the quality of life in India's towns and cities seems distinctly suspect. Here is one important aspect of this: India generates over 150,000 tonnes of municipal solid waste (MSW) per day, with Mumbai being the world's fifth most wasteful city. Yet, only 83% of waste is collected and less than 30% is treated. According to the World Bank, India's daily waste generation will reach 377,000 tonnes by 2025. Blame urbanization and industrialization, but the consequences of India's megacities producing tonnes of waste are tangible and troubling. A noteworthy first step from the Narendra Modi government was propelling sanitation to the top of the policy agenda under the flagship Swachh Bharat Abhiyan programme. The Clean India

"A clean India would be the best tribute India could pay to Mahatma Gandhi on his 150 birth anniversary in 2019," said Shri Narendra Modi as he launched the Swachh Bharat Mission at Rajpath in New Delhi. On 2nd October 2014, Swachh Bharat Mission was launched throughout length and breadth of the country as a national movement. The campaign aims to achieve the vision of a 'Clean India' by 2nd October 2019.

Indeed, the unique economic and social development trajectories of individual countries mandate different approaches to waste management. Until the 1980s, Korea, like most other developing countries, focused on improving efficiency of waste management through incineration and landfills. This was considered relatively easier than public campaigns to “Reduce and Recycle”. However, by the late 1980s, in the face of accelerating waste generation, South Korea implemented a volume-based waste fee system—a paradigm shift focused on controlling waste generation and achieving maximum rates of recycling while raising additional resources to finance waste management. 2018 ended with high aspirations of the Indian Environment Minister's resolution - 'to eliminate all single-use plastics from our beautiful country by 2022'. It may sound promising but one must be critical to evaluate all the aspects of progress made by India and the prospected efficiency of existing legislatures and policy frameworks. In fact, the emergence of private players in the waste management sector also symbolizes the dawn of a new era, where the informal sector will effectively turn mainstream and re-organize to create efficient and safe waste management system. From the utilitarian perspective, the inclusion of informal sector workers will not just give them a better life but will also serve as the most effective tool to mitigate the rising waste issues.

Although infrastructure development and deployment of technology are going to take several more years yet the grassroots strengthening of major stakeholders including waste generator, waste collection agent and the final contractor will pave the path for a better future.

Tips to Reduce Waste

- Take reusable bags to the store when shopping
- Reduce or eliminate the use of paper plates and cups
- Store leftover foods in reusable containers instead of single use plastic bags or Polystyrene foam containers
- Reduce or minimize use of plastic bags and Polystyrene foam
- Donate unwanted, slightly used clothing, furniture and other household items to local non-profit organizations
- Take advantage of the many curbside and drop-off recycling opportunities
- Xeriscape your yard with native plants and non-watering landscapes
- Compost yard waste which also helps enrich the soil and reduces water run-off
- Purchase foods in bulk or those which use less packaging
- Purchase fruits and vegetables that are not pre-packaged in containers and plastics

S.No	Name of Department	Organic Waste/Day (Kg)	Non-Plastic dry Waste/day (Kg)	Plastic, Thermocol/Day (Kg)	Other (E-waste)	Management of Organic Waste	Management of Other Waste	Waste dumping Pit?	Waste management Practices
1	Principal Room				<ul style="list-style-type: none"> E-waste management committee looks after e-waste management (computer science department) E waste generated is utilized for educating students about the hardware. CS Department has a workshop to handle all this known as R³ that is Repair, Reinvent Reshape 	<ul style="list-style-type: none"> Collected at college level and processed in house with Bio compost and shredder Vermi culture & vermi composting for green waste management 	<ul style="list-style-type: none"> Waste material paper, folders, broom stick and used cotton are Recycled in house for preparing paper mache articles. Non-degradable waste disposed to Ujjain Municipal corporation. 	<p>We use Bio compost and vermi composting instead.</p> <p>We use Bio material paper, folders, broom stick and used cotton are Recycled in house for preparing paper Mache articles.</p>	<ul style="list-style-type: none"> Degradable Organic waste is used for compost. Non-degradable waste disposed to Ujjain Municipal corporation. Waste material paper, folders, broom stick and used cotton are Recycled in house for preparing paper Mache articles.
2	Microbiology								
3	Chemistry								
4	BCA								
5	Botany								
6	Biotechnology								
7	Physics								
8	Electronics								
9	Zoology								
10	Maths + Statistics								
11	CS,CA+IT								
12	Geography								
13	Hindi +English +Economics								
14	Yoga								

15	Sport+ Multipurpose sports complex									
16	Geology									
17	Office									
18	Bioinformatics									
19	Ph. Chemistry									
20	Girls Common Room									
21	Conference Hall									

E. LANDSCAPE ENVIRONMENT

‘Landscape’ is a concept which includes the physical environment and people’s perception and appreciation of that environment. It is not restricted to the purely visual, but may comprise and encompass the ways in which individuals and communities perceive the natural and physical resources, as through traditions, lore, and legends that express the significant and memorable elements of a landscape.

The “sense of a broad expanse is common to the term “landscape””.

Landscape means the natural and physical attributes of land together with air and water which change over time and which is made known by people’s evolving perceptions and associations.

Three broad categories of landscape attributes:

- Biophysical elements, patterns and processes;
- Sensory or perceptual qualities (such as the view of a scenic landscape or the distinctive smell and sound of the coast); and
- Associative meanings and values including spiritual, cultural or social associations.

We may never fully understand how prehistoric people perceived their surroundings, but such knowledge is not entirely out of our reach. The main difficulty that scholars encounter stems from the division between environment and landscape. Meier argues that environment-focussed studies are concerned with the world in relation to which humans are external observers, while landscape-orientated approaches place people at their centre. Despite the widespread use of the word landscape, most studies actually focus on the environment because they concentrate on quantifying its different aspects.

Landscape is not a single resource such as soils or vegetation. It is an integrative concept which is applied to a group of resources within a spatial area and which incorporates the human values associated with them. The extent of the spatial area may be defined by biophysical and/or perceptual/associative characteristics, but often relates to ‘catchments’ or locations/areas/units that share particular landscape attributes.

A landscape includes the physical elements of geo-physically defined landforms such as living elements of land cover including indigenous vegetation, human elements including different forms of land use, buildings and structures.

Combining both their physical origins and the cultural overlay of human presence, often created over millennia, landscapes reflect a living synthesis of people and place that is vital to local and national identity. The character of a landscape in College helps define the self-image of the culture and heritage College is maintaining and its people who inhabit it and a sense of place that

differentiates from other in terms of Vedic knowledge and modern outlook. It is the dynamic backdrop to coming generation studying here with cultural and modern outlook.

While assessing the landscape environment of Govt. Madhav Science P.G. College it is clearly seen that it is a combination of culture heritage and scientific understanding. The beautification and green cover is found good but require maintenance and time to time upgradation. Due to major plantation in last 3 – 4 years, the taxonomical labelling is recommended in all the campus of College majorly for the exotic plants which are native of this region. Also there is an inventory is recommended to be developed to have the data for overall biodiversity of College in terms of flora and fauna.

For any kind of sustainable development, a landscape management plan is majorly required which should be implemented in the campus. While celebrating major environmental days by eco-club and other departments it is very essential that with a landscape plan all the plantation could be done for better and sustainable outlook. Another major thing which is recommended an Aerial-View Map of College and it's all campus to show the exact beautiful architecture of the all the campus.

S.No	Name of Department	Overall Green Cover within Deptt.	Indigenous Trees/Plants	Exotic Trees/ Plants	Landscape Management Plan
1	Principal Room	34060 Square Meter inside the boundaries of the college campus.	<ul style="list-style-type: none"> Accacia (150), Azaradiracta indica (08), Annona squamosa (10), Aegle marmelos (03), Bauhinia variegata (15), Butea monosperma (15), Cassia fistula (08), Cieba peutandra (07), Caryota (04), Casuarina (10), Caesalpinia (15), Canna (50), Crinum cernifolium (50), Dalbergia sissoo (15), Delonix regia (05), Eugenia jambolina (02), Feronia elephantum (02), Ficus religiosa (04), focus benghalensis (04), Hemolia pateus (25), Ixora (10), lawsonia (05), Muraya exotica (30), Mussanda (10), Millettia pinnata (25), Michaelia champaca (02), Pithecellobium dulce (03), Prosopis (25), Peltoforum (10), Psidium (10), Phyllanthus (04), Quis quails (50), Santalum album (19), Tectona granadis (08), Terminalia catappa (03), Ziziphus (25), Agave, Tacquila, Ccti, Bryophyllum, Aloe etc. Some Gennosperm plants species- Agathis (02), Podocarpus (01), Taxodium (01), Thuja (25), Cycus revolute (10), cycus circinalis (10), Zamia (02) etc. 	<ul style="list-style-type: none"> Alstonia scholars (05), Durranta, Eucalyptus (20), Lantana, Palms (08), Plumeria pudica (04), Petria (06), Tecoma (06), Hibicus rosa sinesis (50), Caryota (04). More than 85 types of ornamental plants [Potted (711) and non-potted (200)] are present in college campus. 	<ul style="list-style-type: none"> College has lush green campus, which is a result of on campus eco restoration drives by students under strict professional guidance. College has small gardens scattered around the campus in a planned manner. Right now the gardens have indigenous, exotic as well as potted plants. As a future plan a CAM plant cluster will be developed right in the front part which has direct sunlight and remains arid for 2/3rd of the year. There already are Accacia and Cassia fistula plants in that region. Landscaping in the new Biotechnology block and New Girls hostel building is also proposed before the onset of rainy season
2	Microbiology				
3	Chemistry				
4	BCA				
5	Botany				
6	Biotechnology				
7	Physics				
8	Electronics				
9	Zoology				
10	Maths + Statistics				
11	CS,CA+IT				
12	Geography				
13	Hindi + English + Economics				
14	Yoga				
15	Sport+ Multipurpose sports complex				
16	Geology				
17	Office				
18	Bioinformatics				
19	Ph. Chemistry				
20	Girls Common Room				
21	Conference Hall				

F. GREEN AGENDA IN SYLLABUS

India is constantly dealing with the challenge of balancing its economic growth and environmental sustainability. While it has already begun the transitional process towards larger uptake of renewable energy and energy efficiency, several other challenges – air pollution, water and waste management to name a few – remain to be resolved. As India prepares to welcome its next government, highlighting the choices and decisions it should prioritize to ensure that India's growth story is rooted in sustainability.

This Green Agenda covers five thematic areas – air pollution, energy transitions, resource efficiency, water management, waste management.

College is committed for environmental education and awareness to motivate the students and encourage them for environmental conservation and sustainable development and to develop the relationship between human beings and the environment and to develop capabilities/skills to improve and protect the environment. To improve this, Eco-club for the College is developed in 2012, continuously working for the awareness and encouragement among the students understand the importance of environment and need of its conservation. Further as per the UGC, New Delhi Guidelines, all the bachelors' students of College has to study the Environmental Studies paper for one semester. College has Established Department of Zoology and Environmental Science with a degree of Masters in Environmental Science in 1995 to promote the Environmental studies and faculties of the department are continuously working on various aspects as their research work. Further under extension education department has designed the Diploma courses for Disaster management and Industrial health, safety and environment for the core understanding of the respective subject by the students and others who are looking forward to contribute to conservation of environment.

Education has been recognized as a necessary constituent for sustainable development all over the world. The function of education could also optimistically manipulate the administration of the stressed out natural resources through the integration of victorious procedures of environmental education. The environmental education offers students with the skills, experience and knowledge that are necessary to turn out to be victorious community leaders, and also making clever decisions pertaining to the administration of their natural resources¹. The globally evolved concept of environmental education is a continuing lifelong procedure. As it is mentioned by Tbilisi², environmental education is considered as an everlasting process. In that, the community and the individuals obtain awareness of their surrounding and acquire the skills, experiences, values, and knowledge. They also possess the willpower to act collectively and individually to resolve current and future environmental problems. Teaching the people at huge regarding the environment and its features would build up decisive thinking, problem solving and analytical capabilities in them. Also it would enhance insights and knowledge to progress the quality of human life on earth. India

being a diverse nation, geographically, economically, climatically and geologically, the environmental education here has to be necessarily location – specific. It is at the initial level, that major attention has to be paid to the school going children and women, (that is, around 50 % of the population). They are to be made conscious about family planning, rural development, sanitation, food and water contamination, fuel wood, nutrition, slum improvement, hygiene, fodder etc.

Sustainable Development Goals (SDGs) are the global priorities so as to help build a better world for all in the next 15 years from 2016 to 2030. There are 17 SDGs that include a number of significant issues for the globe comprising ending extreme poverty, ensuring all children receive a good education, achieving equal opportunities for all and promoting better practices for consumption and production that will help make the planet cleaner and healthier. They are possibly the most comprehensive list of global goals the world has ever committed to. The SDGs are global in nature and universally applicable, taking into account different national realities, capacities and levels of development and respecting national policies and priorities. One thing the SDGs make explicit is the promise to "leave no one behind". The SDGs are not independent from each other – they need to be implemented in an integrated manner. The ultimate goal in the SDGs is the most important - that of "Transforming the World". And what else then education can change the world for better. As Nelson Mandela said: "Education is the most powerful weapon you can use to change the world". The benefits of education permeate all walks of life right from the moment of birth. If we are to eradicate poverty and hunger, improve health, protect our planet and build more inclusive, resilient and peaceful societies, then every individual must be empowered with access to quality lifelong learning, with special attention to opportunities for girls and women. The evidence is unequivocal: education saves lives and transforms lives; it is the bedrock of sustainability. The role of education for achieving SDGs has been identified by the UN Open Working Group which confirms that education is not only an end in itself but also a means to achieving a broad global development agenda. As the post-2015 goal-setting process continues, education has increasingly been discussed as not only a development goal in its own right, but also a key way of reaching other development goals. And for good reason: a country that provides free access to quality education for all its citizens is far more likely to reduce poverty, promote economic growth, lower child and maternal mortality and achieve social inclusion. Education can build lasting change – that is, sustainable change, because it is owned by the learner and reaches hearts and minds. According to the 2010 State of the World Report (published by The WorldWatch Institute), the Ecological Footprint Indicator, which compares impact of human actions on the ecology shows that humanity now uses the resources and services of 1.3 Earths . In other words, if humanity continue to live the way it is, it would require a third more of Earth's capacity than is available to sustain itself. In the coming years, the number of consumers is only going to increase. This would have a direct impact on the current resource base of the world which is already under tremendous stress and depleting at a faster rate than ever before because of the growing world

population and ever expanding human aspirations. It is estimated that by 2050, the human population will be 9.07 billion of which 62 per cent of the people will live in Africa, Southern and Eastern Asia. The state of the environment is a reminder of what we as humans are capable of inflicting on nature, which is in perfect harmony with its elements. However, it also highlights the opportunities at hand to reverse the process of environmental decline and work for a present and future built on the principles of environmental justice, equity and humane development. In this regard, the role of education is critical as it is the cornerstone of a modern society. It not only determines the present level of progress of people of a society but also charts out the future course of advancement of the civilization. Therefore, in view of the current environmental crisis, the content of education requires restructuring. This would mean that education systems across the world would be required not only to make a person employment worthy, it would have to capacitate people with values that would help them understand their relationship with the society and environment and empower a person lead a life of contentment and satisfaction. In this context, education will have to go beyond mere transfer of information. Education is held to be central to sustainable development. Indeed, education and sustainable development are intimately linked, but the distinction between education as we know it and Education for Sustainable Development(ESD) is puzzling for many. ESD is a vision of education that seeks to balance human and economic well-being with cultural traditions and respect for the earth's natural resources.

Education in India is mainly a State subject and the responsibility is that of the Ministries of Education at the Centre and States.

Principles of Environmental Education:

1. To consider environment in its totality (natural, artificial, technological, ecological, moral, aesthetic).
2. To consider a continuous life process.
3. To be interdisciplinary in approach.
4. To focus on current, potential environmental situations.
5. To emphasize active participation in prevention and control of pollution.
6. To examine root cause of environmental degradation.
7. To provide an opportunity for making decisions and accepting their consequences.

Environmental Educational Programmes:

Environmental education helps students and general public towards:

- a. Awareness i.e., acquire sensitivity to the total environment and its allied problems.
- b. Skill i.e., acquire skills for identifying environmental problems.
- c. Knowledge. To know conservation of natural resources.

d. Evaluation ability. To evaluate environs measures and education programmes in terms of social, economic, ecological and aesthetic factors.

e. Attitude and participation.

It involves a three-fold classification of environmental education:

1. Environmental Studies:

It is concerned with environmental disturbances and minimisation of their impacts through changes in social sciences.

2. Environmental Science:

It deals with the study of the processes in water, air, soil and organisms which lead to environmental damage.

3. Environmental Engineering:

It involves the study of technical processes used to minimise pollution.

Environmental Education among Students

The environment scenario of India is very wide indeed. At the first level, special attention must be paid to children. They are to be made aware of health, nutrition, sanitation, hygiene, development, water and food contamination, fodder and fuel wood etc. NGO's have to play a significant role in environmental education and awareness.

A. Formal Environmental Education:

The spectrum of EE has four major interrelated components, i.e., Awareness, real life situation, conservation and sustainable development.

1. Primary School Stage:

The attempt is made to sensitize the child about environs. Emphasis should be mostly (75%) on building up awareness, followed by real life situation (20%) and conservation (5%). Teaching strategy includes audio-visual and field visits.

2. Lower Secondary Stage:

At this level objective must be real life experience, awareness and problem identification. The contents are supplemented with general science. Teaching, practicals and field visits are to be done.

3. Higher Secondary School Stage:

The emphasis must be on conservation, assimilation of knowledge, problem identification and action skills. Contents may be science-based and action oriented work.

4. College Stage:

Maximum emphasis should be on knowledge regarding sustainable development and conservation. The content must be college based on Science and Technology. Teaching practical's

and action-oriented field work is to be done. In the school education, NCERT has been playing vital role in designing syllabi, text books, guide books, charts and kits etc.

5. University Education:

EE at this level is being looked after the UGC. The university education has three major components— Teaching, Research and Extension. At post graduate level, four major areas are recognised environmental engineering, conservation and management, environmental health, social ecology.

B. Non-Formal Environmental Education:

This education is designed for any age group, participating in cultural, social, economic development of the country. They form clubs and arrange exhibition, public lectures, meetings, environmental campaigns. Following are the main constituents of this education.

- 1. Adult Education:** Adults may influence the society to protect the precious environs by generating posters, slides, audio-visual and information pictures.
- 2. Rural Youth and Non-Student Youth:** They may act as volunteers.
- 3. Tribals and Forest Dwellers:** They are an important media to protect the forest wealth.
- 4. Children Activities:** The National Museum of Natural History (NMNH) conducts spot painting, modelling and poster design about environment for children.
- 5. Eco-development Camps:** Currently a set of a guide lines has been prepared by D.O. En to create awareness in youth and to acquaint them with the practice of sustainable development.
- 6. Non-government Organisations:** There are more than 200 NGOs engaged in environmental protection.
- 7. Public Representatives:** India has environmental forums for MPs and MLAs to discuss environmental problems facing the country. They stimulate public interest for saving the environs.
- 8. Training Executives:** Regular courses should be arranged for environ activities among administrators.
- 9. Research and Development Programmes:** Such R and D efforts are supported by D.O. Environment in Biosphere and Man.
- 10. Foundation Courses:** The courses for the probationers selected for the IAS, IFS, IPS and cadets of three wings of Armed Forces need to be supplemented with foundation courses on environment relevant to their area of specialisation.
- 11. Development of Educational Material and Teaching Aids:** Materials for media (T.V, radio, films, news -papers etc.), audio, mobile exhibitions, audio-visual materials must be operated by competent manpower. One such centre in India is Centre for Environmental Education, Ahmedabad.
- 12. Development of Trained Manpower:** Department of Environment (DOE) must organise training programmes for the professors, technical personnel, lecturers and legal experts.

13. National Environment Awareness Campaign or National Environment Month:

Commencing from 1986, DOEn conducts NEAC and NEM. From November 19th to December 18th every year is observed as NEM.

14. World Environmental Day: All Govts. in the states, UTs, universities, schools, colleges, academic institutions and voluntary organisations organise suitable activities on World Environmental Day, i.e., 5th June of each year. DOE supports the function financially.

C. Environmental Information:

DOE had set up a programme, i.e., Environmental Information System (ENVIS) in 1982. It is a decentralised system using distributed network of data bases for collection of environmental information. ENVIS network with DOE consists of 10 ENVIS centres on diverse areas of environment. It is established in specialised and reputed institutions in the country.

Importance of Environmental Education:

- i. How to handle environmental issues.
- ii. How to lead a better life with less pollution.
- iii. How to prevent the ecological crisis.
- iv. How to ensure socio-economic development and make this earth a better place to live in for the present and future generations.

S.No	Name of Department	Environmental Education in Syllabus	Green Research/ Environmental Conservation Activities	Animals used in Experiments	Ethical Committee
1	Microbiology	<ul style="list-style-type: none"> One Compulsory paper on environmental awareness in 2nd year of UG programme Ecology, Environmental biology, Environmental Chemistry, Green chemistry, Economics of environment, impact of mining on environment are also compulsory courses in various PG Programmes, and in UG Programme. 	<ul style="list-style-type: none"> Green Research- Synthetic Chemistry Research using Microwave Green environmentally benign techniques instead of the traditional methods. Green chemistry-degradation of dyes using nano-particles. Research related to various fields such as Limonology, Biodiversity, Vermicomposting. Environmental Conservation Activities Neutralising the chemical waste & effluent water before discharge, using micro scale experiment instead of using macro experiments. Simulation in silico exercises, before performing real time experiments to cut down on wastage of chemicals On Grid Solar system in Use. Minimisation of carbon footprints through maintenance of equipments and least use of Air conditioners. Aerated classrooms and ambience. Maximum use of day light in classrooms 	Nil	<ul style="list-style-type: none"> Zoology department has ethical committee which looks after the ethical issues. Chemical Hazard Ethical Committee in the Department of chemistry.
2	Chemistry				
3	BCA				
4	Botany				
5	Biotechnology				
6	Physics				
7	Electronics				
8	Zoology				
9	Maths + Statistics				
10	CS,CA+IT				
11	Geography				
12	Hindi +English +Economics				
13	Yoga				
14	Sport+ Multipurpose sports complex				
15	Geology				
16	Office				
17	Bioinformatics				
18	Ph. Chemistry				

G. TRANSPORTATION

An efficient transport sector is important for economic development and for the wellbeing of people. However, transport activities can generate various negative environmental impacts. The OECD has carried out recent studies to identify instruments and other approaches for reconciling transport and environmental policies.

Outdoor air pollution kills more than 3.5 million people across the world every year, and causes health problems from asthma to heart disease for many more.

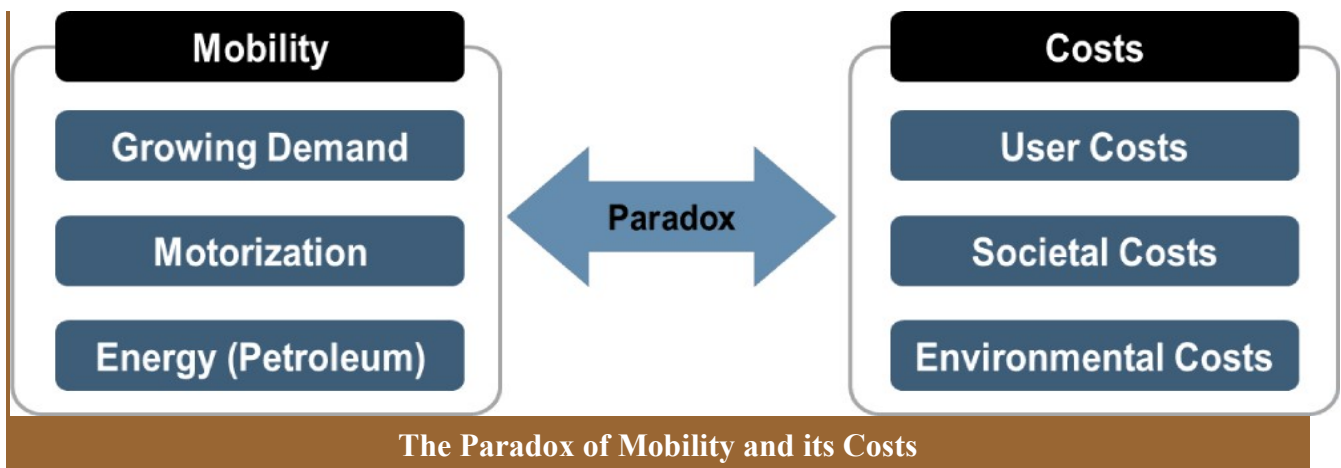
This is costing societies very large amounts in terms of the value of lives lost and ill health.

The issue of transportation and the environment is paradoxical in nature since transportation conveys substantial socioeconomic benefits, but at the same time transportation is impacting environmental systems. From one side, transportation activities support increasing mobility demands for passengers and freight, while on the other, transport activities are associated with **environmental impacts**. Further, environmental conditions have an impact on transportation systems in terms of operating conditions and infrastructure requirements such as construction and maintenance.

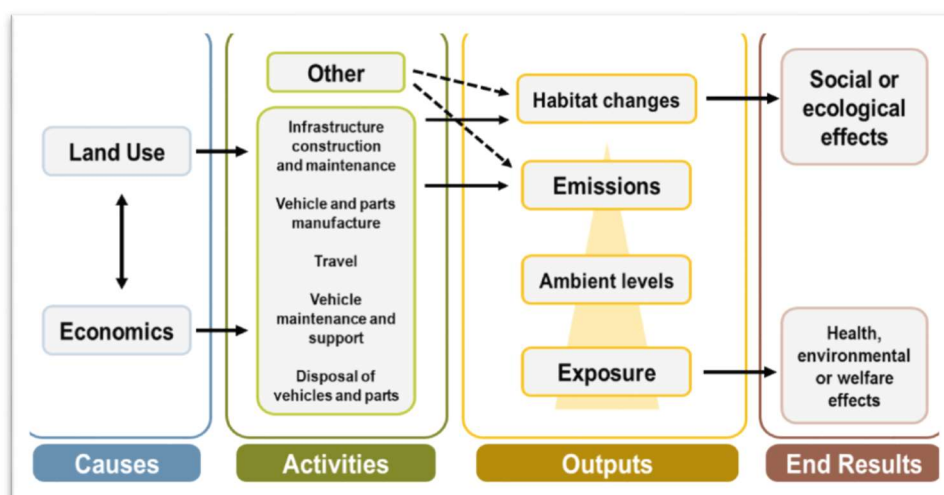
The growth of passenger and freight mobility has expanded the role of transportation as a source of emission of pollutants and their multiple impacts on the environment. These impacts fall within three categories:

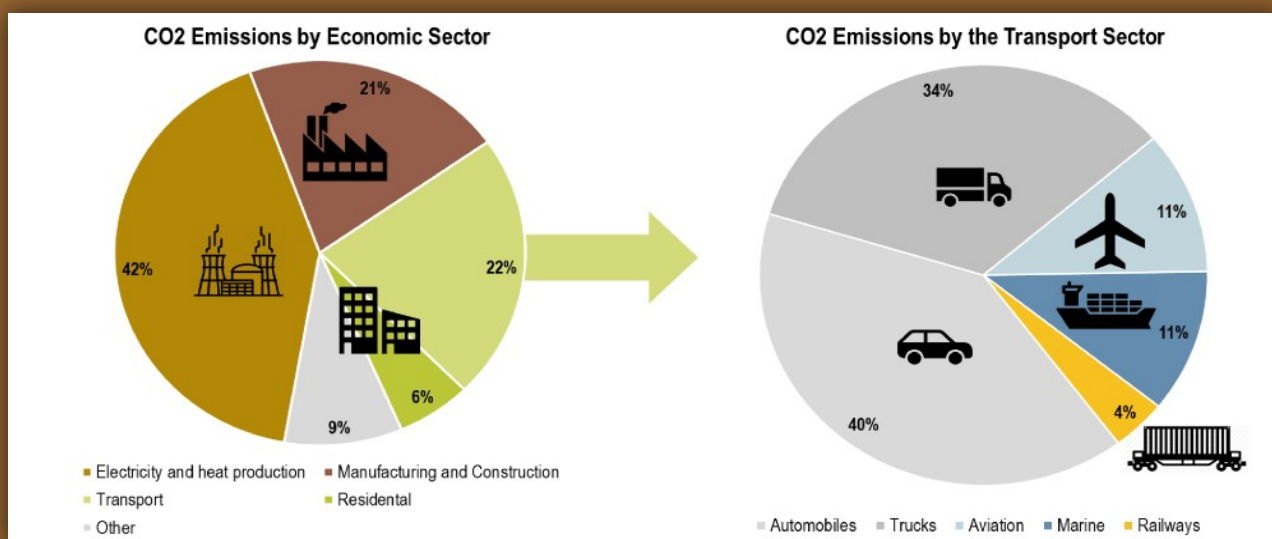
- **Direct impacts.** The immediate consequence of transport activities on the environment where the cause and effect relationship are generally clear and well understood. For instance, noise and carbon monoxide emissions are known to have direct harmful effects.
- **Indirect impacts.** The secondary (or tertiary) effects of transport activities on environmental systems. They are often of higher consequence than direct impacts, but the involved relationships are often misunderstood and more difficult to establish. For instance, particulates which are mostly the outcome of incomplete combustion in an internal combustion engine are indirectly linked with respiratory and cardiovascular problems since they contribute among other factors to such conditions.
- **Cumulative impacts.** The additive, multiplicative or synergetic consequences of transport activities. They consider the varied effects of direct and indirect impacts on an ecosystem, which are often unpredictable. Climate change, with complex causes and consequences, is the cumulative impact of several natural and anthropogenic factors, in which transportation plays a role. The share of transportation in global CO₂ emissions is increasing. 22% of global CO₂ emissions are attributed to the transport sector, with this share is around 25% for advanced economies such as the United States.

The complexities of the impacts have led to much **controversy** in environmental policy, the role of transportation and mitigation strategies. This is made even more complex by the fact that priorities between environmental and economic considerations shift in time, which can have an impact on public policy. The transportation sector is often subsidized, especially through the construction and maintenance of road infrastructure, which tend to be free of access. Sometimes, public stakes in transport modes, terminals and infrastructure can be at odd with environmental issues. If the owner and the regulator are the same (different branches of the government), then there is a risk that regulations will not be effectively complied to.



Total costs incurred by transportation activities, notably environmental damage, are generally not fully assumed by the users. The lack of consideration of the **real costs of transportation** could explain several environmental problems. Yet, a complex hierarchy of costs is involved, ranging from internal (mostly operations), compliance (abiding to regulations), contingent (risk of an event such as a spill) to external (assumed by the society). For instance, external costs account on average for more than 30% of the estimated automobile ownership and operating costs. If environmental costs are not included in this appraisal, the usage of the car is consequently subsidized by the society and costs accumulate as environmental pollution. This requires due consideration as the number of vehicles, especially automobiles, is steadily increasing.





Global Greenhouse Gas Emissions by the Transportation Sector

The Transport – Environment Link

The relationships between transport and the environment are **multidimensional**. Some aspects are unknown, and some new findings may lead to changes in environmental policies. Historically, transportation was associated with very few negative environmental impacts because of the modes used and the low mobility levels. For instance, the construction of large navies composed of sailships was responsible for a level of deforestation in Western Europe and North America from the 16th to the 19th centuries. Urbanization in the 19th century and the reliance on horses created problems concerning the disposal of manure. Further, industrialization and the development of steam engines lead to pollution (e.g. soot) near ports and rail yards. Still, these issues remained marginal and localized.

It is however only in the 20th century that a comprehensive perspective about the links between transportation and the environment emerged, particularly with the massive diffusion of transportation modes such as the automobile and the airplane. At the same time, manufacturing and marketing concepts such as **planned obsolescence** incited the design of modes such as the automobile and products (that are transported) that can continuously be replaced. The 1960s and 1970s were crucial decades in the realization of the negative environmental impacts of human activities and the need for regulations.

From an infrastructure perspective, the first comprehensive environmental regulation, the **National Environmental Policy Act (NEPA)**, was set in 1970 and required all federal agencies of the US government to make environmental impact assessments of their actions. Since an agency such as the Department of Transportation is an important provider and manager of transportation infrastructure, this legislation had substantial impacts on how transportation is assessed to be linked with environmental issues. One clear consequence was the growth in the length and the complexity of approving transport infrastructure projects to ensure they meet

environmental standards. Opponents of a project could also use the regulatory framework to delay, or even cancel its construction and on occasion change its design parameters (e.g. size). An unintended consequence was that the complexity of environmental regulations tend to impair innovations and incite current providers to keep existing infrastructure and facilities for the concern to trigger an uncertain environmental review with a new project. In time, this slowed down the development of transport infrastructure and substantially increased their costs.

From an operational perspective, the Clean Air Act of 1970 set clear air quality standards and expectations for both stationary (e.g. a power plant) and mobile (e.g. an automobile) sources of air pollutants. For transportation, it immediately set emissions standards for a list of acknowledged pollutants such as carbon dioxide, volatile organic compounds and nitrogen oxide. The outcome was a rapid decline of air pollutant emissions by the transportation sector through better engine technology. The Clear Water Act of 1977 provided a similar regulatory environment concerning water pollution and the ability to build infrastructures over wetlands.

The 1990s were characterized by a realization of **global environmental issues**, epitomized by the growing concerns between anthropogenic effects and climate change. Transportation also became an important dimension of the concept of sustainability, which has become a core focus, ranging from vehicle emissions to green supply chain management practices. These developments require a deep understanding of the reciprocal influence between the physical environment and transport infrastructures and yet this understanding is often lacking. The main factors considered in the physical environment are geographical location, topography, geological structure, climate, hydrology, soil, natural vegetation and animal life.

The environmental dimensions of transportation are related to the **causes**, the activities, the **outputs** and the **results** of transport systems. Establishing linkages between environmental dimensions is a difficult undertaking. For instance, to what extent carbon dioxide emissions are linked to land use patterns? Furthermore, transportation is embedded in environmental cycles, notably over the carbon cycle where carbon flows from one element of the biosphere, like the atmosphere, to another like the ecosphere, where it can be accumulated (permanently or temporarily) or passed on. The relationships between transport and the environment are also complicated by two observations:

- **Level of contribution.** Transport activities contribute among other anthropogenic and natural causes, **directly, indirectly and cumulatively to environmental problems**. In some cases, they may be a dominant factor, while in others their role is marginal and difficult to establish.
- **Scale of impact.** Transport activities contribute at different geographical scales to environmental problems, ranging from local (noise and CO emissions) to global (climate change), not forgetting continental / national / regional problems (smog and acid rain).

Establishing environmental policies for transportation thus must take account of the **level of contribution** and the **geographical scale**, otherwise some policies may just move the problems

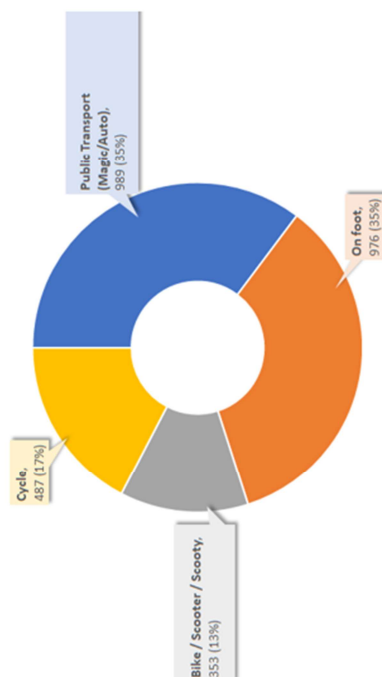
elsewhere and have unintended consequences. A noted example are environmental policies in advanced economies inciting the relocation of some activities with high environmental externalities (e.g. steel making) in developing economies. This transfer the problem from one location to another. Still, such as transfer usually involves new equipment and technologies that are usually having a lower environmental impact. Even if an administrative division (municipality, county, state) has adequate environmental enforcement policies, the geographical scale of an environmental impact (notably air pollutants) goes beyond established jurisdictions. This has become salient in the disposal of waste such as electronic goods that are transferred to developing economies with lower environmental regulations to be disposed or recycled.

The structure of the transport network, the modes used, and traffic levels are the main factors of environmental impact of transportation. Networks influence the spatial distribution of emissions (e.g. centralized versus diffuse networks), while modes relate to the nature of the emissions and the traffic to the intensity of these emissions. In addition to these environmental impacts, economic and industrial processes sustaining the transport system must be considered. These include the extraction and production of fuels, vehicles and construction materials, some of which are very energy intensive (e.g. aluminum), and the disposal of vehicles, parts as well as the provision of infrastructure. They all have a life cycle timing their production, utilization and disposal. Thus, the evaluation of the link between transport and the environment without the consideration of **cycles in the environment and in the product life** alike is likely to convey a limited overview of the situation and may even lead to incorrect appraisal, policies and mitigation strategies

This is one of the most important aspect which needs to be considered thoughtfully. At present our audit shows that almost 90% of the faculty members are using their own vehicles for transportation for to and fro. Similarly, a good number of students are using two wheelers for coming College Campus Though at present there is sufficient parking facility available and at the same time their ample green area is available in campus which is working as a sink for the pollution coming out of these vehicles. However, in coming time frame if the situation remains same there are chances of ambient air getting polluted.

S.No	Name of Department	No. of Vehicles with the Members of Deptt.	Members using public transport (%)	No. of Members using bicycles	No. of members pooling the Vehicles	No. of members on Foot
1	College staff/Teaching and non-teaching staff	130 (4 wheelers & 2 Wheelers)	00	14	10	-
2	Students (3215)	353 motorbikes (13%)	989 (35%)	487 (17%)	-----	976 (35%)
3	Visitors (40)					

STUDENTS
What mode of transport do you use to commute to college?



What mode of transport do you use to commute to college?

Public Transport (Magic/Auto)	989
On foot	976
Bike / Scooter / Scooty	353
Cycle	487
Total	2,805

ENVIRONMENTAL ACTIVITIES IN COLLEGE

ECO CLUB REPORT

Eco club has been active in the college since long by the name of Prithvi club, Environmental Planning & Coordination Organisation (EPCO) launched National Green Core scheme in financial year 2018-19 and with that the present Eco Club came into existence in the college. College was selected among 100 colleges in M.P. to establish ECO Club in the campus, a token amount of Rs. 5000/- was transferred electronically for the activities. Club has actively organized various activities to reduce carbon footprints in the college and for eco restoration collaborating with the flagship programme EEHSaS and ViSTAR on campus and off campus.

There are 50 registered student volunteers in the club who work on the level of planning execution and moderation, however club invites partnership from all students for its various activities and students participate in these activities. Participation in eco restoration activities on and off campus are never limited to 50 participants. Following activities are organized in collaboration with Flagship programmes in session 2018-19 and 2019-20

SESSION 2018-19: ON CAMPUS ACTIVITIES

- Dustbin implant in the college campus for segregation of dry and wet waste
- Shun Plastic campaign on campus
- Cleanliness drive around the session, removal of weeds in the garden
- Swaccha Shapath to the college students. During swaccha pakhwada from 2nd October 2018
- Plantation drive on campus in the month of August, September and October. Plantation of Students on the occasion of their birthday
- Essay competition Slogan Competition, short skit competition and save the tree campaign
- Ozone day celebration in the month of September
- Lecture Series on climate change and environmental protection

Lectures by Dr. Shashi Joshi, Dr. Shakuntala Pandey, Dr. Jeeven Singh Solanki

- Best out of waste competition in the college. Students prepared articles from paper Mache. Paper mache workshop for students to manage solid waste
- Round Table discussion on Chemical hazard management: Importance and how. Department of Chemistry and ECO Club
- Mitti ke Ganesh Karyashala to educate students about pollution control of water bodies.
- Water Resource management: Cleanliness drive around water bodies and water resources in the college by students
- Suggestions for the maintenance of Potable water bodies and filtration units in the college

OFF CAMPUS ACTIVITIES

- Participation of students in JAL Sammelan: A drive for water management white paper on River Shipra Under the leadership of Dr. Rajendra Singh The water man of India

- Cleanliness activities in the neighborhood community
- Cleanliness drive in the Adopted village. Awareness about pollution of water bodies.
- Plantation drive in the neighbourhood community and University campus.
- Shun Plastic campaign in the neighbourhood community

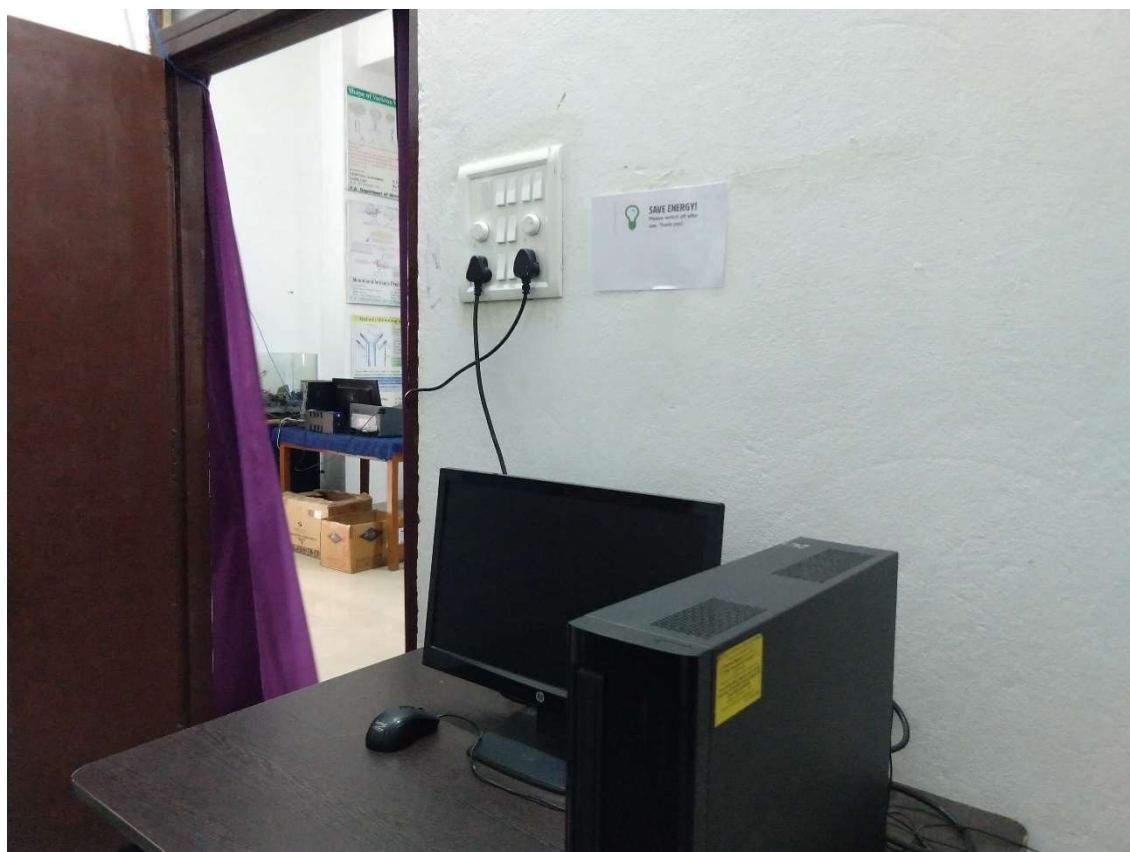
SESSION 2019-20: ON CAMPUS

- Celebration of Earth Day 2019 22nd April 2019
- Celebration of World Environment day 2019 5th June 2019s
- Plantation drive on campus in the month of August, September and October. Plantation of Students on the occasion of their birthday
- Cleanliness drive around the session, removal of weeds in the garden
- Essay competition Slogan Competition, short skit competition and save the tree campaign on the occasion of Hariyali Mahotsav
- Water Resource management: Cleanliness drive around water bodies and water resources in the college by students
- Ozone day celebration in the month of September 2019, 2020
- Lecture on Green elements of Periodic table on the occasion of International Year of Periodic Table 2019
- Lecture on “Stop Environmental Pollution adopt Green Chemistry” By Dr. Brijesh Pare Chairman ACT
- Lecture on Managing the blue Resource of Earth: Judicious use of water Resource
- Opening of International Year of Plant Health lecture on Plant health and Human Health by Dr. Sudha Mall
- Celebration of Earth Day 22nd April 2020 by preparing online flip file of posters sent online by students.
- National Webinar on “Challenges of sustainable development an inclusive Approach with Special reference to COVID Era” to Celebrate World Environment day 5th June 2020. Issues pertaining to the use of Renewable Energy specifically solar energy were discussed
- National Webinar on Economics and Ecology Chief guest Padma Bhushan Sh. Anil Prakash Joshi
- Social Project on impurity of Fluoride in drinking water of Ujjain
- “Climate change and it Impact on Health” discussion with Dr. M. Rajeevan Secretary ministry of Earth Science Govt. of India on you tube.

OFF CAMPUS (Till January 2020 only, activities suspended due to COVID)

- Cleanliness activities in the neighbourhood community
- Cleanliness drive in the Adopted village. Awareness about pollution of water bodies.
- Plantation drive in the neighbourhood community and University campus.
- Shun Plastic campaign in the neighbourhood community

























GOVT. MADHAV SCIENCE P.G.COLLEGE UJJAIN

A GRADE ACCREDITED THROUGH NAAC



Internal Quality Assurance Cell of Govt. Madhav Science P.G. College, Ujjain
INVITES YOU IN
WEBINAR ON

CHALLENGES OF SUSTAINABLE DEVELOPMENT: AN INCLUSIVE APPROACH WITH SPECIAL REFERENCE TO COVID ERA June 5th and 6th

INTERNATIONAL ENVIRONMENT DAY

SUPPORTED BY: N.G.C. CHAPTER, GOVT. MADHAV SCIENCE P.G.COLLEGE UJJAIN

SARS COV 2: Novel corona Virus has created an unforgettable impact across the globe. New Normals are set in, much has changed since the outbreak has emerged, each and every perspective of our life is redefined. Environment and sustainable development are no exception, section of intellectuals are turning their heads towards the practices adopted for modernization. There is a huge shout out NO TO DEVELOPMENT AT THE COST OF LIVES. We need to brainstorm to find new methodologies for sustainable development. We need to redefine practices whatever they are, we need to learn again about symbiotic and sustainable development. Govt. Madhav Science P.G.College Ujjain is organizing a two day WEBINAR on the occasion of International Environment Day 5th & 6th June 2020. Themes to be discussed among four sessions in two days are:

5th June 2020

Time : 2.30 p.m. - 5.00 p.m.
Clean and Green Energy for
Sustainable development
Safe planet: Symbiotic approaches

6th June 2020

Time : 2.30 p.m. - 5.00 p.m.
Inclusive Approach for
Sustainable Development
Water Resource management

ESTEEMED SPEAKERS

5th June 2020



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DR. MEGHA PUSHPENDRA
LEAD STRATEGIC COMMUNICATION AT
INTERNATIONAL SOLAR ALLIANCE



<https://in.linkedin.com/in/naturalist>
KARTIKEYA SINGH
FOUNDER WILDLIFE AND FORESTRY SERVICES
RECIPIENT OF TOFT BEST LODGE NATURALIST OF THE YEAR 2010 AWARD
& TIGERLAND INDIA BIODIVERSITY CONSERVATION AWARD 2016



<https://in.linkedin.com/in/sarabjot-kaur-97993b11b>
DR. SARBJOT KAUR MAKKAD
ASSTT. PROFESSOR NPG COLLEGE OF SCIENCE RAIPUR
SHYAMA PRASAD MUKHERJEE FELLOW
YOUNG SCIENTIST AWARDEE BY INDIAN CHEMICAL SOCIETY



<https://in.linkedin.com/in/dr-harish-vyas-34281136>
DR. HARISH VYAS
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https://www.researchgate.net/profile/DrBrijesh_Pare
DR. BRIJESH PARE
PROFESSOR CHEMISTRY
GOVT. MADHAV SCIENCE PG COLLEGE UJJAIN
CHAIRPERSON ALL INDIA CHEMISTRY TEACHERS ASSOCIATION

6th June 2020



https://en.wikipedia.org/wiki/Janak_Palta_McGilligan
DR (MRS) JANAK PALTA MCGILLIGAN
IS AN INDIAN SOCIAL WORKER AND THE FOUNDING TRUSTEE
AND VICE CHAIRPERSON OF JIMMY MCGILLIGAN CENTRE
FOR SUSTAINABLE DEVELOPMENT
SHE IS ALSO A FORMER DIRECTOR OF BARLI DEVELOPMENT
INSTITUTE FOR RURAL WOMEN



<https://www.ese.ito.ac.in/faculty/chetan-singh-solanki>
DR. CHETAN SINGH SOLANKI
DEPARTMENT OF ENERGY SCIENCE AND ENGINEERING,
IIT BOMBAY POWAI, MUMBAI
GANDHI GLOBAL SOLAR YATRA & ENERGY SWARAJ SANSTHAN

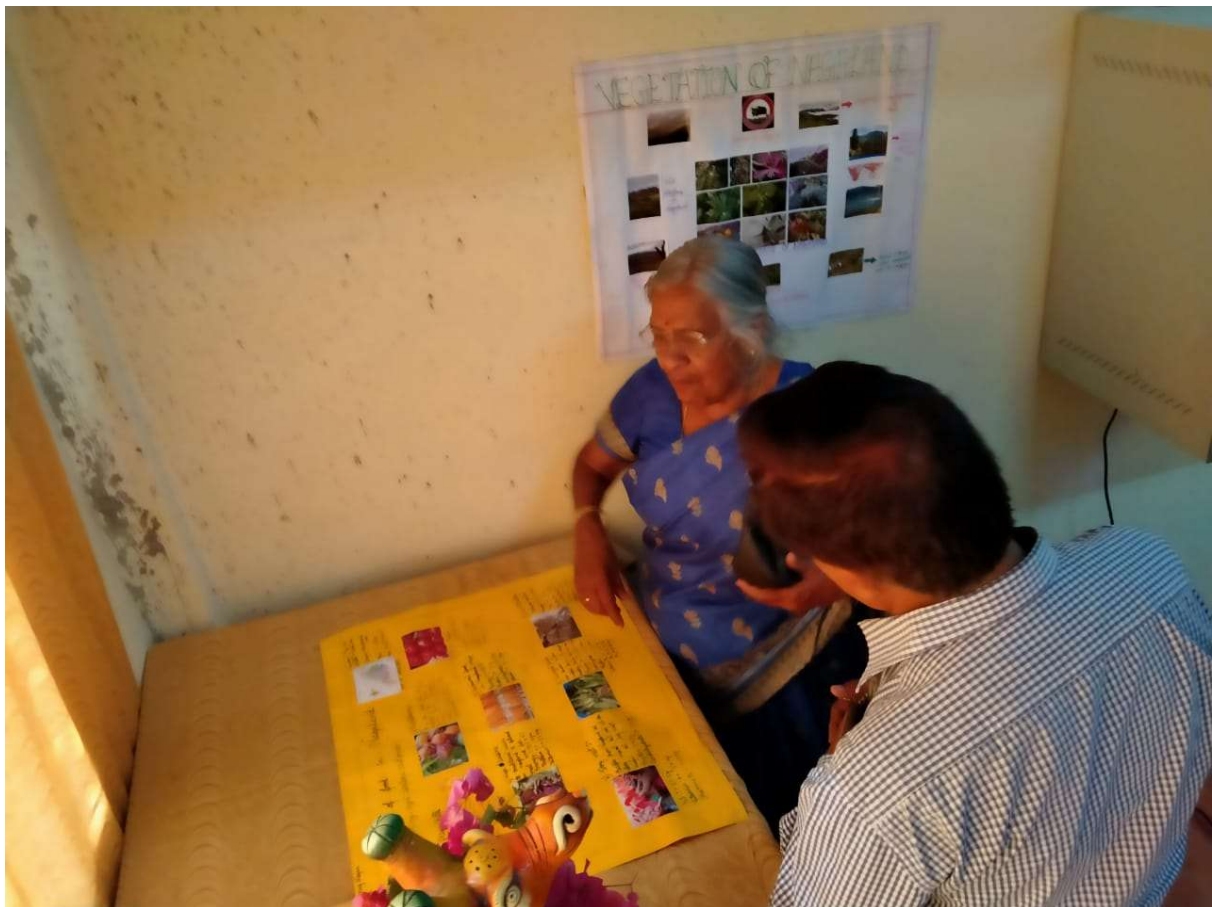
From :

Dr. Kalpana Virendra Singh
IQAC Coordinator

Dr. Manmeet Kaur Makkad
Coordinator
NGC College Chapter

Dr. Arpan Bhardwaj
Principal













पर्यावरण संरक्षण हमारा दायित्व है। और उसे हम
निभायेंगे: हरियाली अमावस्या की आप सभी को
शुभकानाएं



Materials from Waste





ECOMMENDATIONS

On the basis of the present audit report, the committee has come to following conclusions/ suggestions:

- ❖ To conserve the energy and continues use of renewable energy along with street lights (if not in use).
- ❖ Though efforts are being made by College to install solar lights however it needs to be done at larger scale so as to use the solar power in place of electricity.
- ❖ To recycle and reuse the sewage wastewater, it is highly recommended to install a sewage treatment plant in the College campus
- ❖ There is a high need of implementing the water harvesting system in old buildings as well as in the new developing infrastructure facilities (if any).
- ❖ Although the number of LED are found but, it is recommended to replace all the tube lights and CFL with LED lights.
- ❖ To maintain the air quality of the campus there should be awareness drive to reduce the number of vehicles being used by student's/ faculty members.
- ❖ It is recommended that a solid waste dumping site to be created in College campus, along with involving Municipal Corporation of Ujjain District, so that all solid waste collected and taken to designated place.
- ❖ It is recommended that all the trees in the College campus must be labeled with botanical and common names with mentioning its use.
- ❖ It is the need of hour to conduct time to time workshops/ lectures to create awareness among the students and staff.
- ❖ To reduce the carbon foot print it is suggested that use of bicycle within the campus be encouraged.
- ❖ It is recommended to involve nearby villages and schools for all the future events to community mass awareness and continues people participation for conservation of environment in the region.

LIONS CLUB UJJAIN DIAMOND

CLUB NO 136627, DISTRICT-3233G2

FF-2A Sunshine Tower, Freeganj, Ujjain (M.P.) 456010

Ph. 0734-2511777, Mob. 9826067895



Certificate of Appreciation

SWACHH CAMPUS RANKING 2019 of Higher Educational Institutions (Ujjain Zone)

*The Govt. Madhav Science College, Ujjain has been declared as
ranked first amongst the cleanest Higher Educational Institutions in
Ujjain zone in the Category of Higher Educational Institutions. This
certificate is awarded on 1st March 2019 at Ujjain.*

President

LIONS CLUB Ujjain division

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President

LIONS CLUB Ujjain division

Beyond the campus environmental promotional activities

(Flagship programme EEHSaS & ViSTAR)

Agencies NSS, NCC, ECO Club.

Supported by: IQAC

Govt. Madhav Science College Ujjain has rich culture of environmental promotional activities taken under the society connect programme of the college through Flagship programmes EEHSaS & ViSTAR, implementing agencies are NSS and NCC mainly. College has been the torch bearer of Jalsammelan where white paper on cleaning of SHIPRA the lifeline of Ujjain was taken out in the presence of water man of India sh. Rajendra Singh MAGSAYSAY Award winner. Approximately 650 students participated in the programme organized at jhalariya math Ujjain . Programme was organized in collaborations with organizations like jalbiradari, College was also one of the collaborator. NSS unit of the college has implemented swacchta abhiyan at adopted village. Students have also completed swacchta internships and worked successfully in ODF campaigns.

NSS, NCC, ECO Club under the purview of Flagship programme EEHSaS and ViSTAR organises plantation drives each year on the occasion of Van Mahotsava , these vanmahotsava activities are taken out in the neighbourhood community. Earth day activities are carried out each year on 22nd April, on this day environmental awareness programmes are organised in the adopted villages, plantation is also one of the activity. During the pandemic situation in 2020, activity was carried out with students designing the posters and spreading awareness by sharing these posters online.

As a commitment towards environmental protection college has organised workshops like mitti ke ganesh karyashala, where students has designed earthen Ganesha idols to stop water pollution during immersion of idols as Ujjain being an holy city famous for religious tourism, this type of issues are the major cause of pollution of water bodies. After attending the workshops students organise workshops in the neighbourhood community.

Campaign to stop overuse of Helium was organised to update society about the scarcity of helium being faced and about conservation of helium for MRI Machines by stopping the wastage in party balloons and in DISCO lights.

Best out of waste exhibitions are organized every year on 4R concept on World environment day. During the pandemic the same has been organized virtually

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TABLE

Sr. No	Name of Initiative	Session	Name of Organizing Unit	No of students
1.	Clean Simhastha Activity	2015-16	NSS	124
2.	Earth day celebrations	2017 2018 2019 2020	IQAC Flagship EEHSaS & ECO CLUB	2017 -35 2018-45 2019-64 2020--59
3.	Van Mahotsava By NSS	2015 TO 2020	NSS	
4.	World environment day	2015 TO 2020	IQAC Flagship EEHSaS & ECO CLUB	2015-52 2016- 41 2017-68 2018-43 2019-52 2020-89
5.	Mitti ke ganesh (Stop water pollution): spreading the word	2017 2018	IQAC NSS EEHSaS ViSTAR	
6.	Stop overuse of Helium Campaign: Helium the endangered element of periodic Table	2017 & 2018	IQAC Flagship PURE	2017-23 2018-32
7.	Ban the Plastic Campaign	2017 2018 2019 2020	IQAC Flagship PURE	2017-29 2018-18 2019-16
8.	Swacchta pakhwada by NSS		NSS	
9.	ODF Campaign		NSS	
10.	Jal sammelan white paper on Shipra	2019	NSS Jalbiradari college chapter	650

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11	Clean air for green skies webinar	2020	IQAC Flagship PURE	
12.	Eco Club Activities	2017 to 2020	ECO Club	



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IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN







राष्ट्रीय जल सम्मेलन

(क्षिप्रा एवं भारत की अन्य नदियों के संदर्भ में)

16 - 18
दिसंबर
2019



क्षिप्रा नदी की जब करोगे रक्षा


जल-जीवन-जंगल सब होगा अच्छा



वृक्ष लगाओ




**जलवायु परिवर्तन
के बढ़ते प्रभाव को रोके**



जल संरक्षण

स्थान - झालरिया मठ, उज्जैन


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IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN



कार्यक्रम विवरण

प्रथम दिवस, 16 दिसम्बर 2019

प्रति: 09:00 से 12:00 बजे	जल यात्रा उज्जैन नगर घंटाघर से ब्रह्मलिया बट, श्री वातपुत्रकुंद आश्रम, नर्मदा गेट तक
12:00 से 01:30 बजे	उद्घाटन सत्र
02:30 से 6:00 बजे	शिवा नदी में जल संकट और उसके निपटने के जगती या विविध तरीकों का आलोचन
06:00 से 07:00 बजे	नदी पुनर्जीवन हेतु भारत में किये जा रहे विविध प्रयासों पर नया फिल्मों का प्रदर्शन

द्वितीय दिवस, 17 दिसम्बर 2019

06:30 से 07:00 बजे	प्रार्थना
10:00 से 01:00 बजे	समानांतर सत्र नदी पुनर्जीवन, संचार और संचार तारों का अस्तित्व एवं इनकी संस्कृति विपुल होने तालत और इनका गुणगार नग की अस्तित्व में पुनर्निर्माण प्राकृतिक संसाधनों के संरक्षण में संचार की भूमिका जल संरक्षण में महिलाओं का योगदान जलवायु परिवर्तन में युवाओं की भूमिका शैक्षिक क्षेत्रों एवं वनस्पति सन्तुष्टि जल संचार में युधि सांस्कृतिक कार्यक्रम
07:00 से 08:30 बजे	

आमंत्रण पत्र

राष्ट्रीय जल सम्मेलन

(शिवा एवं भारत की अन्य नदियों के संदर्भ में)

दिनांक - 16-18 दिसम्बर 2019

मान्यवर,

आप सब अवगत है कि वर्तमान में भारत की अधिकांश नदियां अपने न्यूनतम जल प्रवाह में बह रही हैं। नदियों के प्रवाह में समांतर आ रही कमी के कारण अधिकांश नदियां मौसमी नदियों में परिवर्तित हो गयी हैं। साल भर बहने वाली नदियों में अब वर्षापूर्व जल का प्रवाह नहीं रहता, जिसके कारण नदी के किनारों का समाप्त व्यापक रूप से प्रभावित हो रहा है, जिसके कारण सूखा और जल संकट निरन्तर बढ़ रहा है। किसानों संकट में है, पेयजल का भी गम्भीर संकट होता जा रहा है, जलवायु परिवर्तन के कारण हलात दिन-प्रतिदिन खराब होते जा रहे हैं। शिवा जैसी पवित्र-पावनी नदी भी धीरे-धीरे अपने अस्तित्व को खोती जा रही है।

हम सभी जानते हैं कि जल जीवन के लिए मुख्य संसाधन है जो अन्य वस्तुओं की तरह बनाया नहीं जा सकता, यह पृथ्वी सभी जीवित प्राणियों के लिए प्रकृति का एक उपहार है। इस उपहार को संयोजक सचन हम सब की जिम्मेदारी है। भारत में 34 प्रमुख नदी घाटिया हैं। धातु, उद्योगिक और कृषि के लिए बढ़ती मांग के कारण, अधिकांश नदी घाटियों पर पानी का दबाव है। बढ़ती आबादी, बढ़ती आर्थिक गतिविधियों और बढ़ती मांग के कारण पहले से ही तनावग्रस्त जल संसाधनों पर दबाव बढ़ता जा रहा है। भूजल, हमारी कुल जल आपूर्ति में एक महत्वपूर्ण भूमिका निभाता है, जो हमारी लगभग 85 प्रतिशत ग्रामीण मांग, 50 प्रतिशत शहरी आवश्यकताओं और 84 प्रतिशत से अधिक सिंचाई आवश्यकताओं को पूरा करता है। बढ़ते जल संकट के इस परिपेक्ष्य में दिनांक 16-18 दिसम्बर 2019 को ज्ञातिया मठ, उज्जैन में राष्ट्रीय जल सम्मेलन का आयोजन किया जा रहा है। जिसमें देशभर के विशेष-विदेशी, सामाजिक कार्यकर्ता और प्रशासनिक अधिकारी भाग ले रहे हैं।

इस सम्मेलन में आप साहज आमंत्रित हैं, आपकी उपस्थिति शिवा सहित देश की अन्य नदियों के पुनर्जीवन के लिए किये जा रहे प्रयासों को सफल प्रदान करेगी।

अतः आपसे आग्रह है कि इस महत्वपूर्ण आयोजन में पधारने की कृपा करें।

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GOVT. MADHAV SCIENCE COLLEGE, UJJAIN

A GRADE ACCREDITED THROUGH NAAC

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AFFILIATED TO VIKRAM UNIVERSITY UJJAIN

IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN



कार्यक्रम विवरण

तृतीय दिवस, 18 दिसम्बर 2019

09:00 - 11:00 बजे	देश में किये जा रहे नदी पुर्नजीवन एवं जल संरक्षण के सफल प्रयासों का प्रस्तुतीकरण
11:00 से 01:00 बजे	समापन सत्र भविष्य की कार्ययोजना एवं जवाबदेहियों का निर्धारण, सम्मान समारोह, उज्जैन घोषणा पत्र का वाचन

संरक्षक मण्डल – ओमप्रकाश खत्री, सुरेन्द्र सिंह अरोरा, गोविन्द खंडेलवाल, यशवंत जैन, सुरेश मोड़, महेश कांनडी, दिवाकर नातू, राजहुजुर सिंह गौर, जवाहर जैन, कोमोडोर चमन जैन, अजय भार्गव

स्वागत समिति – डॉ. नलिनी लंगर, अतुल गार्गव, नितिन डफरिया, संजीव गुप्ता, रमेश तिवारी, सजेंद्र खरात, मुकेश जौहरी, डॉ. पी. पी. वशिष्ठ, डॉ. शुभा जैन, अवनीश गुप्ता, मिथलेश गर्ग, मीनू भार्गव, राजेंद्र गुरु, श्याम माहेश्वरी, राजेश माहेश्वरी, रवि वर्मा, सुधीन्द्र मोहन शर्मा, नवीन नाहर

स्वास्थ्य समिति – डॉ. विमल कुमार गर्ग, फादर एन्टोनी, डॉ. अनूप निगम, डॉ. केतन सिलवाडिया, डॉ. के. एस. देवडा, डॉ. आर. एन. वांचू

भोजन एवं जलपान समिति – प्रह्लाद वर्मा, पुरुषोत्तम टेलर, अशोक जैन, सरोज अग्रवाल

प्रिंटिंग समिति – शांति कुमार पोरवाल, स्वप्निल वाफना

परिवहन समिति – अशोक गर्ग, नन्द किशोर उपाध्याय, गुरुबकश सिंह अरोरा

व्यवस्था समिति – धिरिश पारिख, आर.सी. जैन, जगदीश पांचाल

सांस्कृतिक समिति – प्रकाश रघुवंशी, पद्मजा रघुवंशी, स्वाति तैलंग

पंजीयन समिति – पुष्पा खरात, आशा जौहरी, ममता रैना, उरुषा हाशमी, निर्मला शर्मा, किरन यादव, सुरेश शर्मा, प्रफुल्ल यादव

प्रवास समिति – अजय भार्गव, धीरेन्द्र रैना, शाहिद हाशमी

रैली आयोजन समिति – प्रकाश रघुवंशी, प्रह्लाद वर्मा, सुनील गुप्ता, जगदीश पांचाल, श्याम माहेश्वरी, सरोज अग्रवाल, विक्रम सूर्यवंशी, प्रफुल्ल अदलावदकर

निवेदक - जल विरादरी, जल जन जोड़ो अभियान, रोटरी क्लब उज्जैन
संयोजक - रवि प्रकाश लंगर (पूर्व गवर्नर) रोटरी क्लब, उज्जैन (9131539040)

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IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN






राष्ट्रीय जल सम्मेलन

(क्षिप्रा एवं भारत की अन्य नदियों के संदर्भ में)

16-18 दिसम्बर 2019



हम सभी जानते हैं, जल, जीवन के लिए मुख्य प्राकृतिक संसाधन है, जो अन्य वस्तुओं की तरह बनाया नहीं जा सकता है। यह पृथ्वी पर सभी जीवित प्राणियों के लिए प्रकृति का एक उपहार है। भारत दुनिया की आबादी के लगभग 18 प्रतिशत लोगों का घर है, लेकिन भारत के पास दुनिया के नवीनीकृत जल संसाधनों का केवल 4 प्रतिशत है। भारत में 4,000 बिलियन क्यूबिक मीटर (बीसीएम) की औसत वार्षिक वर्षा होती है जो देश में ताजे पानी का मुख्य स्रोत है। यद्यपि, देश के विभिन्न क्षेत्रों में वर्षा में व्यापक भिन्नता है। इसी कारण भारत समय-समय पर बाढ़ और सूखे दोनों का सामना करता है। ग्लोबल वार्मिंग का प्रभाव वर्षा में अस्थायी और स्थानिक भिन्नता को बढ़ाता है, और पानी की उपलब्धता को प्रभावित करता है। जिसके परिणामस्वरूप वर्तमान में, भारत के 365 जिले सूखे से प्रभावित हैं, जबकि इसी वर्ष 190 जिले बाढ़ से प्रभावित रहे हैं।

भारत में 34 प्रमुख नदी घाटियाँ हैं। घरेलू, औद्योगिक और कृषि उपयोगों की बढ़ती मांग के कारण, अधिकांश नदी घाटियों पर पानी का दबाव है। बढ़ती आबादी, बढ़ती आर्थिक गतिविधियों और बढ़ती मांग के कारण पहले से ही तनावग्रस्त जल संसाधनों पर दबाव बढ़ाता जा रहा है। भूजल, हमारी कुल जल आपूर्ति में एक महत्वपूर्ण भूमिका निभाता है, जो लगभग 85 प्रतिशत ग्रामीण मांग, 50 प्रतिशत शहरी आवश्यकताओं और 84 प्रतिशत से अधिक हमारी सिंचाई आवश्यकताओं को पूरा करता है।

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GOVT. MADHAV SCIENCE COLLEGE, UJJAIN

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IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN



कार्यक्रम विवरण

प्रथम दिवस, 16 दिसम्बर 2019

06:00 से 12:00 बजे	जन बाबा उज्जैन नगर घंटाघर से ब्राह्मणियां घट, श्री बालमुकुंद आश्रम, नर्मिंह घाट तक
12:00 से 01:30 बजे	उद्घाटन सत्र
01:30 से 02:30 बजे	भोजनारंभकार
02:30 से 06:00 बजे	शिप्रा नदी में जन संकट और उत्तम निपटारे के उपायों पर शिक्षण सत्रों का आयोजन
06:00 से 07:00 बजे	नदी पुनर्वसन हेतु भारत में किये जा रहे शिक्षण प्रयासों पर जयु फिल्मों का प्रदर्शन
सायं 06:00 बजे	रात्रि भोजन

द्वितीय दिवस, 17 दिसम्बर 2019

06:30 से 07:00 बजे	प्राचीन
10:00 से 01:00 बजे	समानांतर सत्र
	नदी पुनर्वसन, समान और सरकारी
	तालाबों का अस्तित्व एवं इनकी संरक्षित
	विनष्ट होते तालाब और इनका पुनर्वास

10:00 से 01:00 बजे	संगा की अविनाश में पुनर्वसित
01:00 से 02:00 बजे	भोजनारंभकार
02:00 से 05:00 बजे	प्राकृतिक संसाधनों के संरक्षण में समाज की भूमिका
	जन संरक्षण में महिलाओं का योगदान
	जनवायु परिकल्पना में युवाओं की भूमिका
	वैयक्तिक खेलों एवं वर्तमान खेल
07:00 से 08:30 बजे	जन संरक्षण में शिक्षा
	प्राकृतिक कार्यक्रम
सायं 08:30 बजे	रात्रि भोजन

तृतीय दिवस, 18 दिसम्बर 2019

09:00 से 11:00 बजे	देश में किये जा रहे नदी पुनर्वसन एवं जन संरक्षण के सफल प्रयासों का प्रस्तुतीकरण
11:00 से 01:00 बजे	समापन सत्र भविष्य की कार्ययोजना एवं नवावधारणों का निर्धारण, सम्मान समारोह, उज्जैन पोषण पत्र का वाचन

आवश्यक सम्पर्क

विद्यार्थी सम्पर्क - विनिर्देश वाचक (9005554421, 9298609137)
प्रशिक्षण सम्पर्क - निर्देश वाचक (9005554421, 9298609137)
संयोजक सम्पर्क - व्यावहारिक (9131536407), वैयक्तिक (9575176237)

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जल सम्मेलन • 16 प्रदेशों के जल विशेषज्ञों को लगातार प्रदूषित हो श्वेतपत्र जारी...नालों का गंदा पानी रोके, हटाएं, पौधे रोपे तो फिर प्रवाहमान हो सव

11-12 जनवरी को सीएम को
देगे प्रस्ताव ताकि अमल हो

भारत संजयसिंह | 11 जन

शिव को प्रवाहमान और प्रदूषण मुक्त करने के लिए राष्ट्रीय जल सम्मेलन में देश के जाने-माने जल संरक्षण विशेषज्ञों से भागकर ने पांच उपाय पूछे। इन्हें अपनाने से शिव को फिर से स्वच्छ बनाया जा सकता है। इन उपायों को सम्मेलन के श्वेतपत्र में शामिल किया है। 11-12 जनवरी 2020 को बीएनएम में सीएम कमलनाथ को श्वेतपत्र प्रस्तुत किया जाएगा, ताकि कार्य जोमान बनाए।

शिव बिन्दू रामघाट के समीप स्थित झालरिया मठ में राष्ट्रीय जल सम्मेलन के दूसरे दिन में देशभर से आए जल-पुनर्जीवन के विशेषज्ञों ने शिव को प्रवाहमान व प्रदूषण मुक्त बनाने के लिए कौन-कौन-से उपाय किए। सम्मेलन के दौरान में देश के विभिन्न राज्यों के पर्यावरणविदों ने अपने विचार रखे। राम को जलपूरण सॉल्यूट मिल और जल-जन जोड़ो अभियान के संजय सिंह के साथ दल अखड़ा घाट पर शिव संरक्षण का संकल्प लेने के लिए ये कार्यकर्ता रैली के रूप में पहुंचे। सम्मेलन का श्वेतपत्र: संस्था- अनिवार्यता वर्क, कान से औद्योगिक प्रदूषण, शहरी नालों का प्रदूषण, कटाव, अवैध खनन। निधान- समुदाय स्तर पर सुखा समिति, तकनीकी स्तर पर योजना, शासन- प्रशासन स्तर पर कार्यवाही। **जल बिगदारी का मकन:** सम्मेलन में जल बिगदारी के रउम की जिम्मेदारी डॉ. सुधीर मोहन शर्मा, डॉ. अरुण भारद्वाज, डॉ. सुरजोत्तम जोशी, डॉ. विजय देलर व गोविंद खंडेलवाल को दी।



रामघाट की रफ पर जलपूरण की शिव को बनाने के लिए रैली निकालकर संकल्प लिया।

ये पांच उपाय जरूरी, जिससे शिव को फिर से नया जीवन मिल सकता है

1. गंदे नालों से नयी प्रकृति और समृद्ध हो रले
2. नालों के प्रदूषण को रोकें
3. शिव बिन्दू पर औद्योगिक और शहरी जल अमल
4. अतिरिक्त बड़े बिन्दु पर कार्यवाही
5. देशभर का जलपूरण जारी है

भारत एनसपर्ट टीम- जल-जन जोड़ो राष्ट्रीय समिति, विनयक भार बिन्दु को रैली में अग्रणी प्रकन। जल-जन जोड़ो राष्ट्रीय समिति, बिन्दु के पूर्व गंधे को रैली में अग्रणी प्रकन।

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10 गांवों में आई जलसमृद्धि

जल पुरुष राजेंद्र सिंह और प्रभारी मंत्री सज्जन वर्मा सम्मेलन में बोले
मोदी ने गंगा मां से झूठ बोला तो ठोकर लगी

शिप्रा को प्रवाहमान और प्रदूषण मुक्त करने की कार्ययोजना बनाने के लिए आयोजित राष्ट्रीय जल सम्मेलन का सोमवार को जल पुरुष राजेंद्रसिंह और अन्य अतिथियों ने दीप प्रज्वलित कर शुभारंभ किया। जल पुरुष राजेंद्रसिंह ने अपने उद्बोधन में प्रधानमंत्री नरेंद्र मोदी पर तंज कसा। उन्होंने कहा मोदीजी अब कह रहे हैं गंगा को कमाई का जरिया बनाएंगे। जब वे चुनाव लड़ने आए थे तो गंगा को मां कह रहे थे। अब गंगा से कमाई की बात कह रहे हैं। हमारा कहना है- गंगा को मां नहीं कहने की हिम्मत दिखाओ। बोलो गंगा हमारी मां नहीं है। प्रभारी मंत्री वर्मा ने भी अपने उद्बोधन में सिंह की इस बात को आगे बढ़ाया। वे बोले- जब भी कोई अपनी मां से झूठ बोलता है तो उसे ठोकर जरूर लगती है। प्रधानमंत्री ने गंगा मां के सामने झूठ बोला तो ठोकर खानी पड़ी। कानपुर की ठोकर से शायद हमारे ये ठाकुर संभल जाए तो अच्छा है।

देरी से पहुंचे प्रभारी मंत्री वर्मा ने कहा हमने आज ही इंदौर और उज्जैन के अफसरों की बैठक लेकर शिप्रा को साफ और प्रवाहमान बनाने की योजना बनाने को कहा है। हम शिप्रा को साफ देखना चाहते हैं। इसके लिए जितना पैसा लगेगा, सरकार देगी। चाहे इसके लिए अन्य विभागों का बजट कम करना पड़े।

दैनिक भास्कर के प्रयास की सराहना

सम्मेलन में दैनिक भास्कर के अभियान में शिप्रा किनारे सवा लाख पीथे लगाने का जिक्र भी आया। सम्मेलन के सूत्रधार रविप्रकाश लंगर ने बताया शिप्रा को प्रवाहमान करने के लिए भास्कर ने पीधारोपण अभियान चलाया था। सप्त सागर को पुनर्जीवित करने के लिए भी भास्कर ने मुहिम शुरू की है। सम्मेलन की एलईडी स्क्रीन पर दैनिक भास्कर की खबरों का प्रदर्शन भी किया गया।

कुलपति बोले- शिप्रा को गंदा करना अपराध

विक्रम विश्वविद्यालय के कुलपति बालकृष्ण शर्मा ने कहा शास्त्रों में जितने अपराधों का जिक्र है, उनमें एक बुद्धिपूर्वक किए अपराध का भी जिक्र है। शिप्रा को गंदा करना इसी अपराध की श्रेणी में आता है। उन्होंने कहा नदी का अर्थ होता है जिसमें नाद यानी आवाज सुनाई दे। आज किसी भी नदी की आवाज सुनाई नहीं देती। तीर्थ वहां होते थे, जहां सबसे साफ पानी रहता था। आज हम तीर्थ के जल को साफ करने की बात कर रहे हैं। इन हालातों का जिम्मेदार कौन है। सृष्टि के जन्म, पालन और विलय तीनों ही में जल की जरूरत है। यह सम्मेलन शिप्रा के लिए सार्थक पहल लेकर आएगा। इस कार्यक्रम में जल विशेषज्ञ संजय सिंह, माधव साईंस कॉलेज के डॉ. अर्पण भारद्वाज ने भी संबोधित किया। सम्मेलन शुरू होने के पहले सुबह क्षीरसागर मैदान से रैली निकाली गई। रैली में स्कूली बच्चे, एनसीसी, एनएनएस के बच्चे, समाजसेवी व सम्मेलन में आए लोग शामिल हुए।

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Student list of college Student

Participant List					Place - Jhalriya Math, Ujjain		
Sl. No.	Name	Place	E mail	Mobile	Signature		
					16 Dec.	17 Dec.	18 Dec.
243	dipanshu Parmar	kaytha		8602505050			
244	Kamuel Prajapati	Lokhachedi	Prajapati.kamuel182@gmail.com	8120358143			
245	Ravi Mishra	Ujjain	rm9867746@gmail.com	8817203370			
246	Jeevan Damar	Lalgate, Ujjain	jeevansinghdamar@gmail.com	7024833048			
247	Deepak Damar	Jawaharnagar Nanakheda		7223059059			
248	Dinesh muniya	Ujjain	dineshmuniya19@gmail.com	8269944902			
249	Kantilal Razul Bhushiya	Ujjain	kantubhushiya9685@gmail.com	89685292608			
250	Rajesh Dunder	Ujjain	rajeshdunder@gmail.com	7024540507			
251	Rajesh Vadkhadga	Ujjain	rajeshvadkhadga@gmail.com	8269283072			

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Date - 16-18 December 2019

Place - Jhalriya Math, Ujjain

Participant List

Sl. No.	Name	Place	E mail	Mobile	Signature		
					16 Dec.	17 Dec.	18 Dec.
180	Kamlesh Rathi	UJJAIN		7226145251			
181	Agnibhram Bhusha	UJJAIN	agnibhram0734@gmail.com	7067542220			
182	Dipak Dama	UJJAIN		6260821586			
183	Dinesh Tailor	UJJAIN		9173757757			
184	Kamlesh Attawa	UJJAIN	kamleshattawa45898@gmail.com	9588738496			
185	Abhishek Rawat	UJJAIN	abhishekrawat07@gmail.com	9977101065			
186	Satish RAWAT	UJJAIN		7610553637			
187	Jagzati Badgaji	UJJAIN		9039724774			
188	Tevarsing	UJJAIN		7879890822			

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December 2019

Participant List

Place - Jhalriya Math, Ujjain

Sl. No.	Name	Place	E mail	Mobile	Signature		
					16 Dec.	17 Dec.	18 Dec.
117	Smriti Gupta	Govt. Madhav Science College, Ujjain		7470532949			
118	Akanksha Malviya	Ujjain		7415731388			
119	Naraindya Royput	Ujjain		6264709526			
120	Kishore Sangara	Ujjain		9827801287			
121	Rohit Thakur	Ujjain		8305474489			
122	Mhd. Ali	Ujjain		9977920569			
123	Shivani Alawe	Ujjain		7067381328			
124	Shreeta Jain	Ujjain		9109866236			
125	Kuldeep Patidar	Ujjain		9589292205			

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HONOUR CODE
CERTIFICATE

SSA_2020_08170



Energy Swaraj Foundation
Energy by Locals for Locals



Certificate of Participation



This is to certify that

Rohit Yogi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
organized by the Energy Swaraj Foundation on 2nd October 2020
in association with
Govt. Madhav Science College

2nd October 2020

Date

Swati Kalwar
Chief Executive Officer
Energy Swaraj Foundation

Signature Not Verified

The authenticity of this certificate can be validated at <https://energyswaraj.org/>
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HONOUR CODE
CERTIFICATE

SSA_2020_08171



Energy Swaraj Foundation
Energy by Locals for Locals



Certificate of Participation



This is to certify that

Haripriya Rathore

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
organized by the Energy Swaraj Foundation on 2nd October 2020

in association with

Govt. Madhav Science College

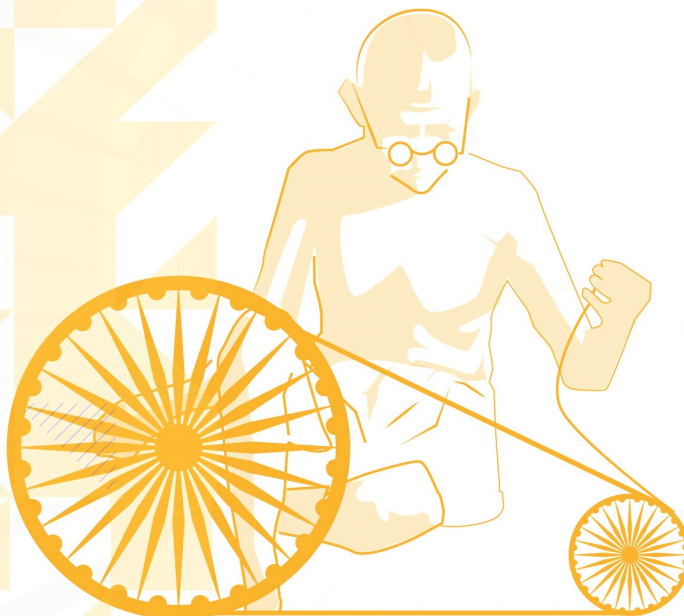
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Certificate of Participation



This is to certify that

Rajesh Bhabor

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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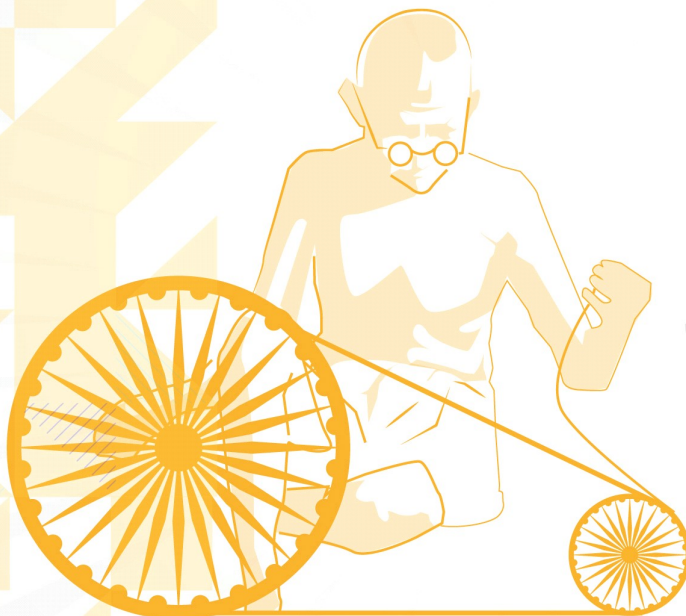
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Certificate of Participation



This is to certify that

Kratika Upadhyay

has successfully attended a three-hour webinar on

Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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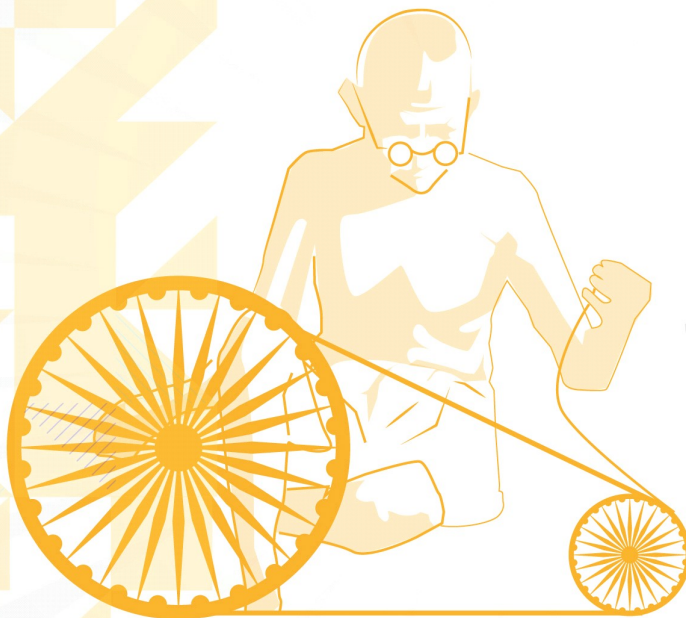
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Certificate of Participation



This is to certify that

Radheshyam Sunaniya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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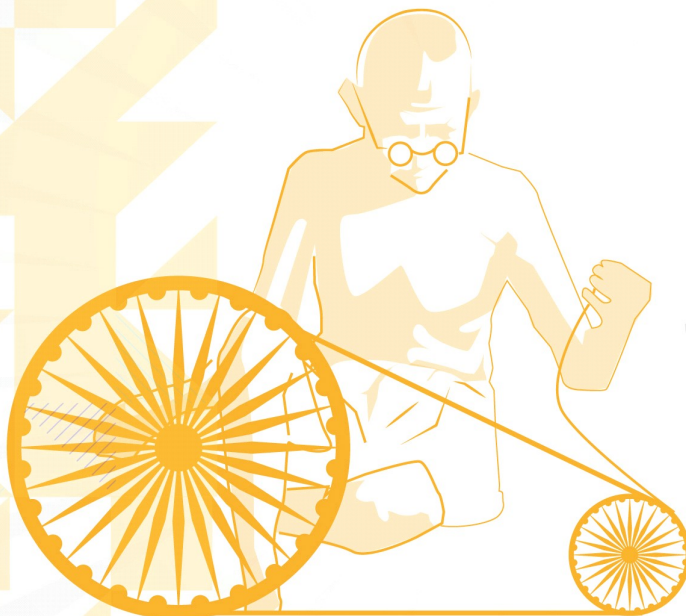
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Certificate of Participation



This is to certify that

Poonam Shekhawat

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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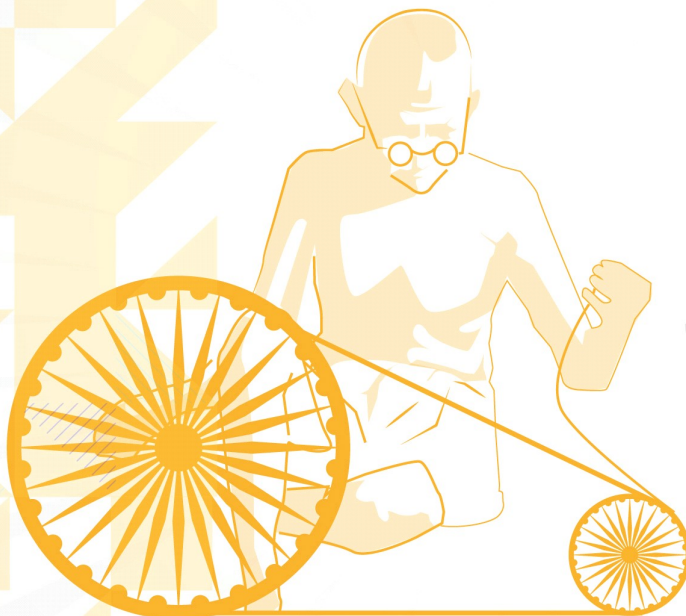
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Certificate of Participation



This is to certify that

Kusum Gaveri

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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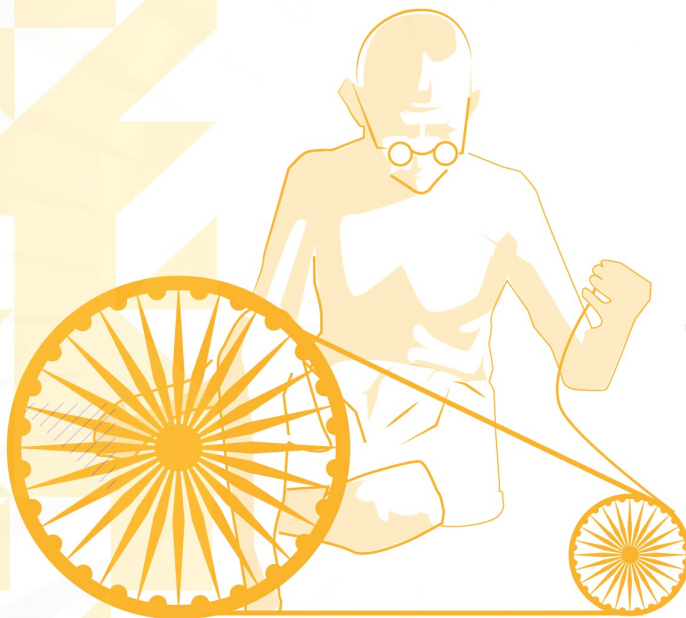
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Certificate of Participation



This is to certify that

Nalin Shukla

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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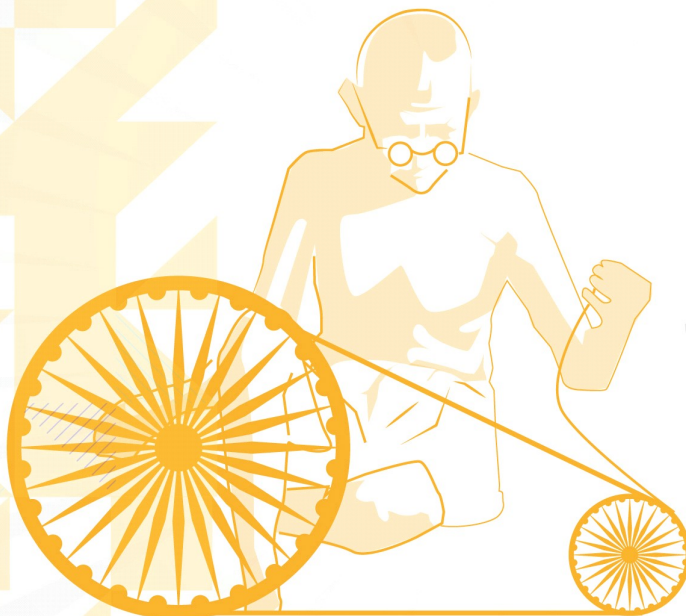
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Certificate of Participation



This is to certify that

Mr. Ishvarlal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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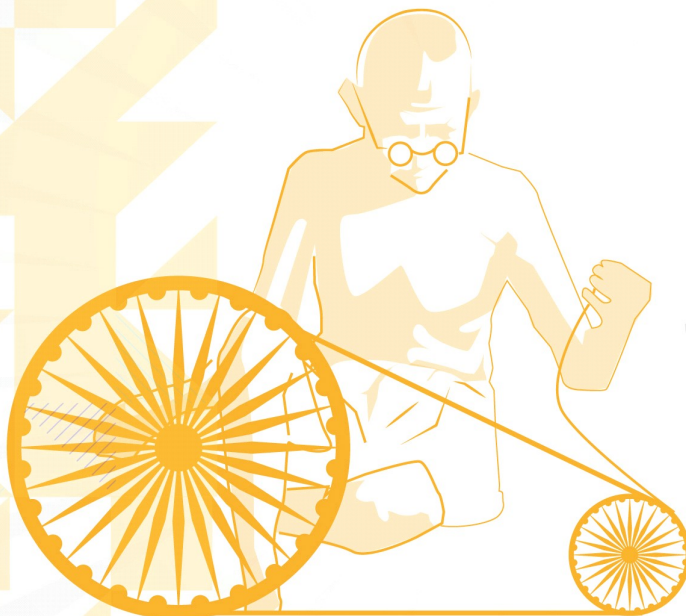
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Certificate of Participation



This is to certify that

Dr Nayma Siddiqui

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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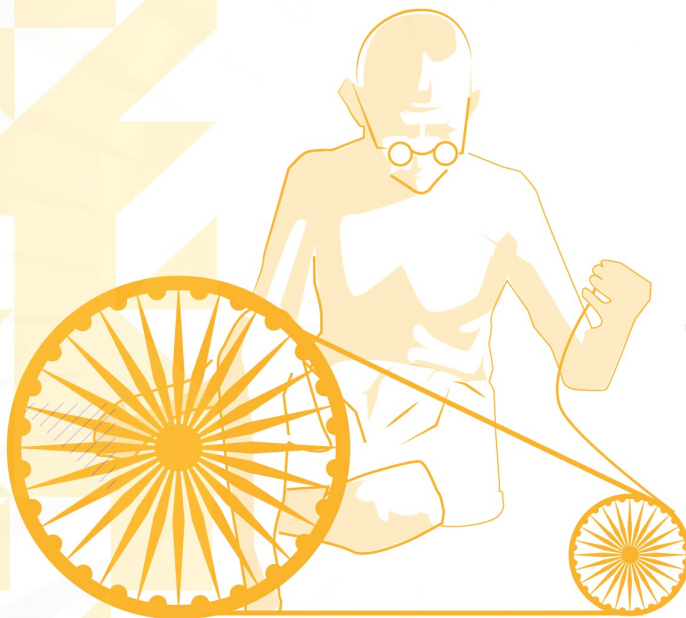
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Certificate of Participation



This is to certify that

Manisha Katariya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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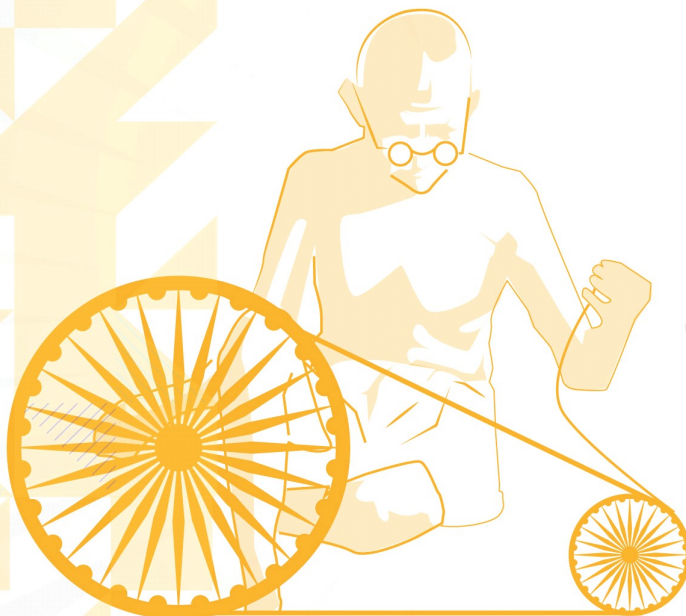
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Certificate of Participation



This is to certify that

Monika Chauhan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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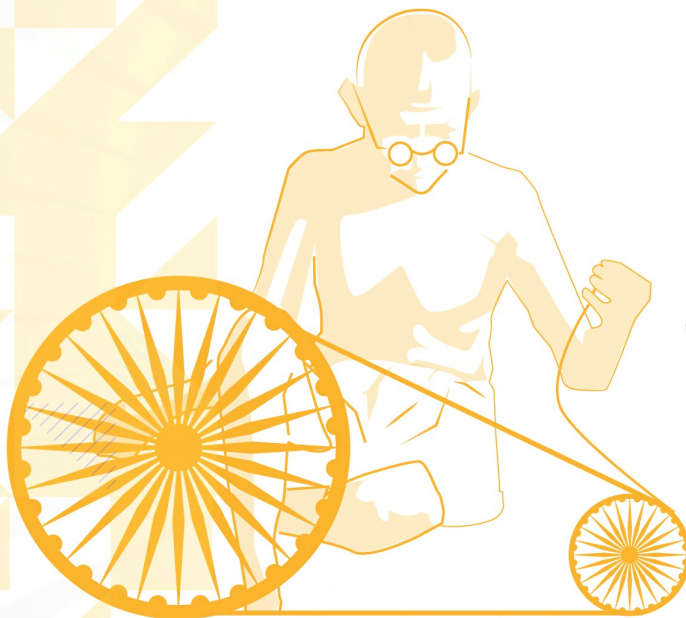
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Certificate of Participation



This is to certify that

Arpan Bhardwaj

has successfully attended a three-hour webinar on
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Certificate of Participation



This is to certify that

Atharva Bhardwaj

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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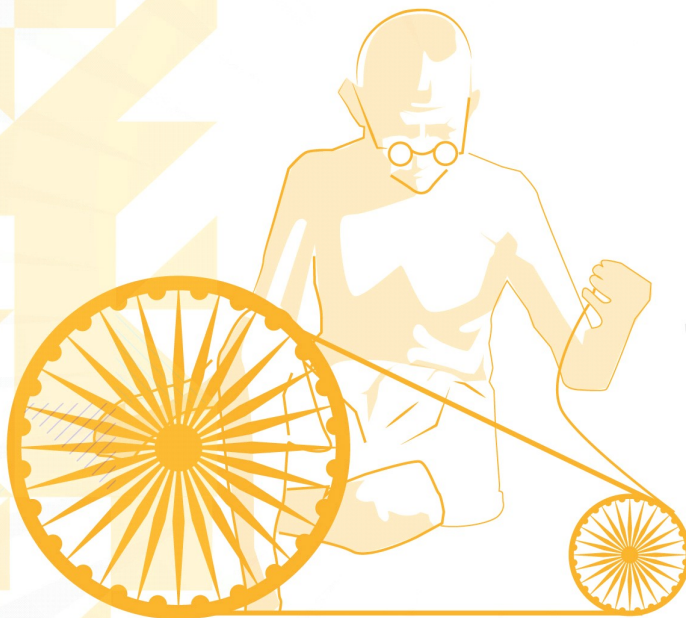
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Certificate of Participation



This is to certify that

Dr.Simmi Saxena

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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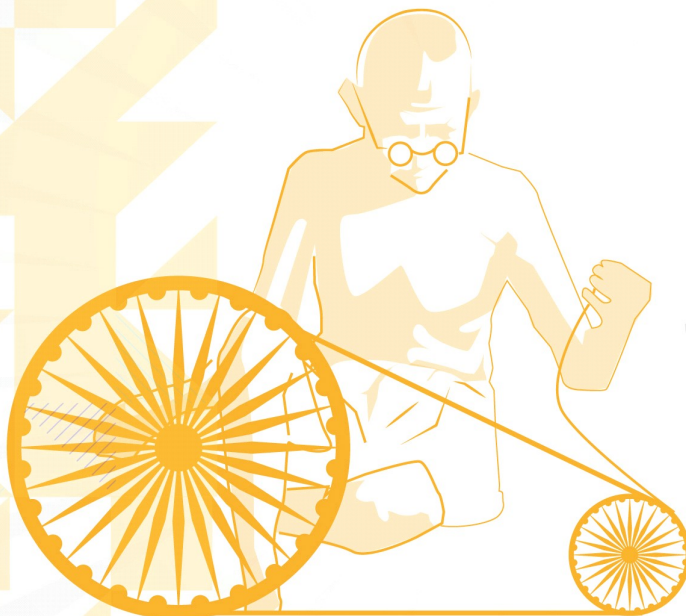
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Certificate of Participation



This is to certify that

Jayant Singh Rathode

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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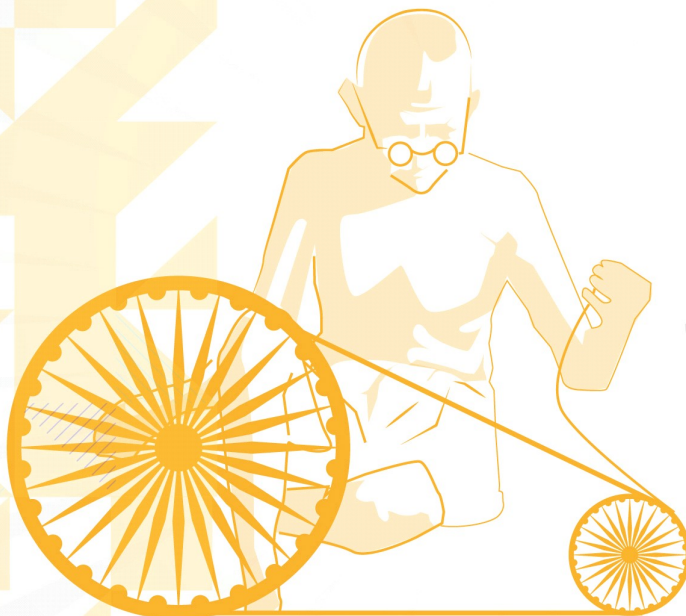
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Certificate of Participation



This is to certify that

Dr Pramod Kumar Ujjain

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Anish Ghuraiya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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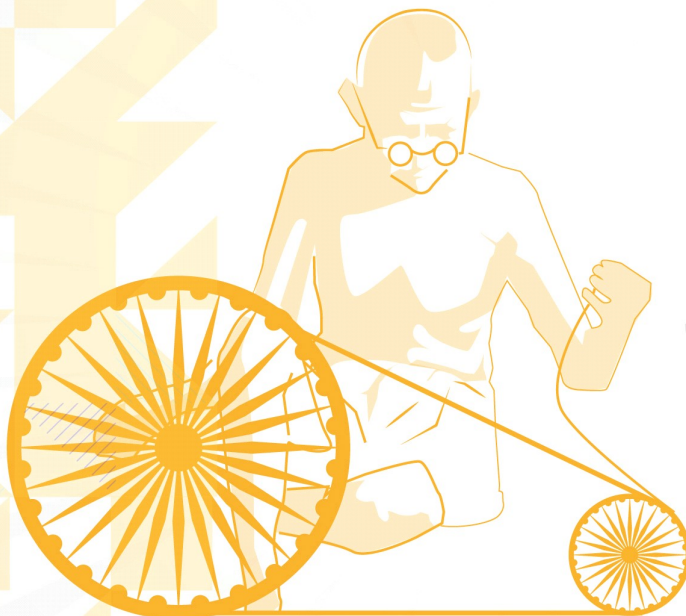
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Certificate of Participation



This is to certify that

Mayank Kumar Shrotriy

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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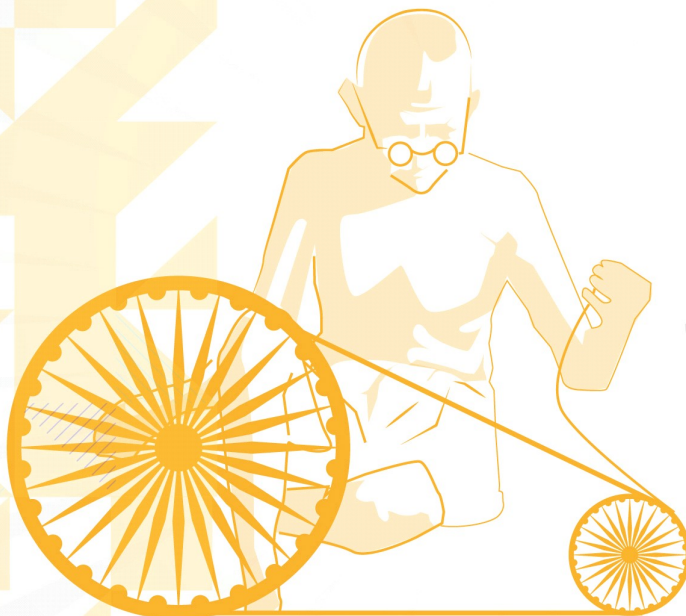
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Certificate of Participation



This is to certify that

Preeti Shrotriya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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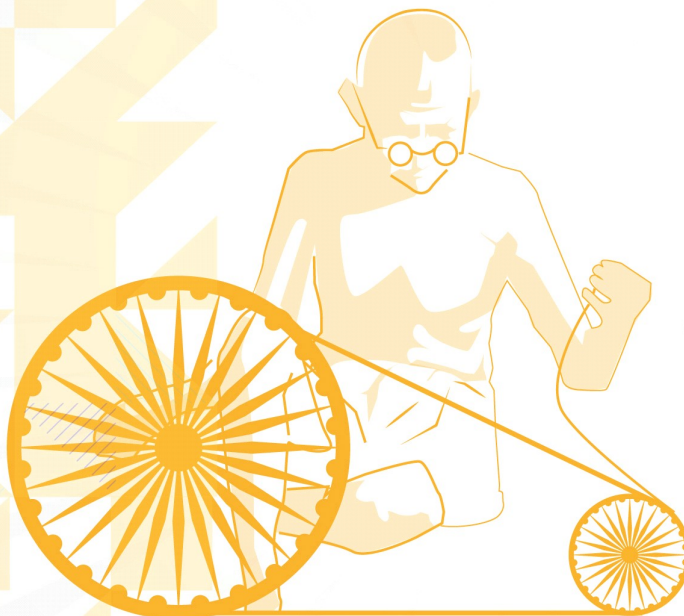
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Certificate of Participation



This is to certify that

Richa Gupta

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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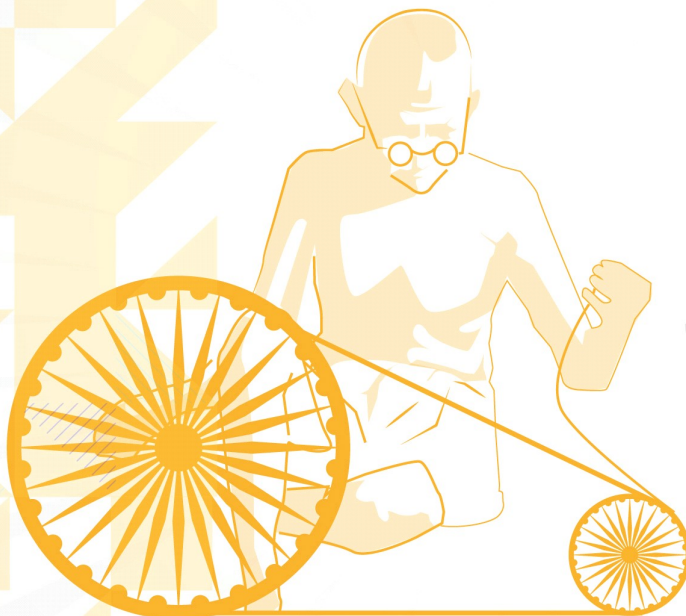
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Certificate of Participation



This is to certify that

Nirmala Gupta

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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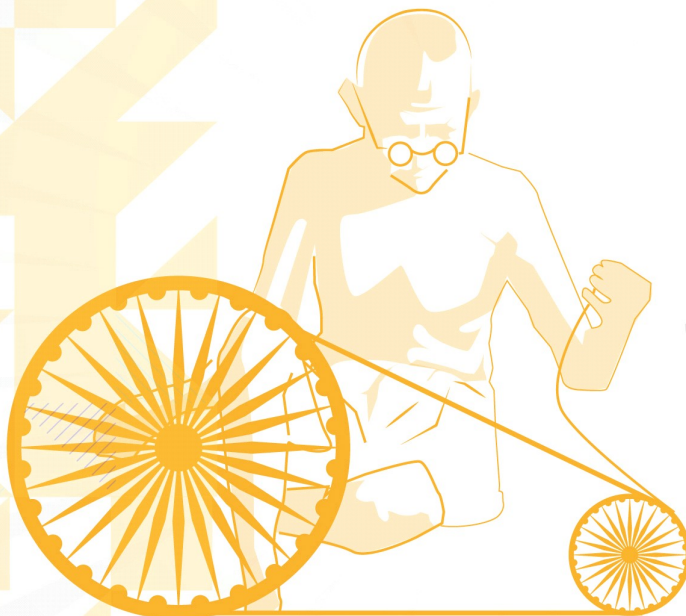
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Certificate of Participation



This is to certify that

Shobhita Kundlewati

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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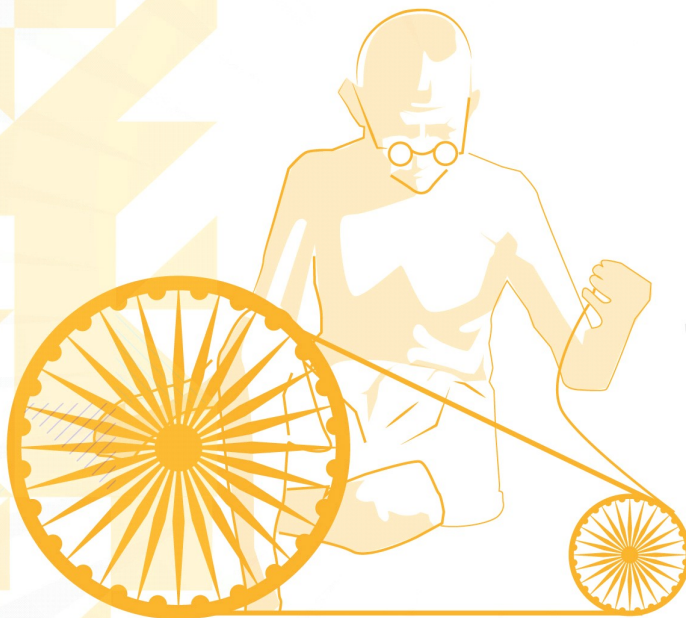
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Certificate of Participation



This is to certify that

Dr. Anjali Shah

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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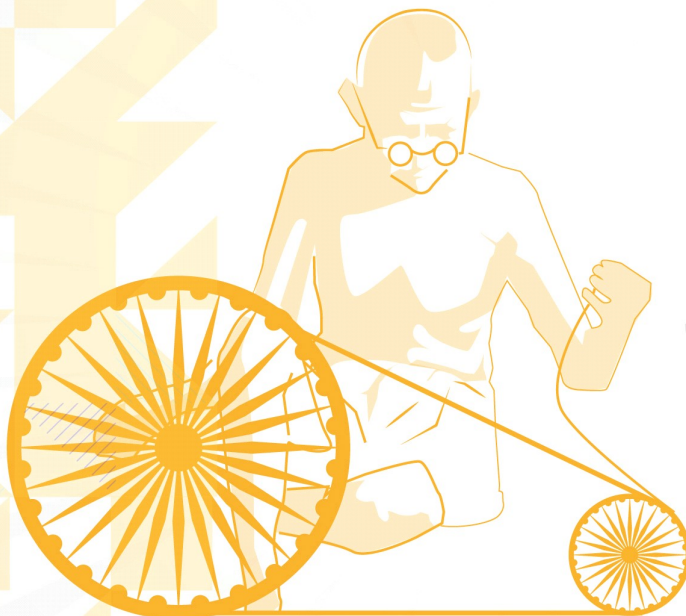
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Certificate of Participation



This is to certify that

Kalpana Singh

has successfully attended a three-hour webinar on
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Certificate of Participation



This is to certify that

Dr. Amit Shrivastava

has successfully attended a three-hour webinar on
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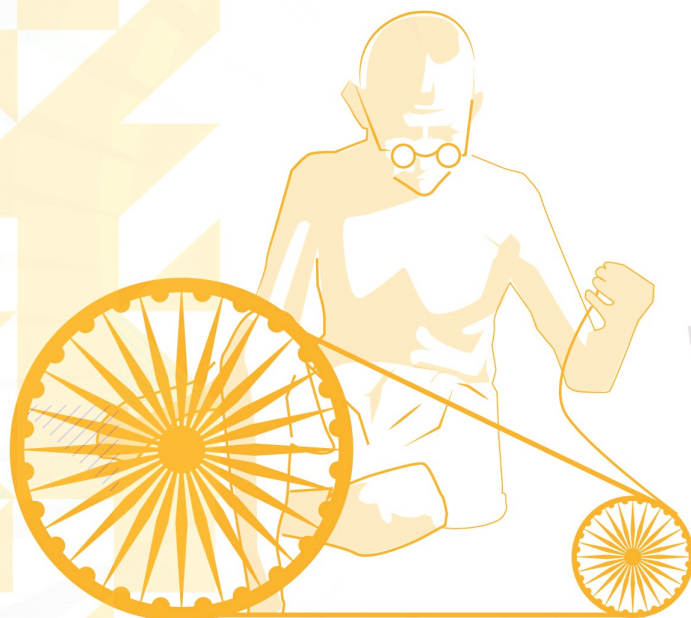
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Certificate of Participation



This is to certify that

Dr Bahadur Singh Gujrati

has successfully attended a three-hour webinar on
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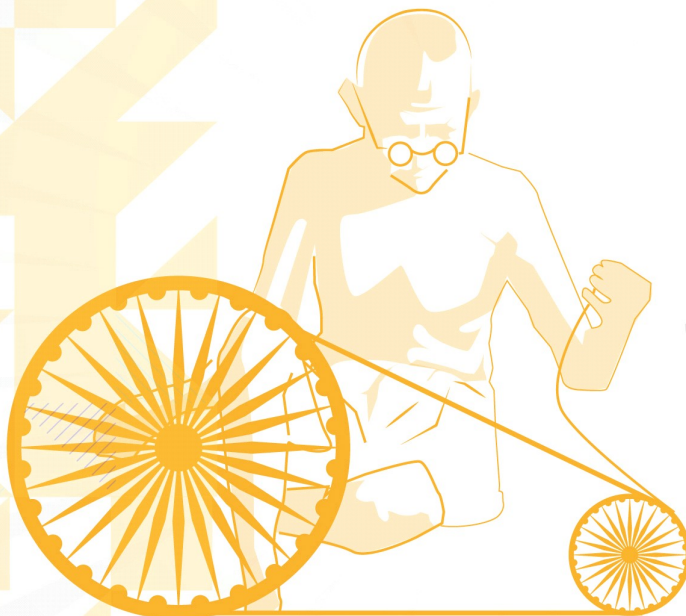
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Certificate of Participation



This is to certify that

Mayank

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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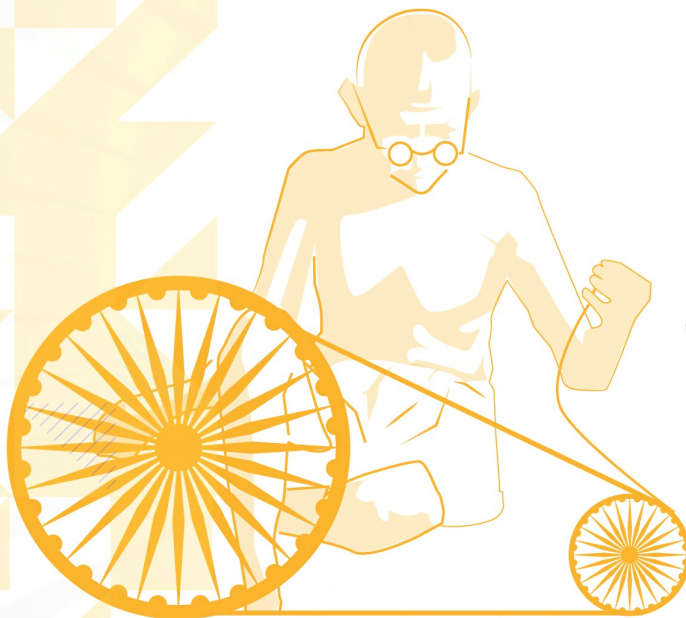
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Certificate of Participation



This is to certify that

Rajendra Kumar Gurjar

has successfully attended a three-hour webinar on
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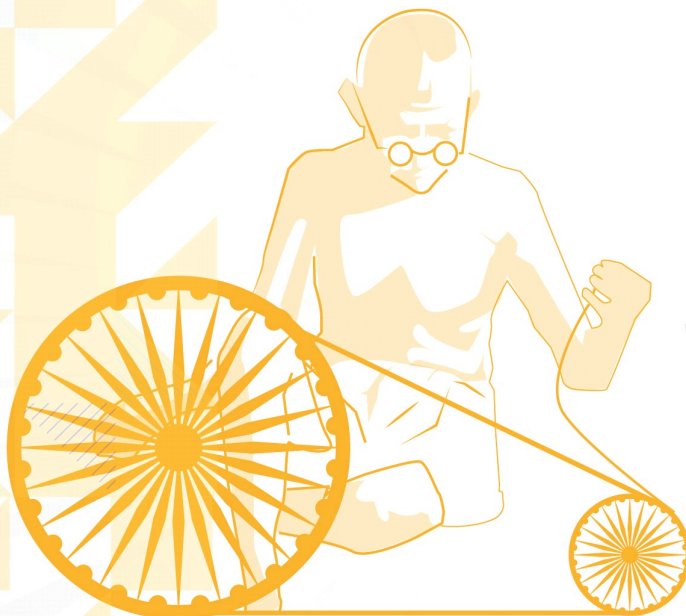
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Certificate of Participation



This is to certify that

Shivangi Vyas

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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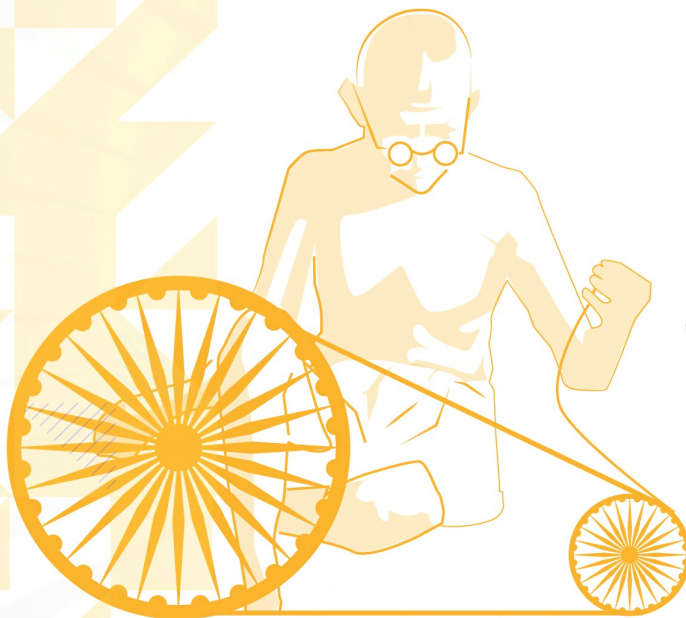
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Certificate of Participation



This is to certify that

Sandeep Parmar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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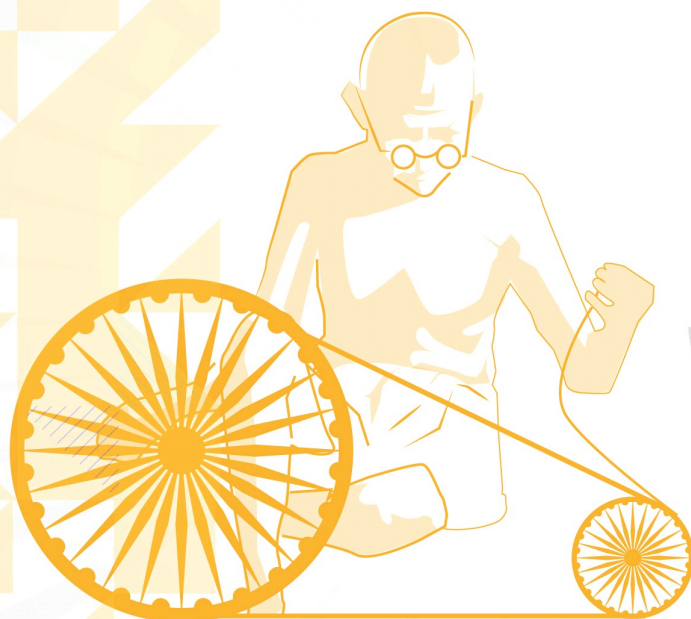
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Certificate of Participation



This is to certify that

Veena Rajoriya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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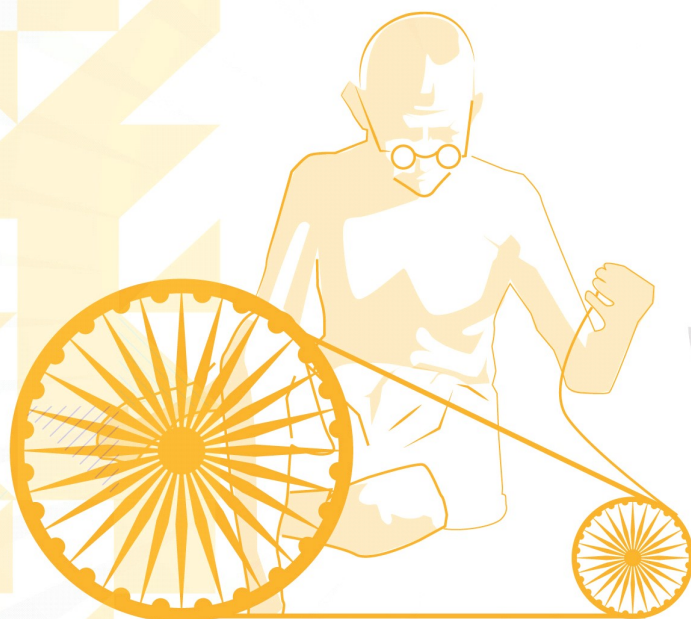
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Certificate of Participation



This is to certify that

Jyoti Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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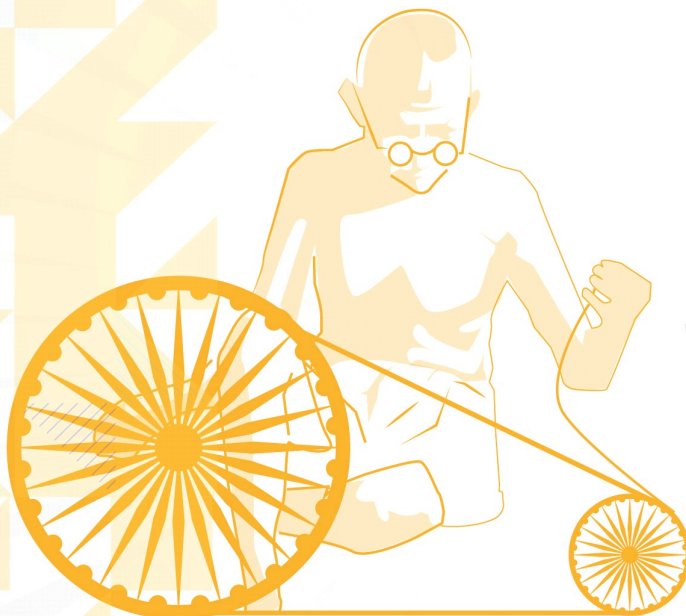
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Certificate of Participation



This is to certify that

Vishal Gehlot

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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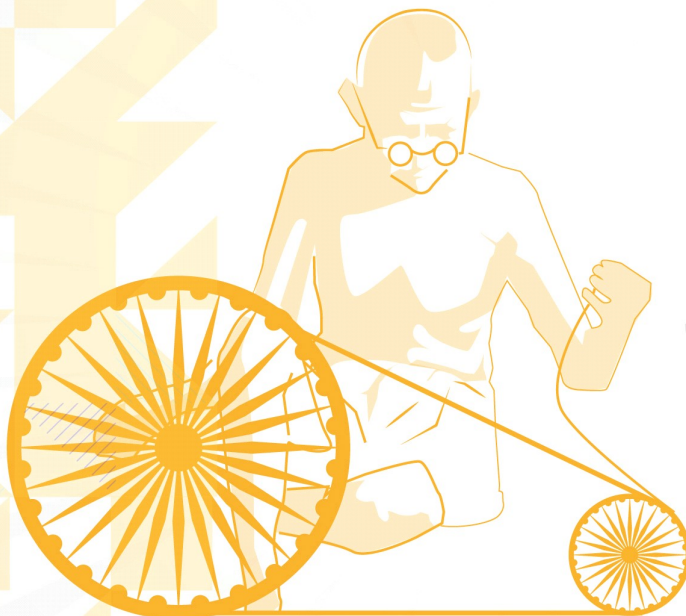
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Certificate of Participation



This is to certify that

Amit Vyas

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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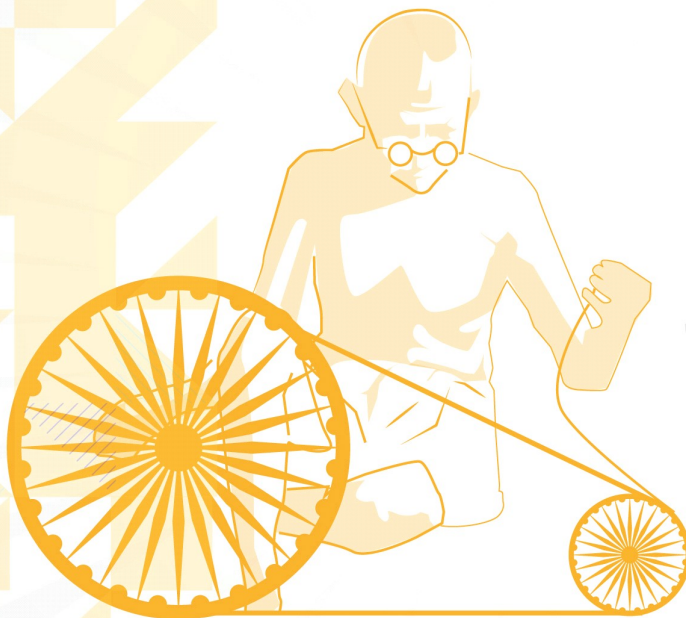
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Certificate of Participation



This is to certify that

Ajay Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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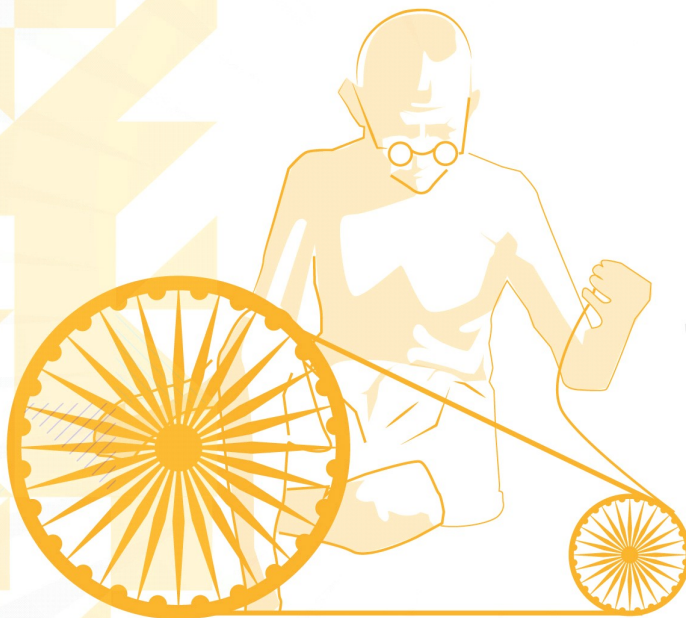
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Certificate of Participation



This is to certify that

Shreeram Patidar

has successfully attended a three-hour webinar on
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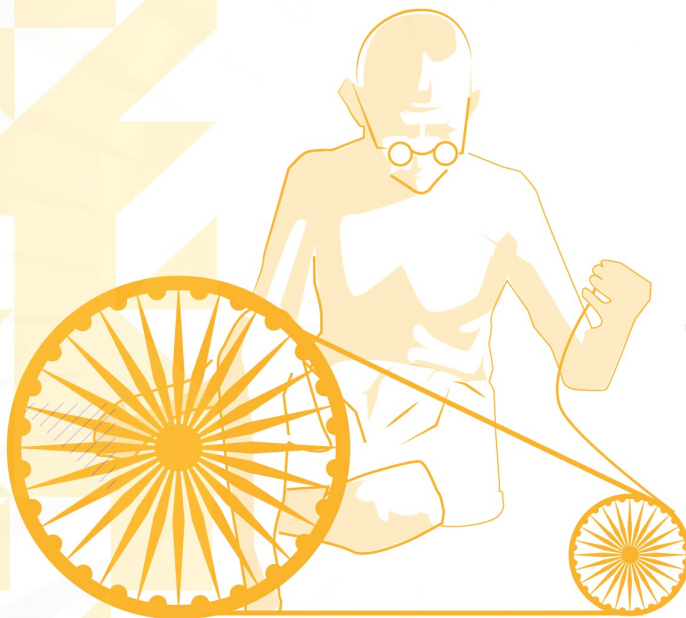
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Certificate of Participation



This is to certify that

Yogita Krishnani

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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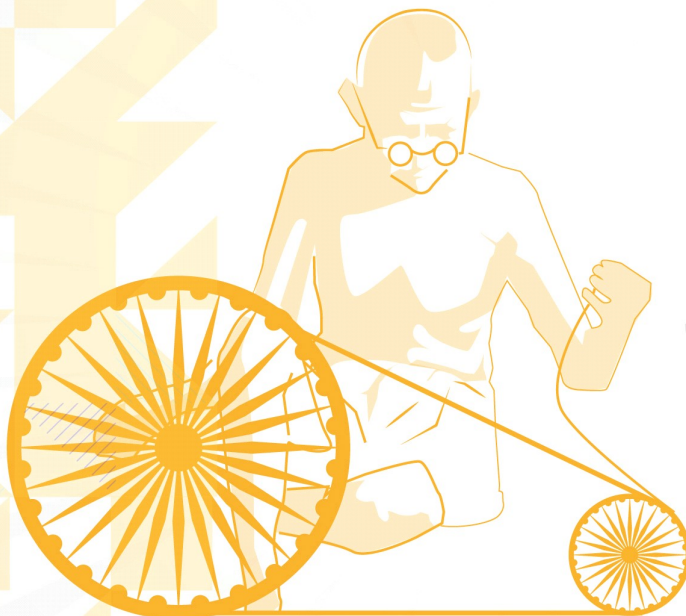
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Certificate of Participation



This is to certify that

Vikash Prajapat

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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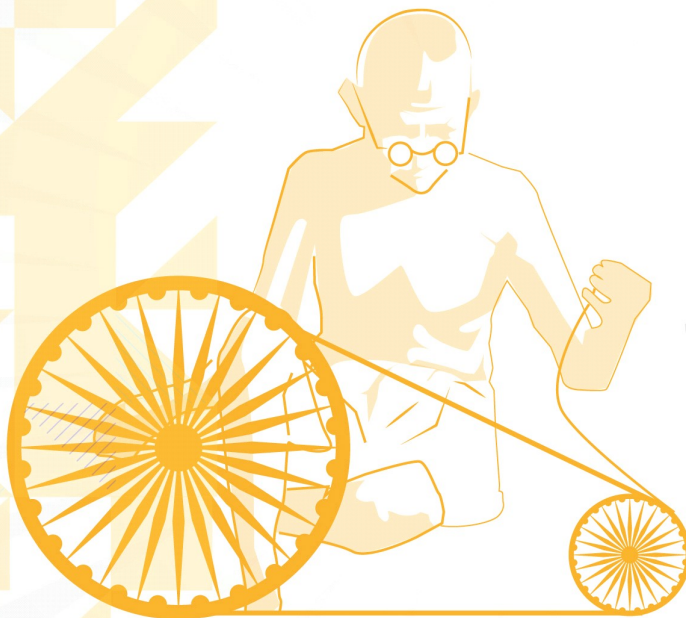
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Certificate of Participation



This is to certify that

Mataram Chouhan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Sumer Lal Chouhan

has successfully attended a three-hour webinar on
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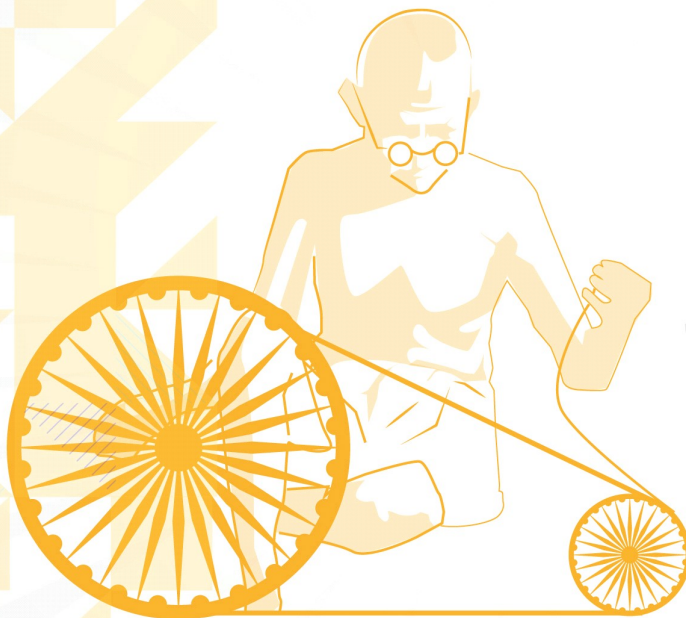
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Certificate of Participation



This is to certify that

Priyanka Sharma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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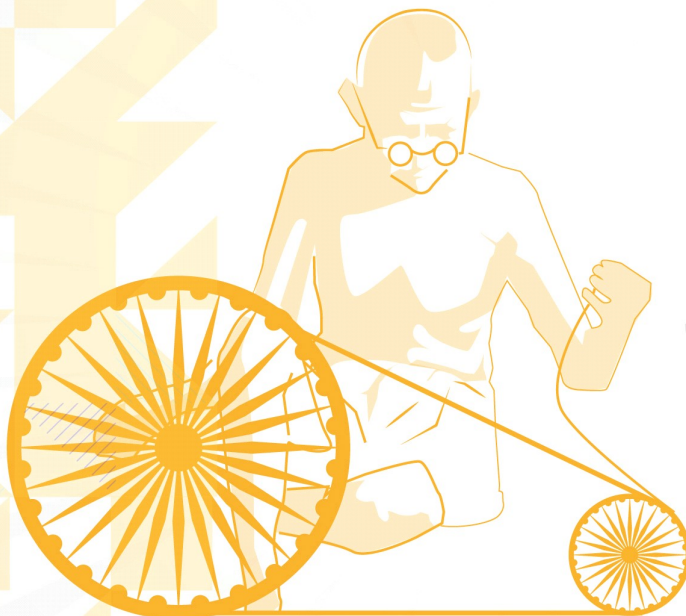
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Certificate of Participation



This is to certify that

Dr. Arun Kumar Bodane

has successfully attended a three-hour webinar on

Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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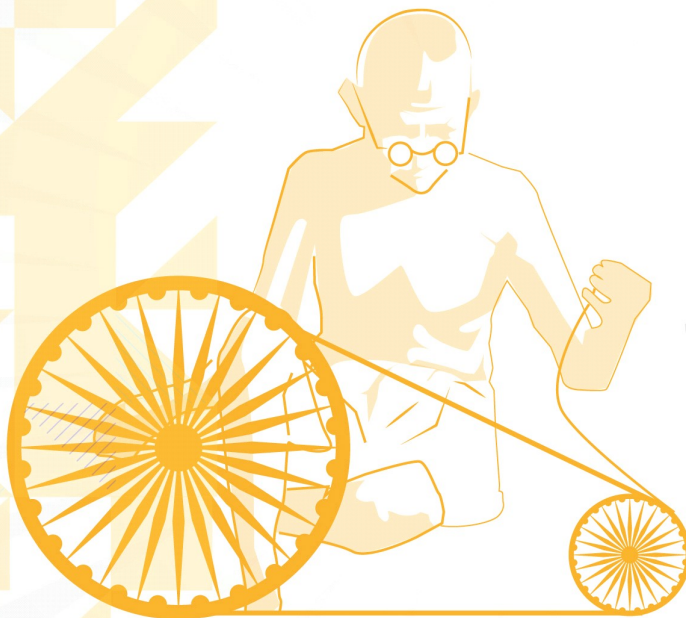
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Certificate of Participation



This is to certify that

Rahul Parmar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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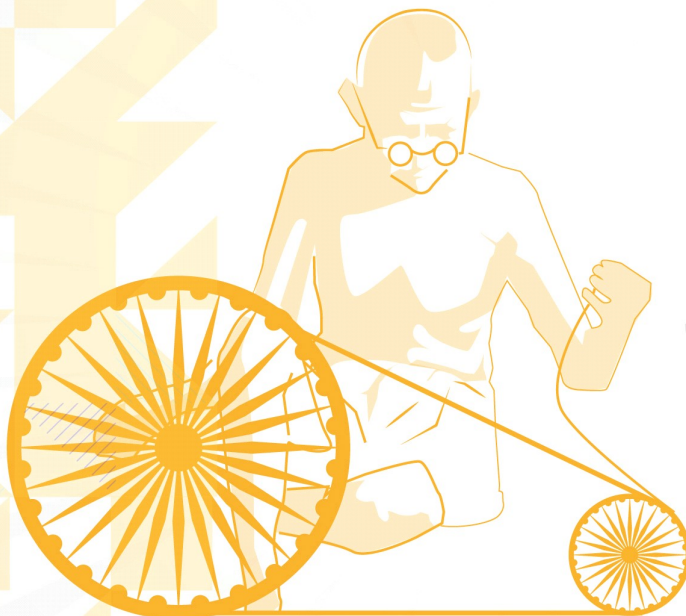
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Certificate of Participation



This is to certify that

Dr. Sanjay Parihar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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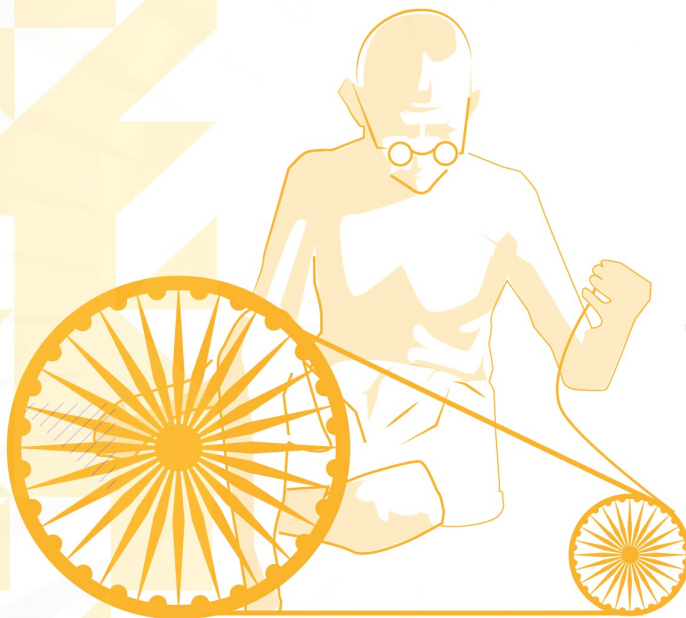
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Certificate of Participation



This is to certify that

Ashwini Dodiya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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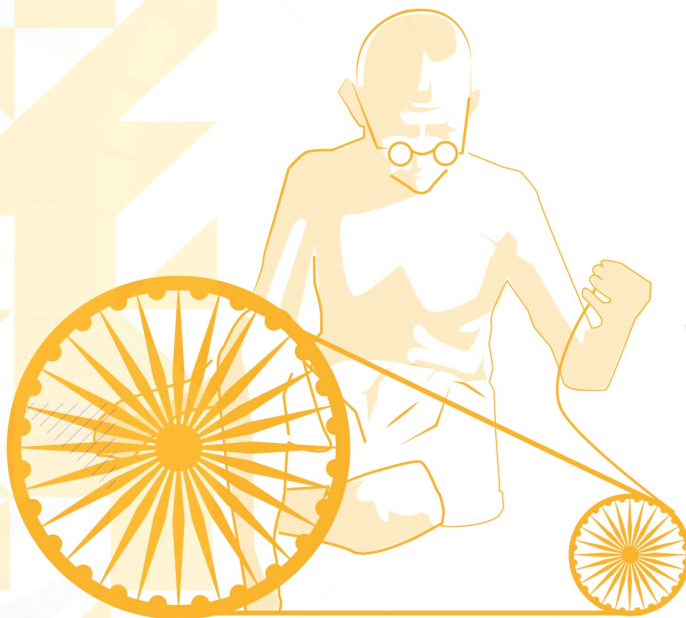
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Certificate of Participation



This is to certify that

Twinkle Wadhwa

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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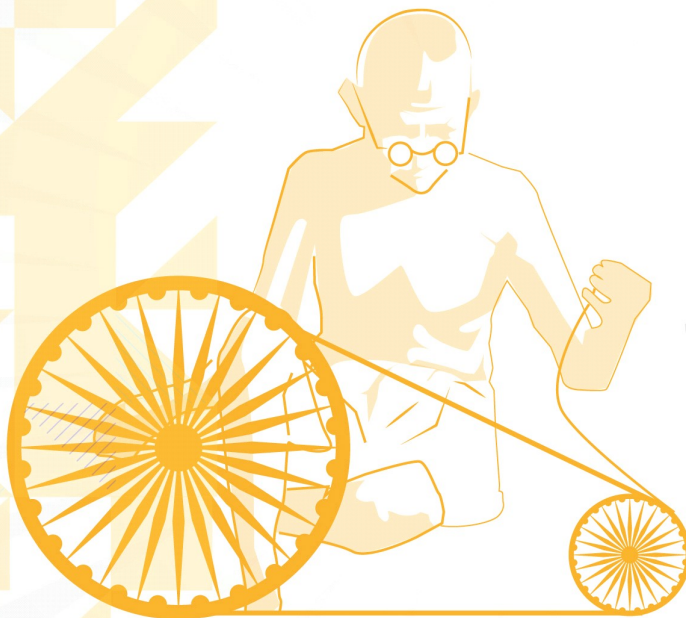
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Certificate of Participation



This is to certify that

Rupali Sharma

has successfully attended a three-hour webinar on
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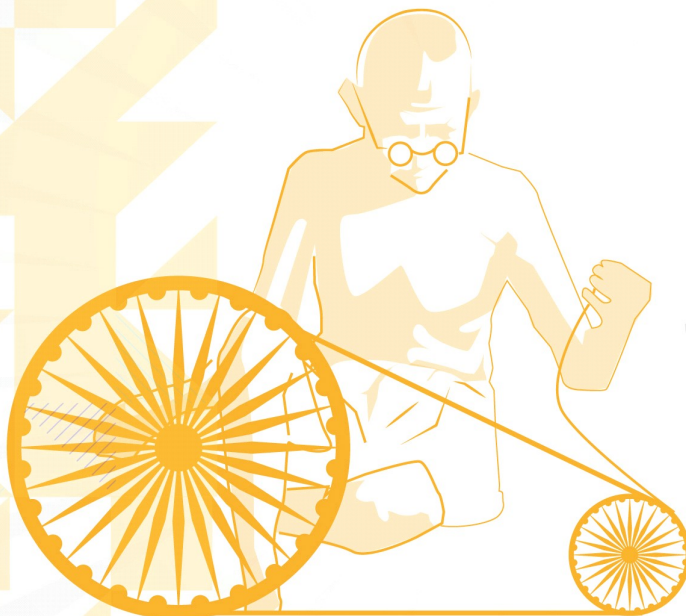
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Certificate of Participation



This is to certify that

Arpita Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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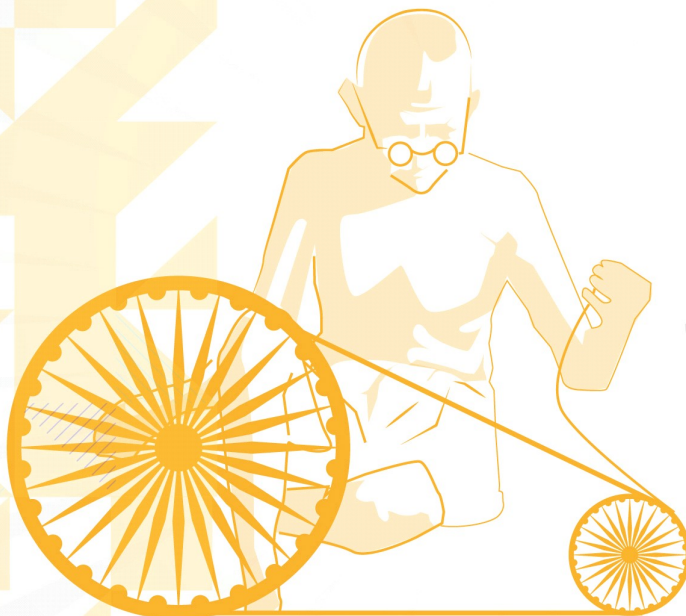
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Certificate of Participation



This is to certify that

Saroj Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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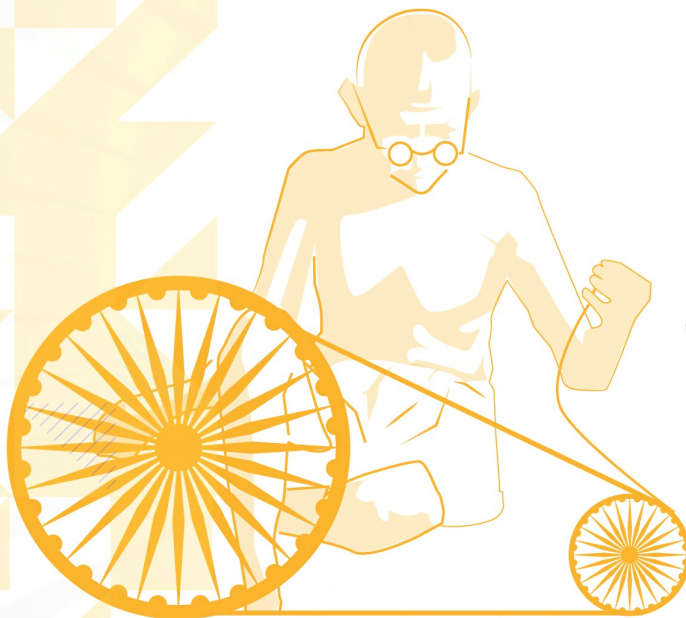
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Certificate of Participation



This is to certify that

Mansi Soner

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Muskan Mansuri

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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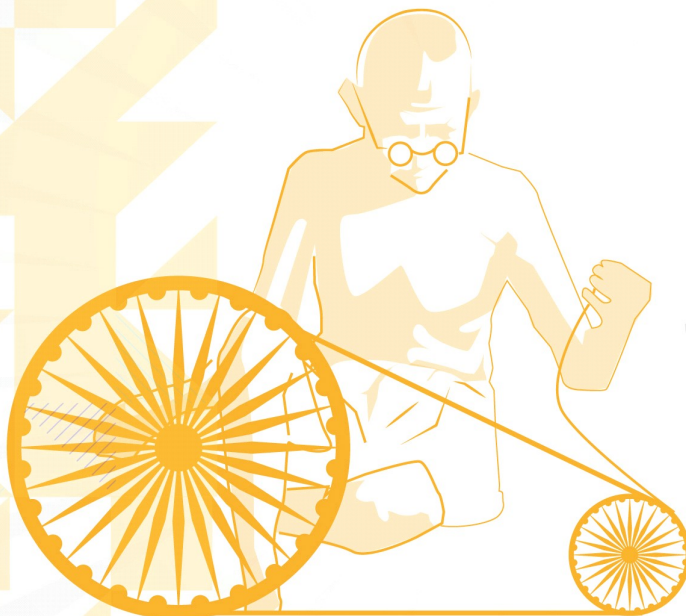
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Certificate of Participation



This is to certify that

Sushmita Khare

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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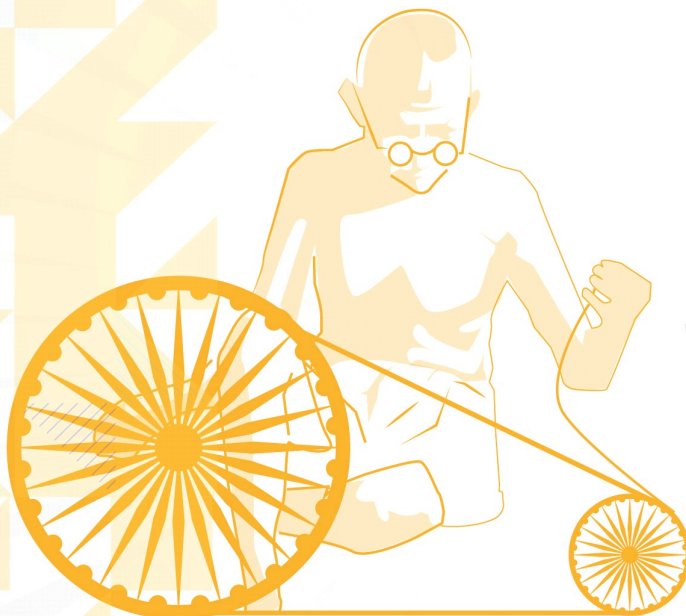
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Certificate of Participation



This is to certify that

Deepak Singh Khichi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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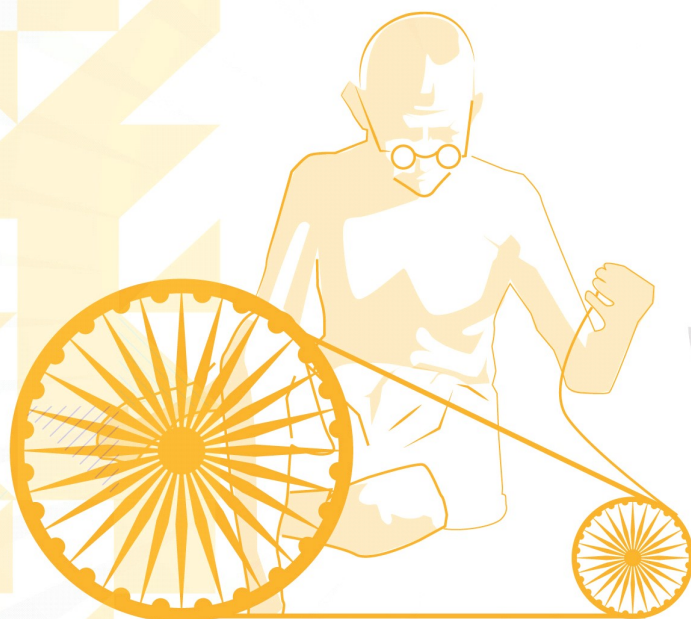
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Certificate of Participation



This is to certify that

Akshay Vyas

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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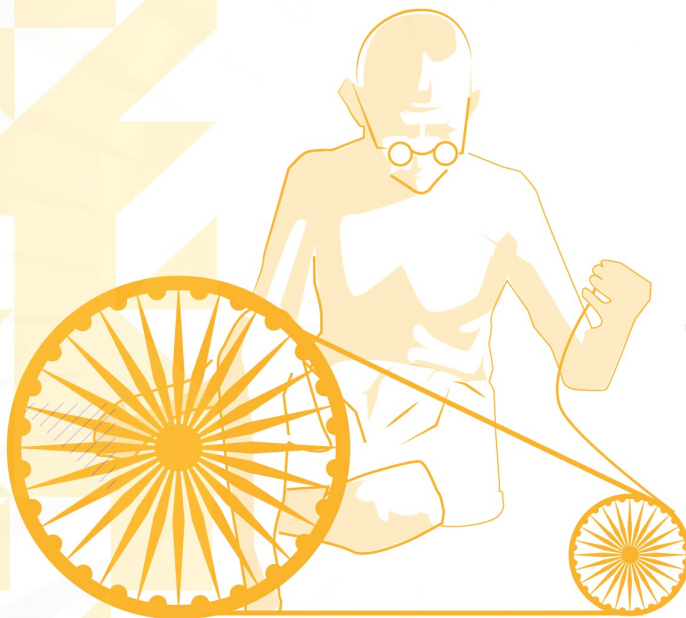
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Certificate of Participation



This is to certify that

Kavita Vishwakarma

has successfully attended a three-hour webinar on
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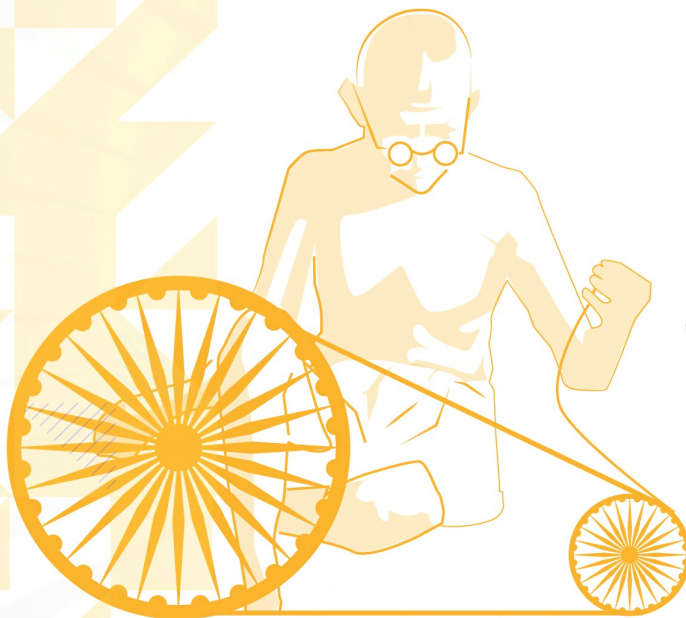
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Certificate of Participation



This is to certify that

Yogita Dubey

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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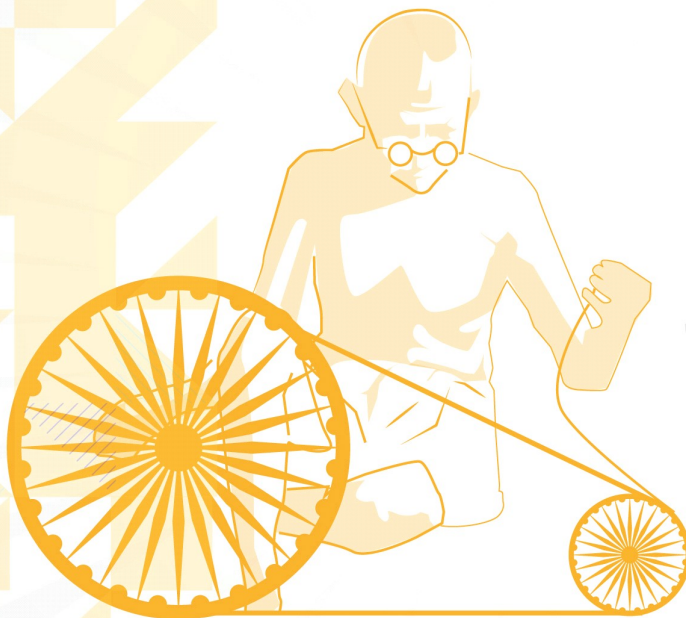
2nd October 2020

Date

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Chief Executive Officer
Energy Swaraj Foundation

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Energy Swaraj Foundation
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Certificate of Participation



This is to certify that

Somya Mehar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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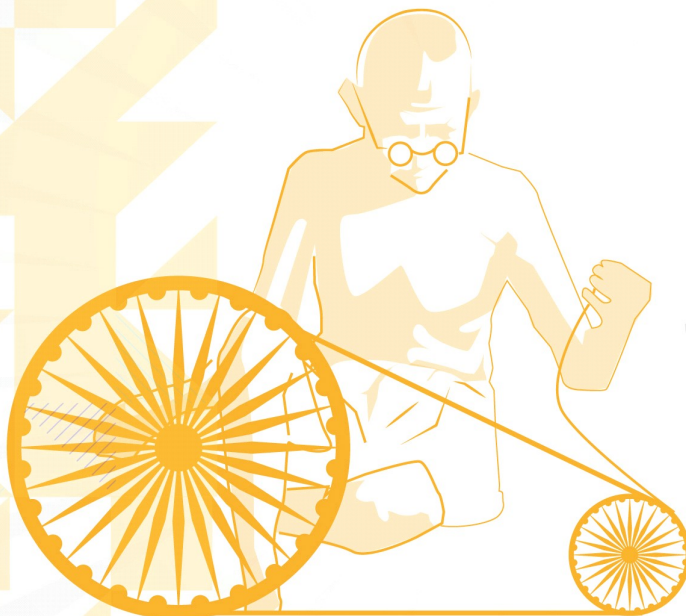
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Certificate of Participation



This is to certify that

Ishwer Puri

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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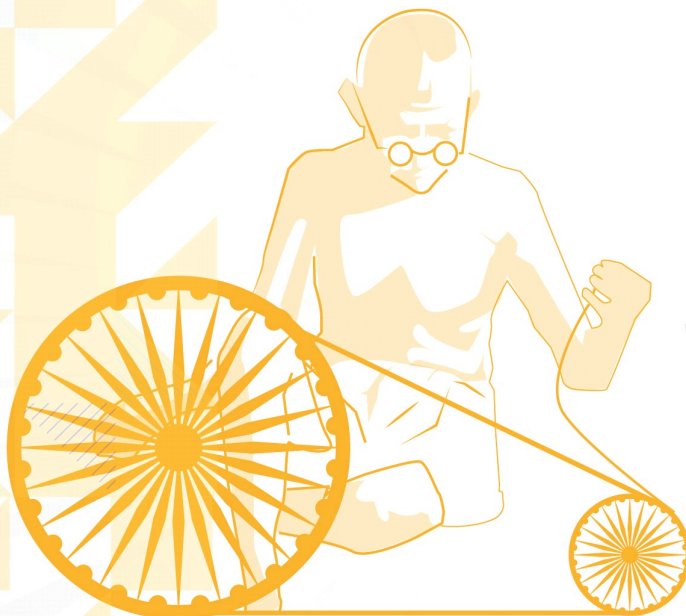
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Certificate of Participation



This is to certify that

Rameshwer Dangi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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Certificate of Participation



This is to certify that

Rekha

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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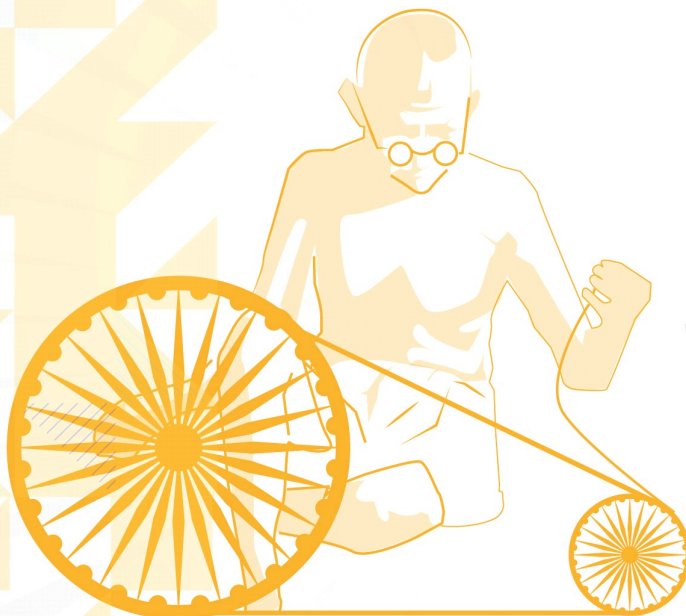
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Certificate of Participation



This is to certify that

Ashvin Chouhan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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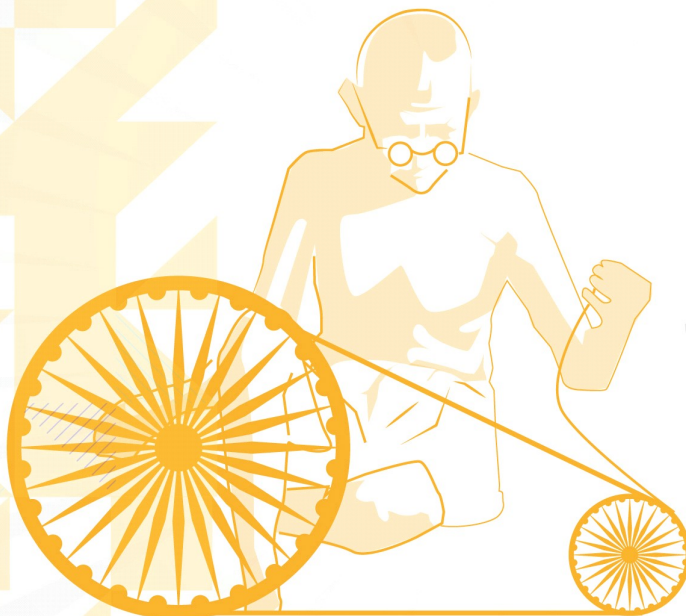
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Certificate of Participation



This is to certify that

Akash Garwal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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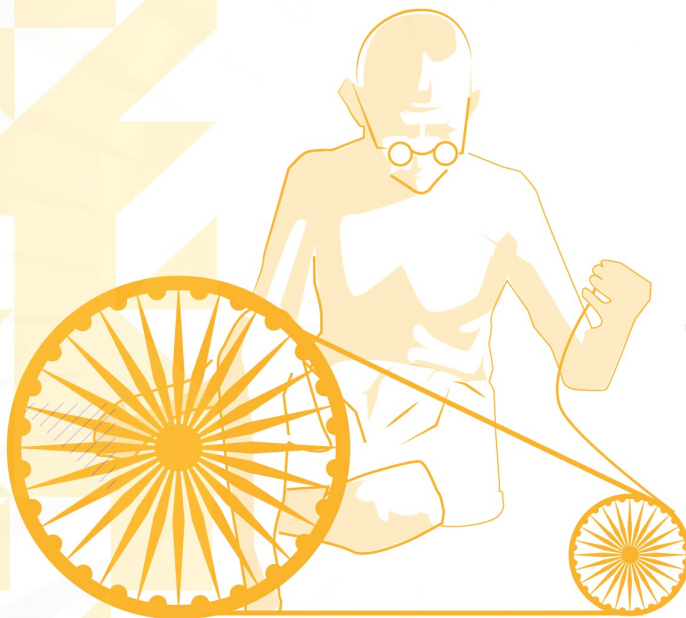
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Certificate of Participation



This is to certify that

Jagdish

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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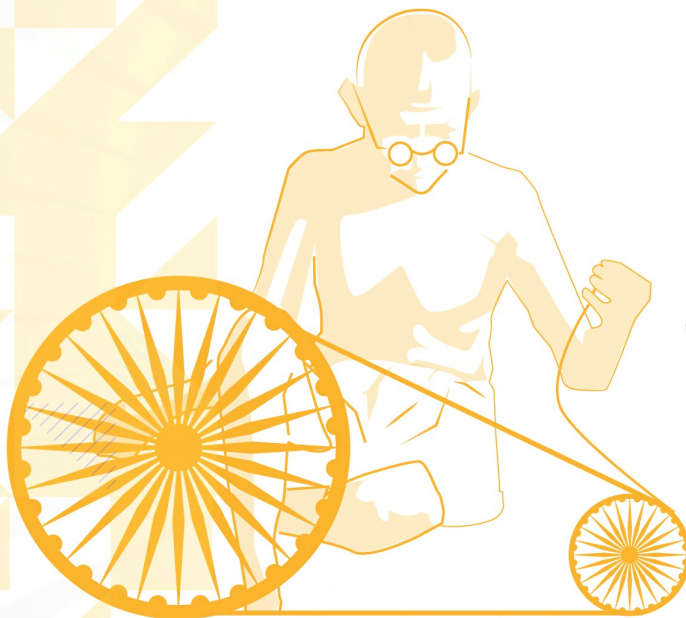
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Certificate of Participation



This is to certify that

Durga Jaiswal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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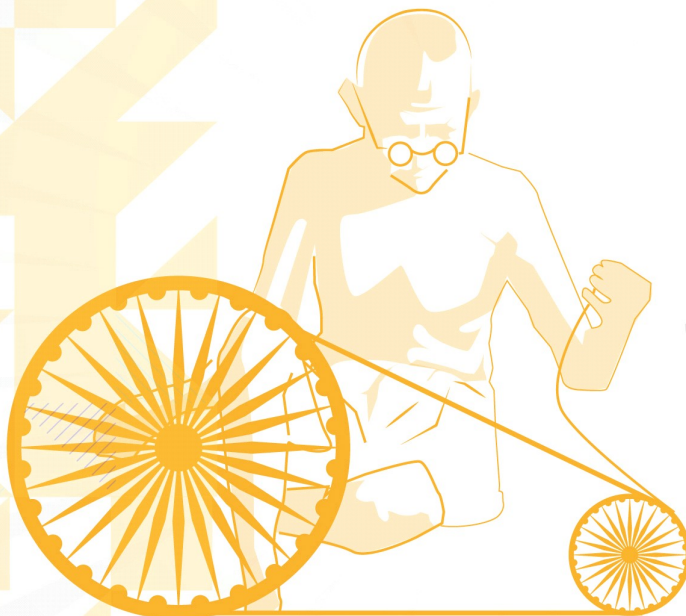
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Certificate of Participation



This is to certify that

Metan Meda

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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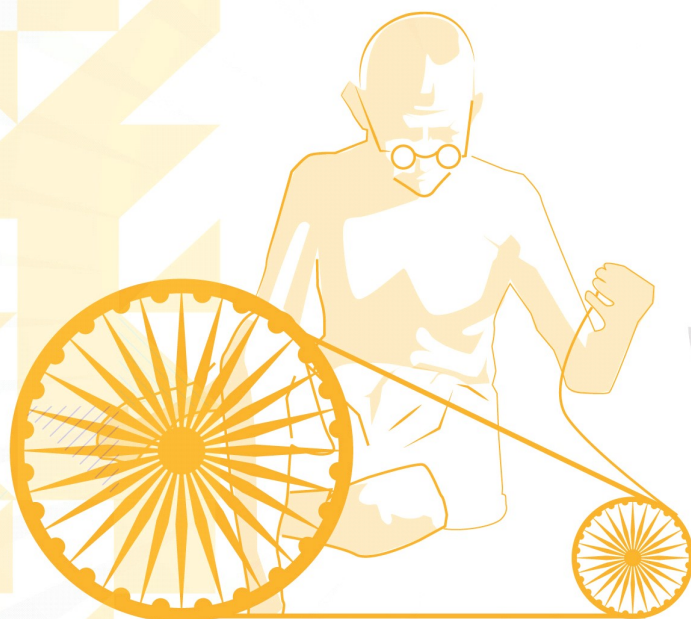
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Certificate of Participation



This is to certify that

Pradeep Saini

has successfully attended a three-hour webinar on
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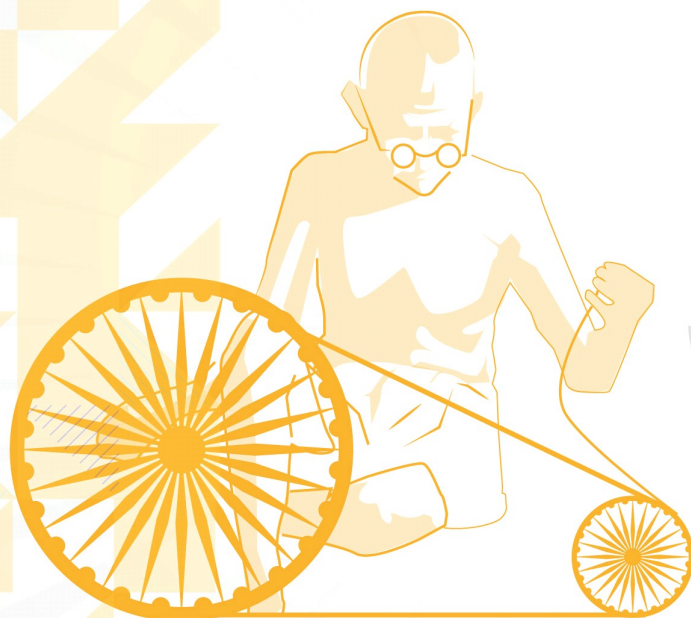
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Certificate of Participation



This is to certify that

Dr. Sanjay Singh Baroniya

has successfully attended a three-hour webinar on

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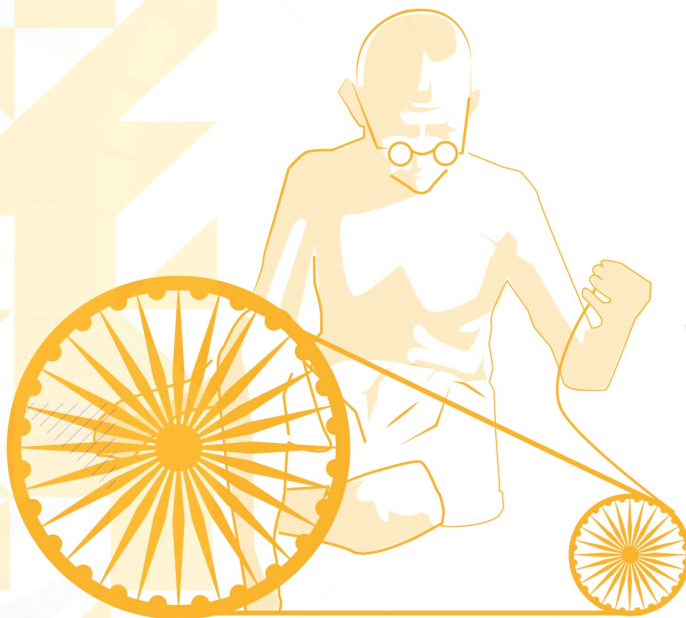
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Certificate of Participation



This is to certify that

Komal Chelaramani

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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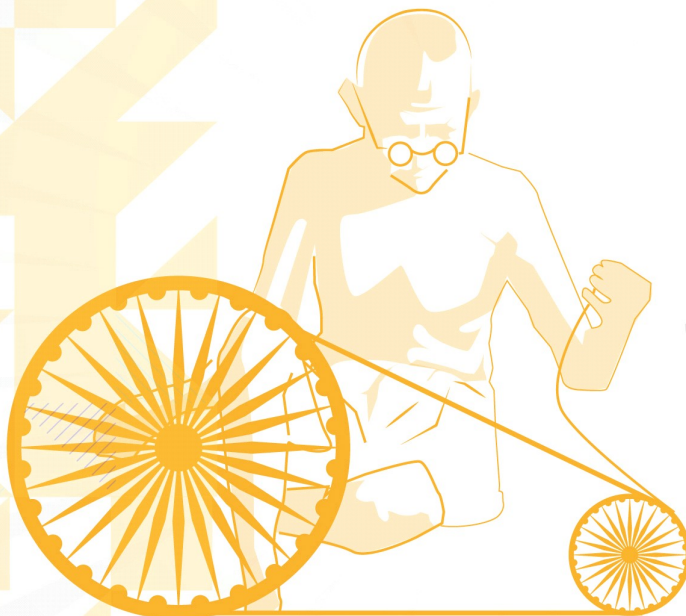
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Certificate of Participation



This is to certify that

Surbhi Shukla

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Subeta Meena

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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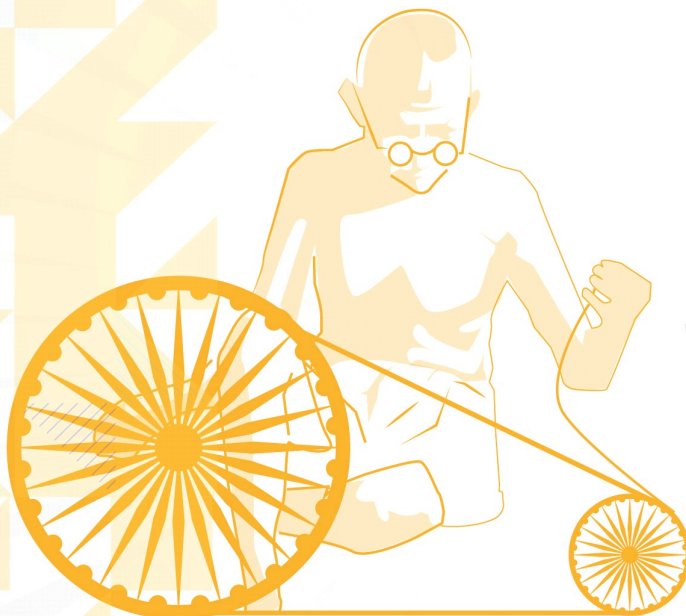
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Certificate of Participation



This is to certify that

Pooja Patel

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Asha Verma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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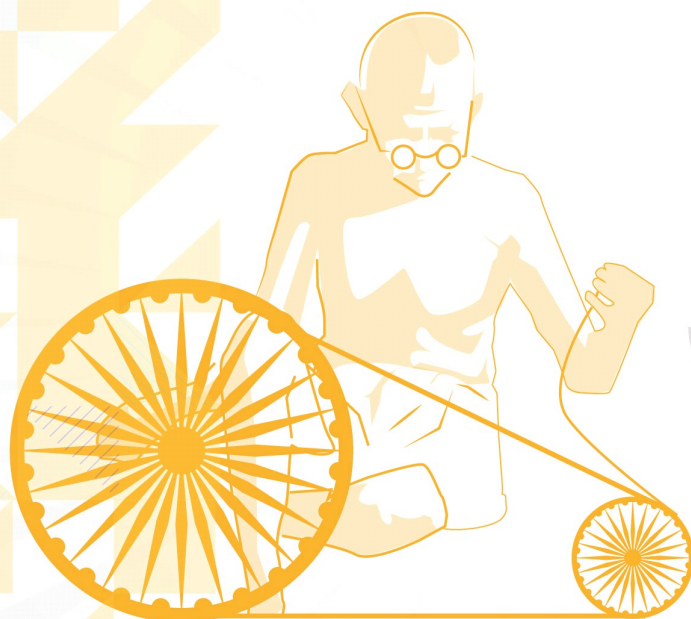
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Certificate of Participation



This is to certify that

Sayyed Aafreen Ali

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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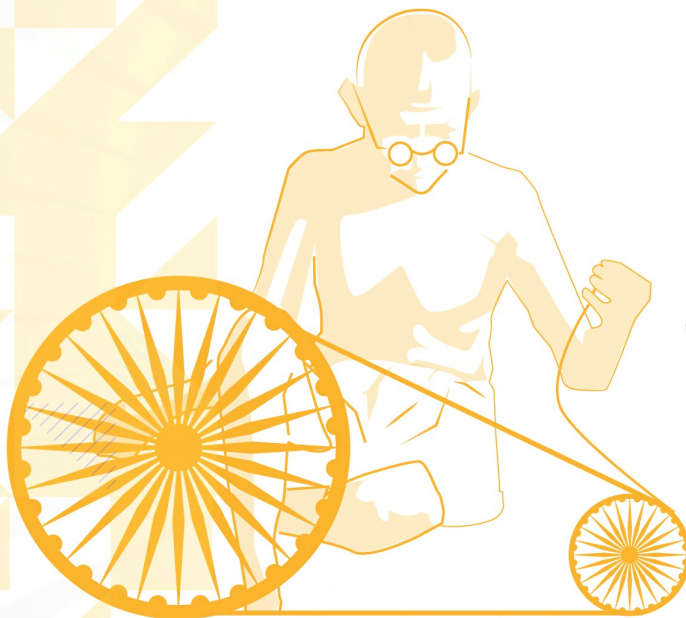
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Certificate of Participation



This is to certify that

Rakesh Porwal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Jeevan Solanki

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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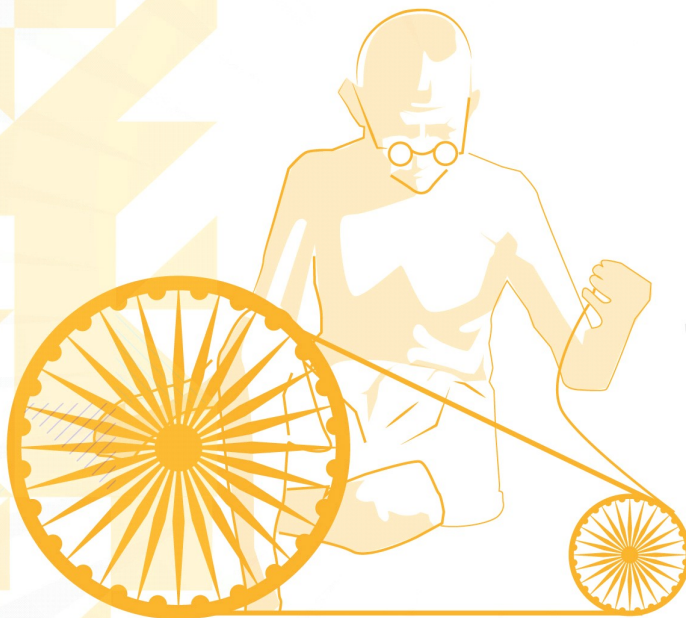
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Certificate of Participation



This is to certify that

Shobha Shouche

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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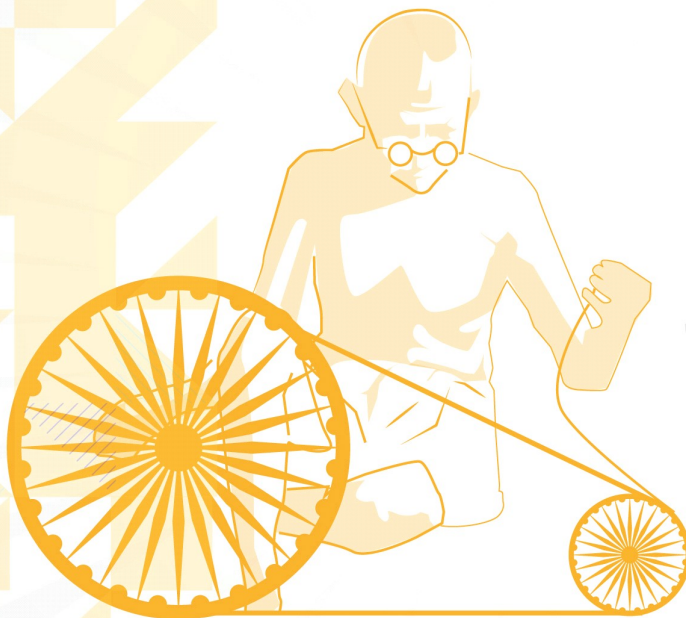
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Certificate of Participation



This is to certify that

Aayushi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Arjunsingh Songara

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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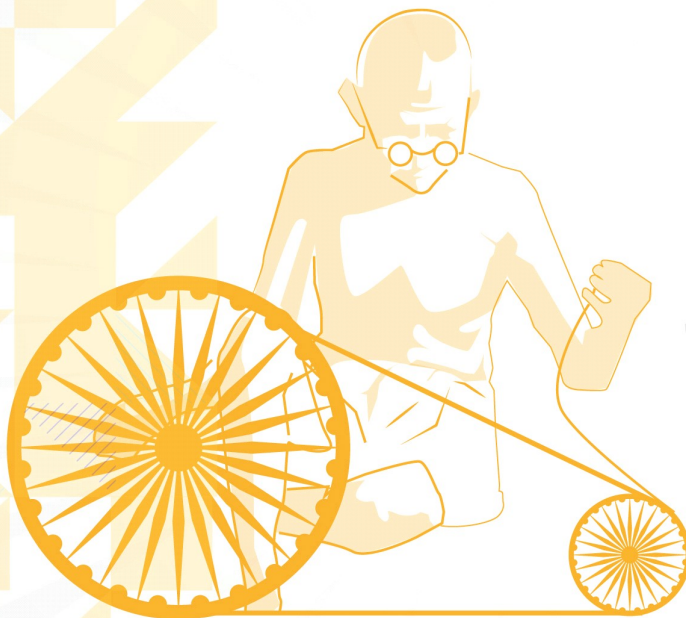
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Certificate of Participation



This is to certify that

Sayyed Uswa Mehmood

has successfully attended a three-hour webinar on
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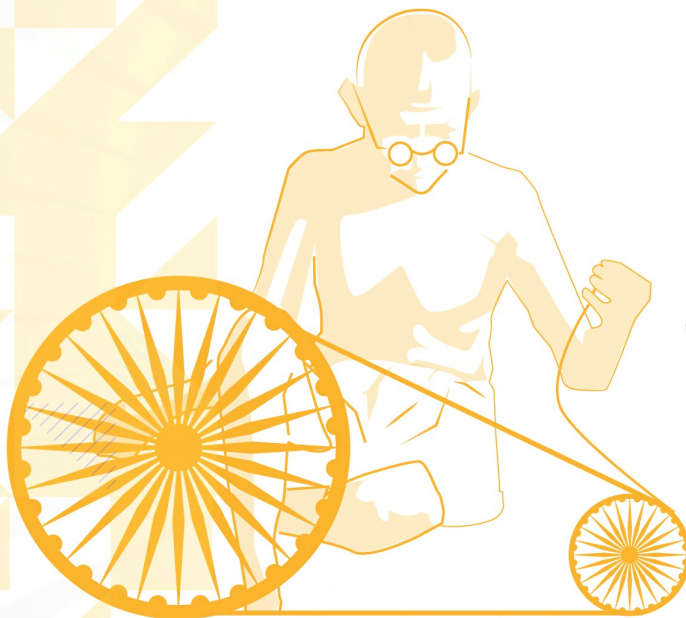
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Certificate of Participation



This is to certify that

Nupur Soni

has successfully attended a three-hour webinar on
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Certificate of Participation



This is to certify that

Sayed Arham Mehmood

has successfully attended a three-hour webinar on
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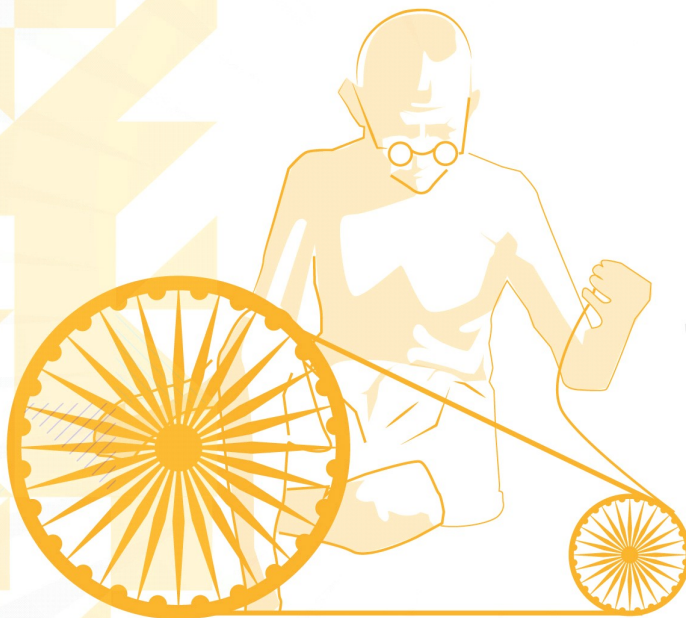
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Certificate of Participation



This is to certify that

Nahid

has successfully attended a three-hour webinar on
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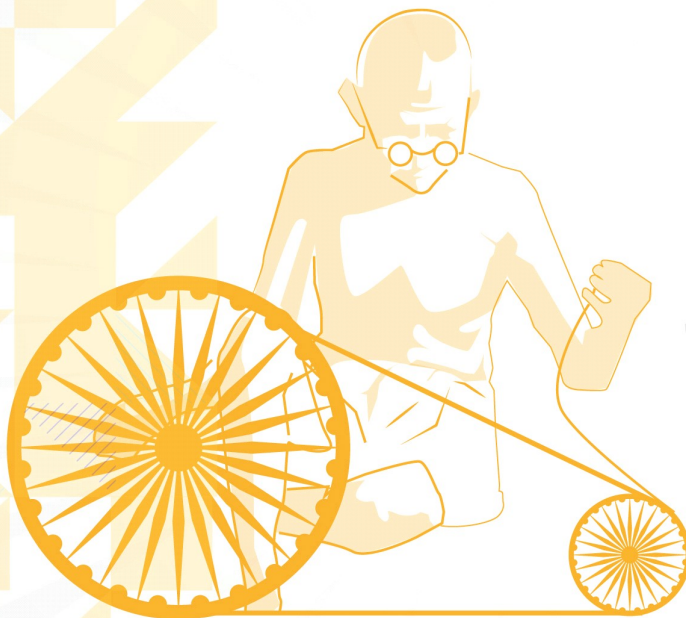
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Certificate of Participation



This is to certify that

Ananya Sharma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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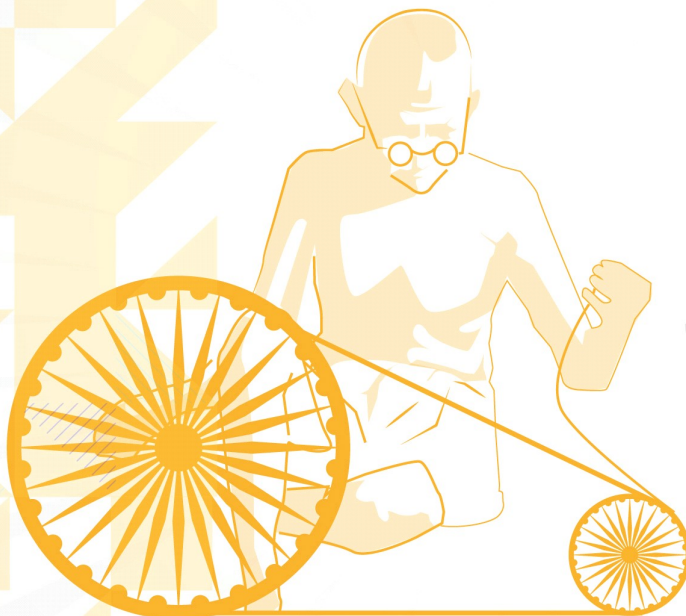
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Certificate of Participation



This is to certify that

Tisha Hiyana

has successfully attended a three-hour webinar on
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Govt. Madhav Science College

2nd October 2020

Date

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Chief Executive Officer
Energy Swaraj Foundation

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Certificate of Participation



This is to certify that

Vaishnavi Nere

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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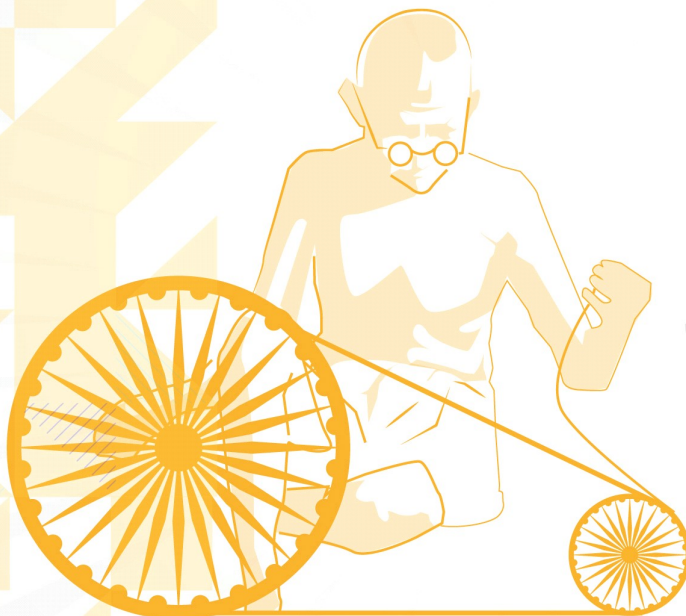
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Certificate of Participation



This is to certify that

Bhaskar Biswas

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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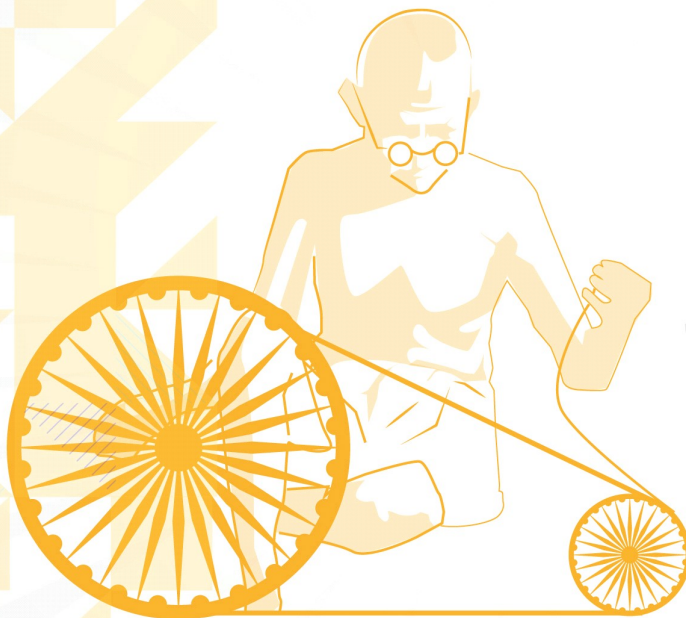
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Certificate of Participation



This is to certify that

Bhupendra Tomar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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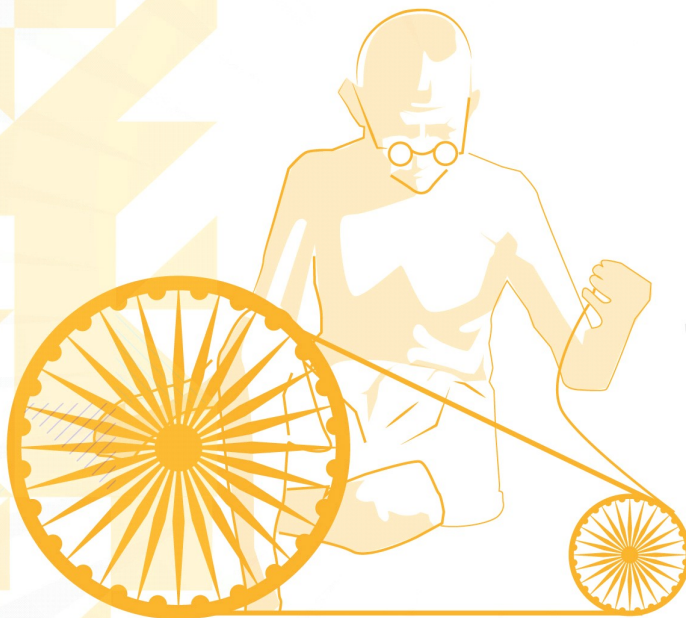
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Certificate of Participation



This is to certify that

Kopal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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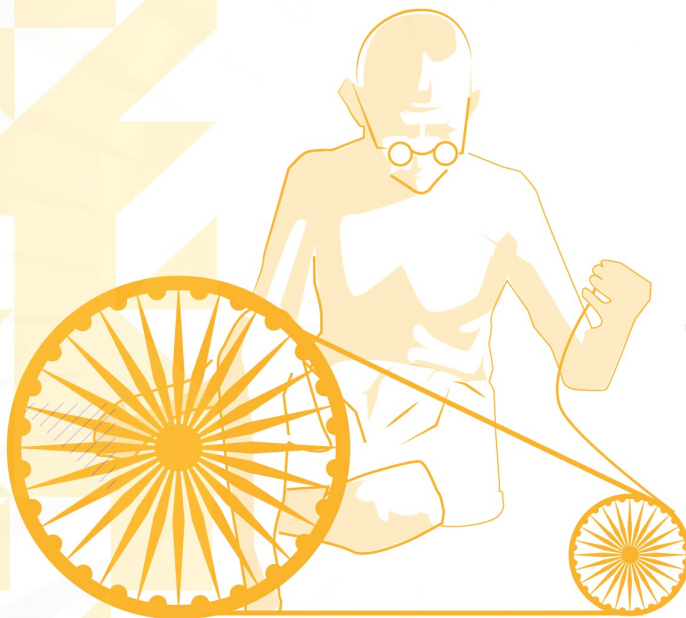
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Certificate of Participation



This is to certify that

Muskan Chawda

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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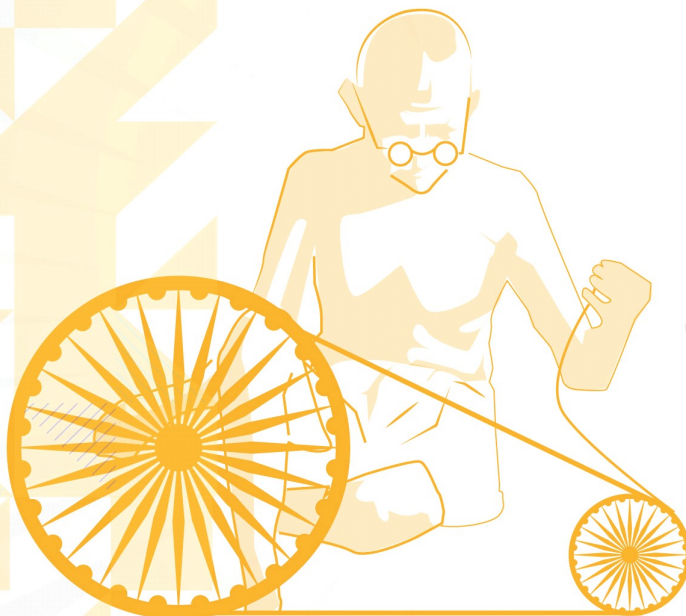
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Certificate of Participation



This is to certify that

Kunal Wadia

has successfully attended a three-hour webinar on
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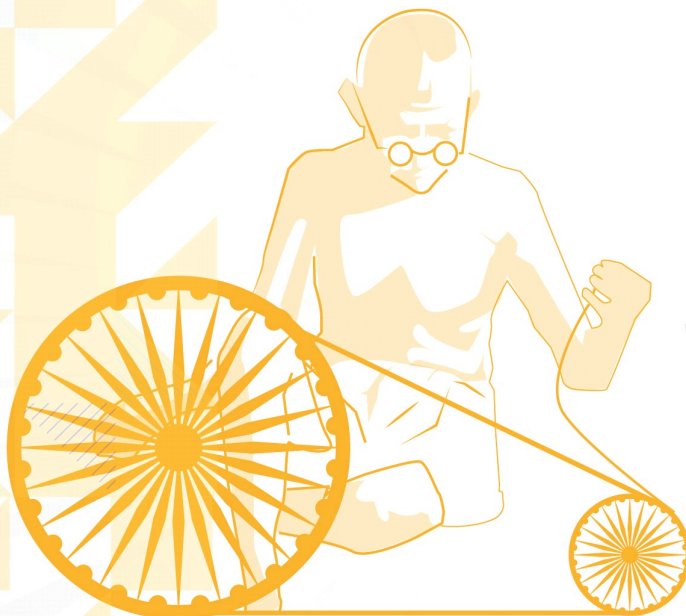
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Certificate of Participation



This is to certify that

Nilesh Rathore

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Harshita Nagwanshi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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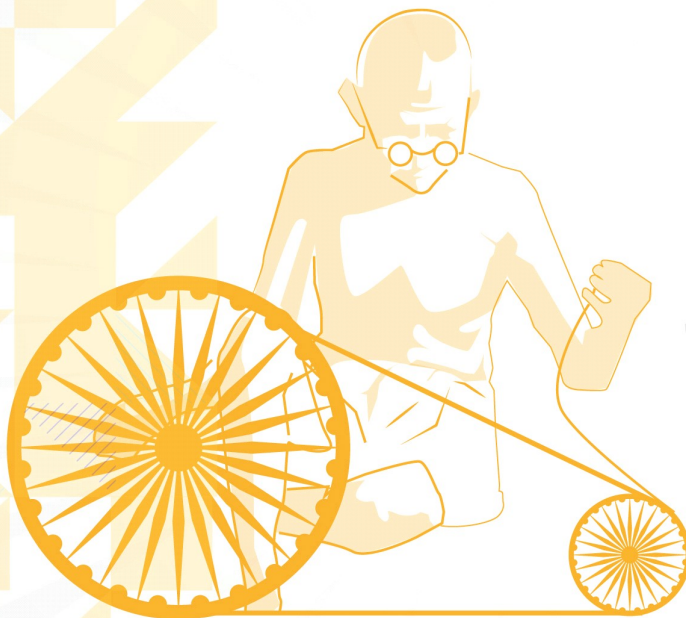
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Certificate of Participation



This is to certify that

Ajay Singh Tomar

has successfully attended a three-hour webinar on
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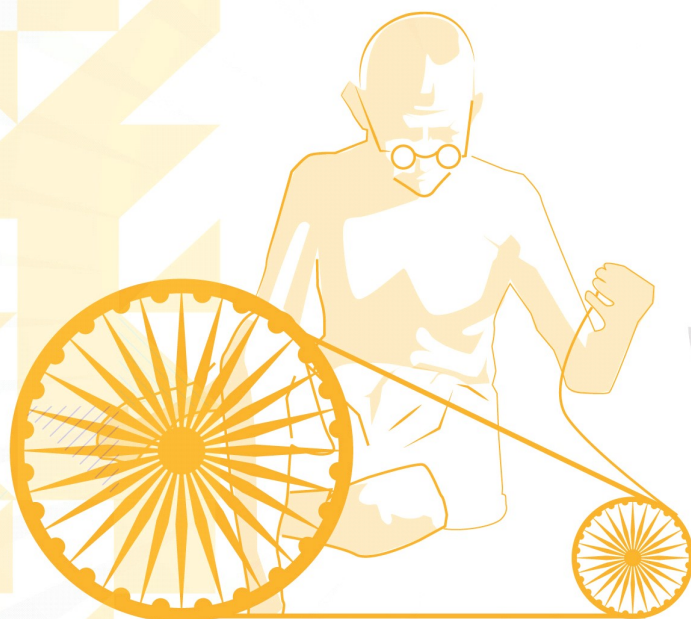
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Certificate of Participation



This is to certify that

Narayan Atoliya

has successfully attended a three-hour webinar on
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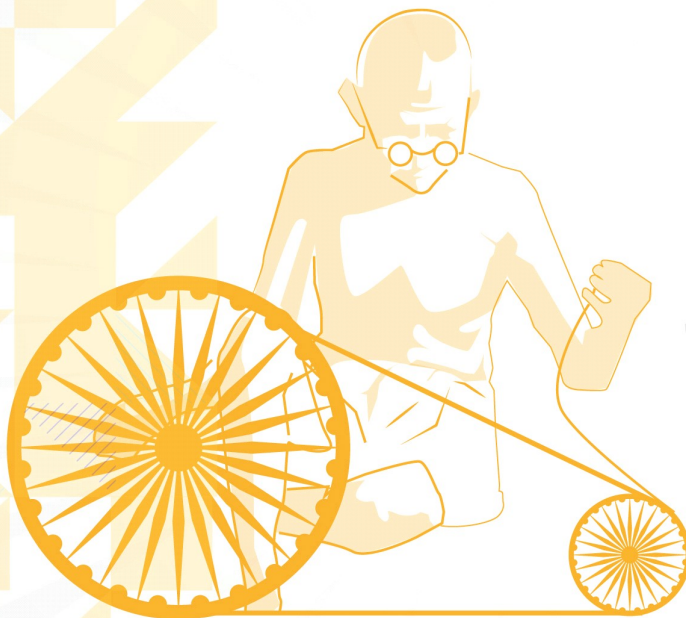
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Certificate of Participation



This is to certify that

Rahul Vasuniya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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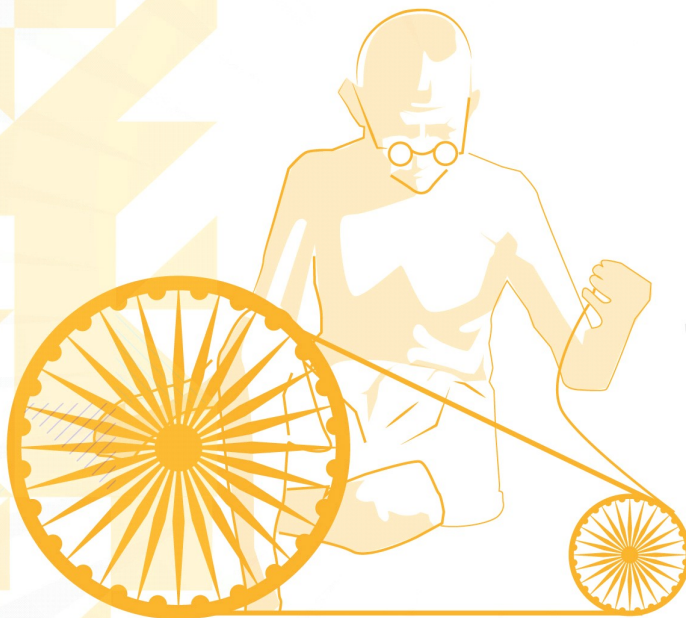
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Certificate of Participation



This is to certify that

Ravindra Parmar

has successfully attended a three-hour webinar on
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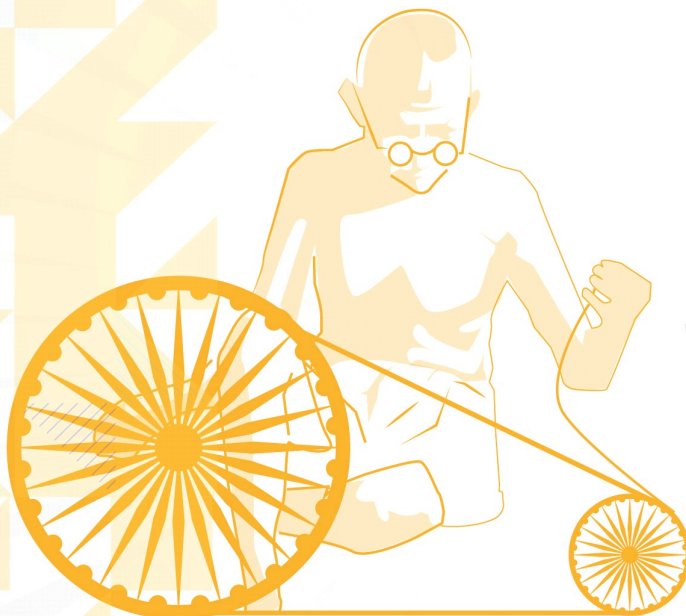
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Certificate of Participation



This is to certify that

Dr. Harishankar Dwivedi

has successfully attended a three-hour webinar on

Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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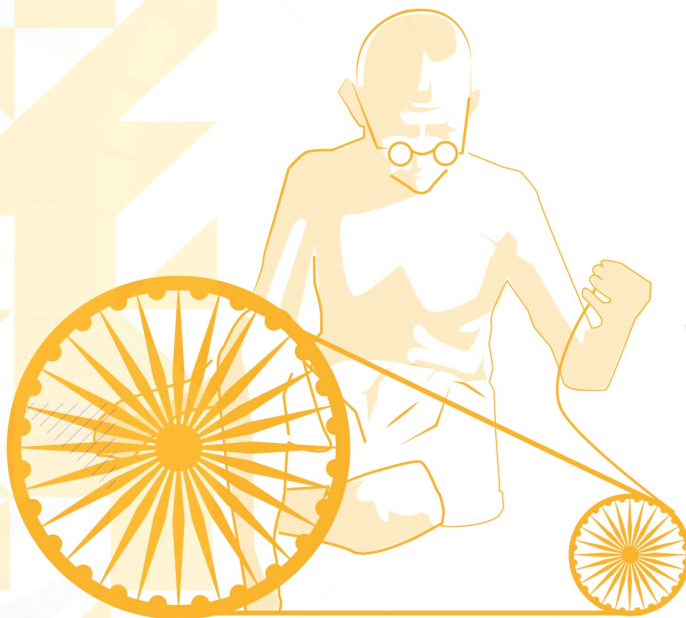
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Certificate of Participation



This is to certify that

Koushal Vishwakarma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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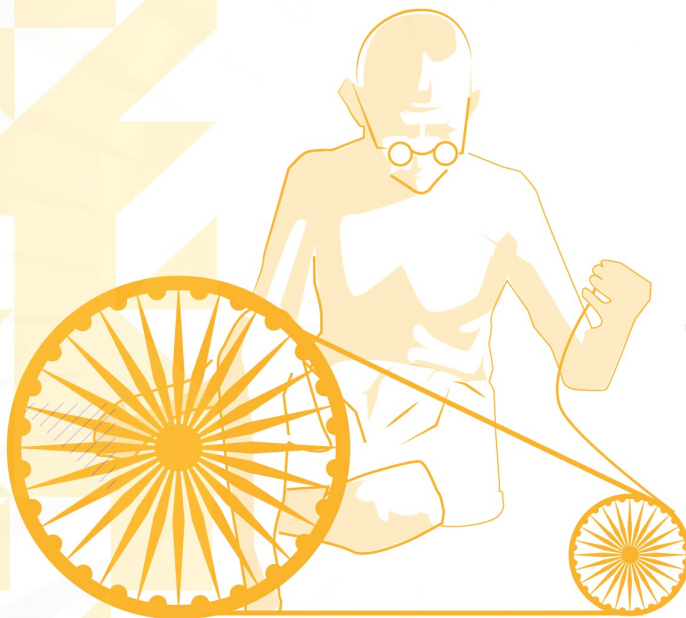
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Certificate of Participation



This is to certify that

Shubham Verma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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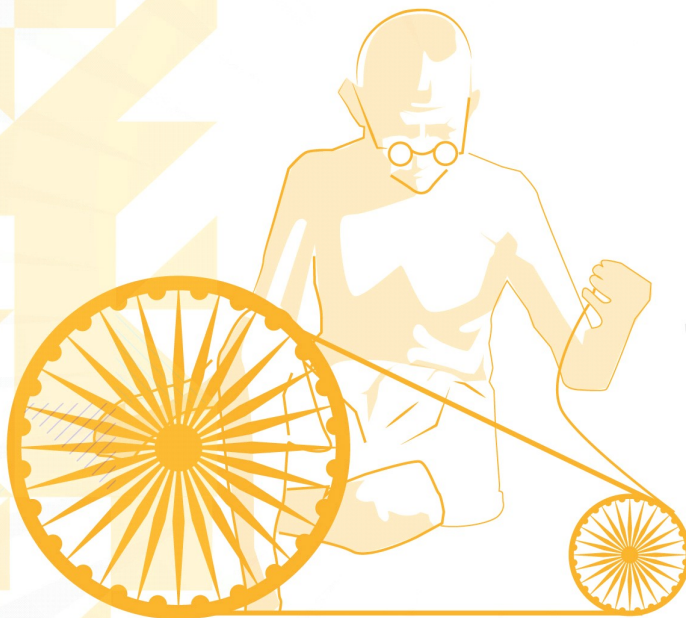
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Certificate of Participation



This is to certify that

Narendra Singh

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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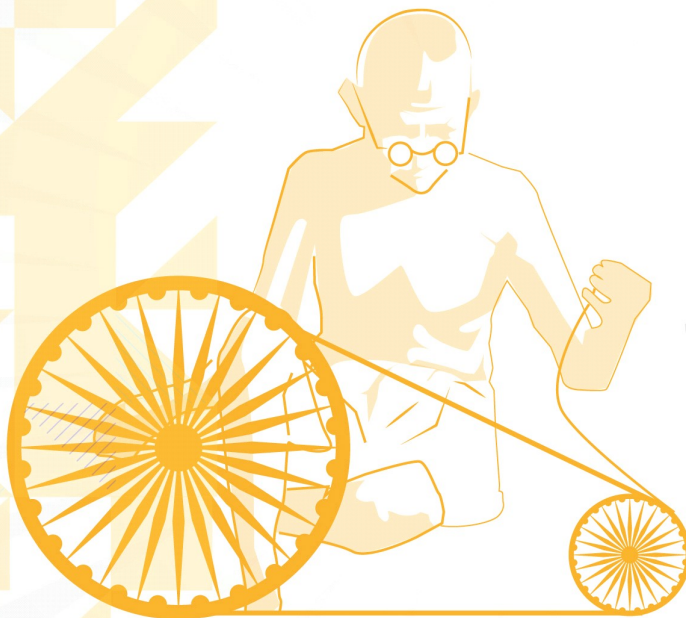
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Certificate of Participation



This is to certify that

Prince Malviya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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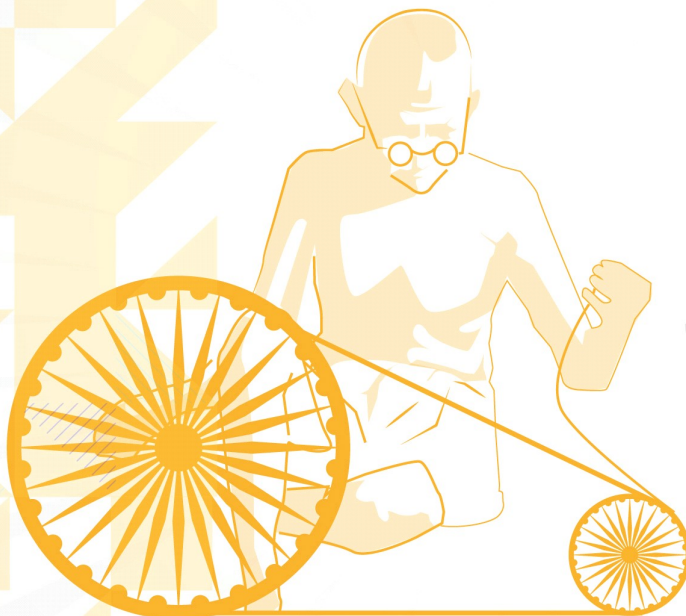
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Certificate of Participation



This is to certify that

Isha Sharma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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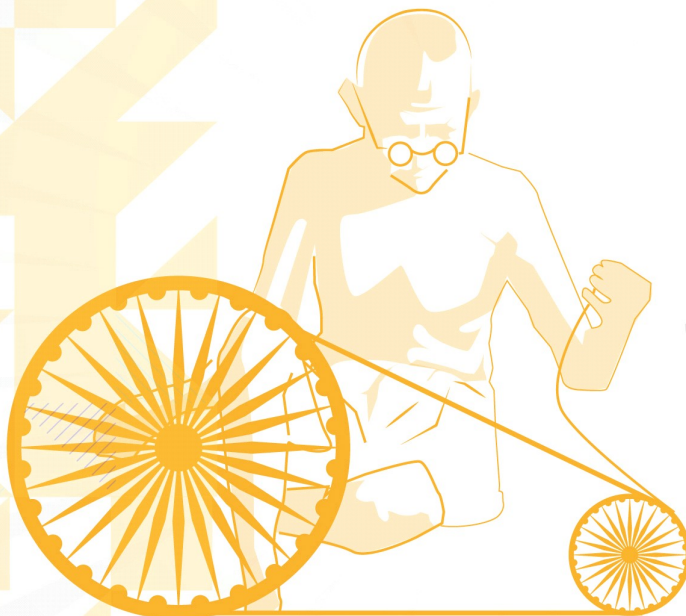
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Certificate of Participation



This is to certify that

Himanshi Bhawsar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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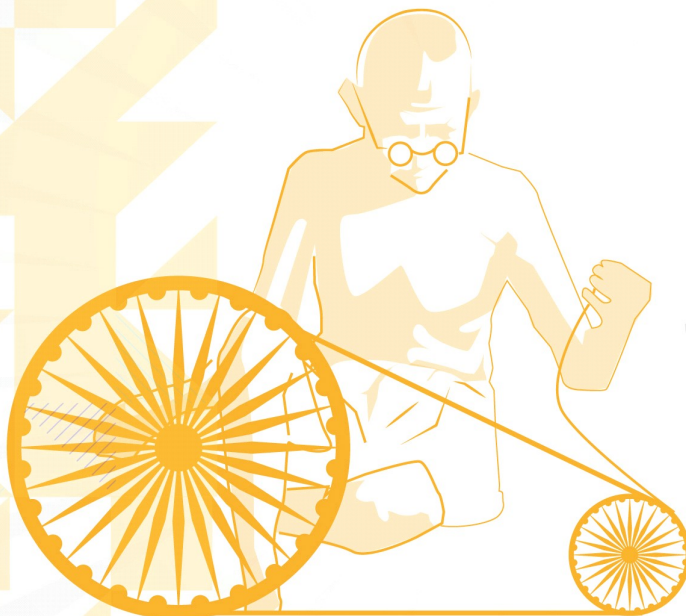
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Certificate of Participation



This is to certify that

Ajay Parmar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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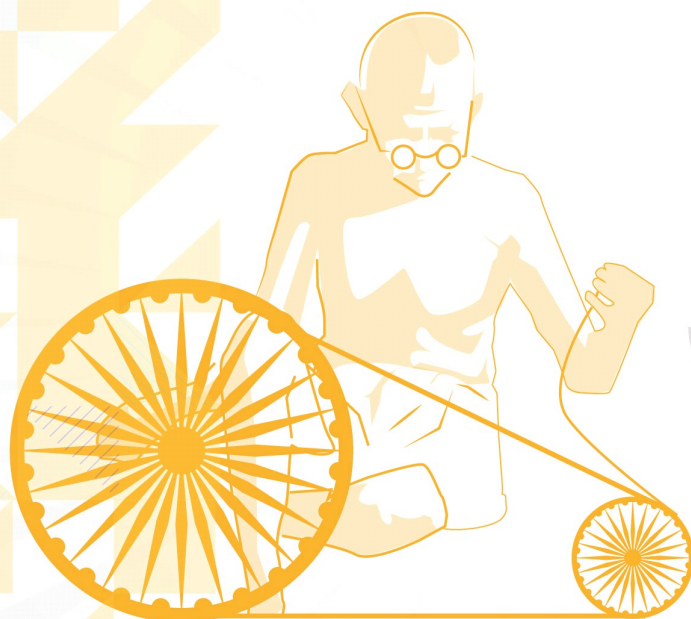
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Certificate of Participation



This is to certify that

Shraddha Sen

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Ajay Jaiswal

has successfully attended a three-hour webinar on
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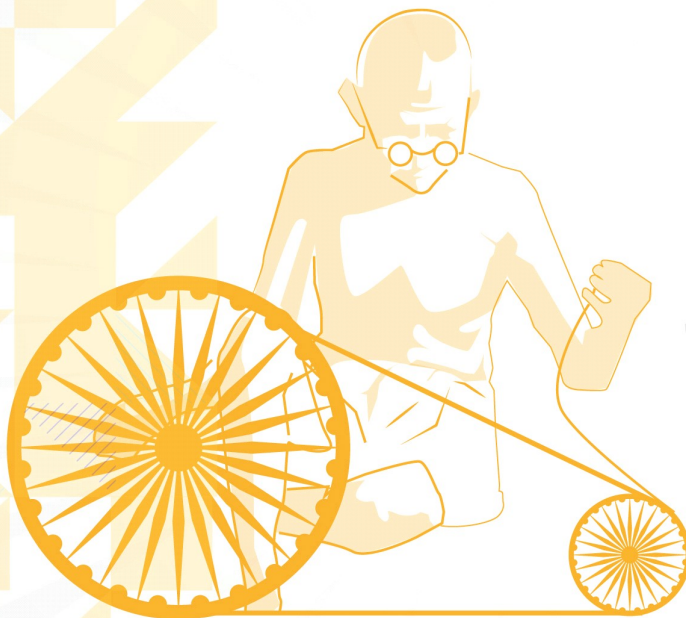
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Certificate of Participation



This is to certify that

Kavita

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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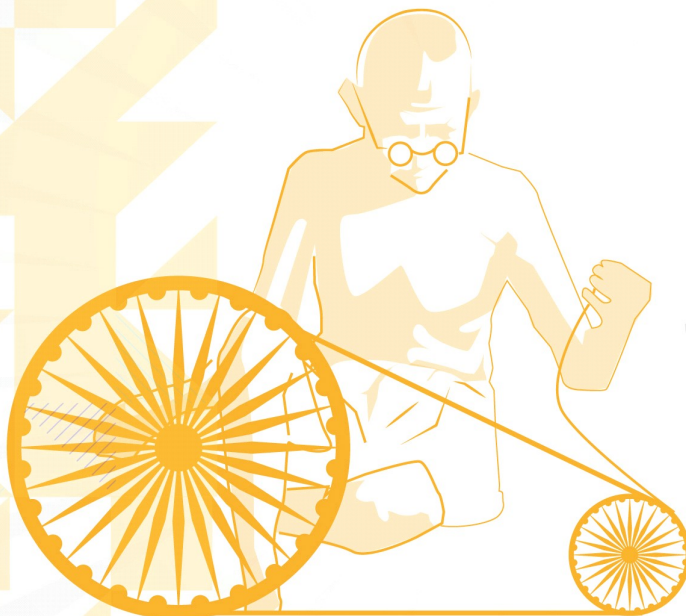
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Certificate of Participation



This is to certify that

Aman Jaiswal

has successfully attended a three-hour webinar on
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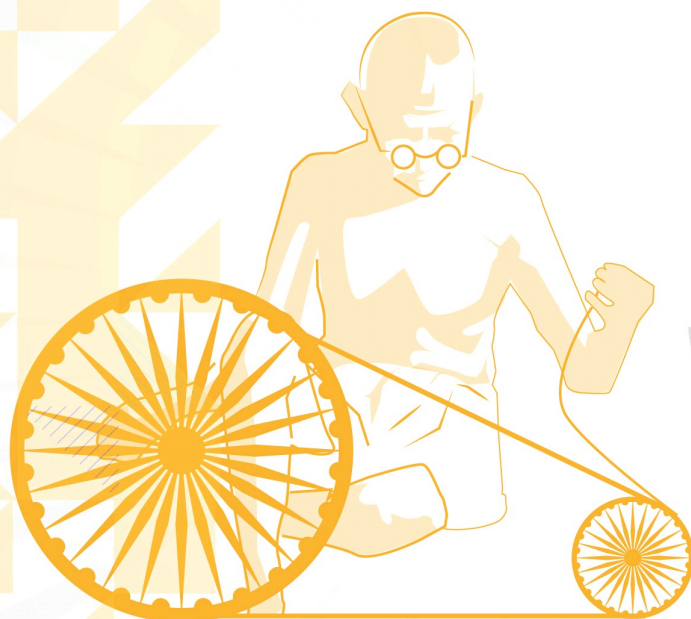
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Certificate of Participation



This is to certify that

Vaidika Chouhan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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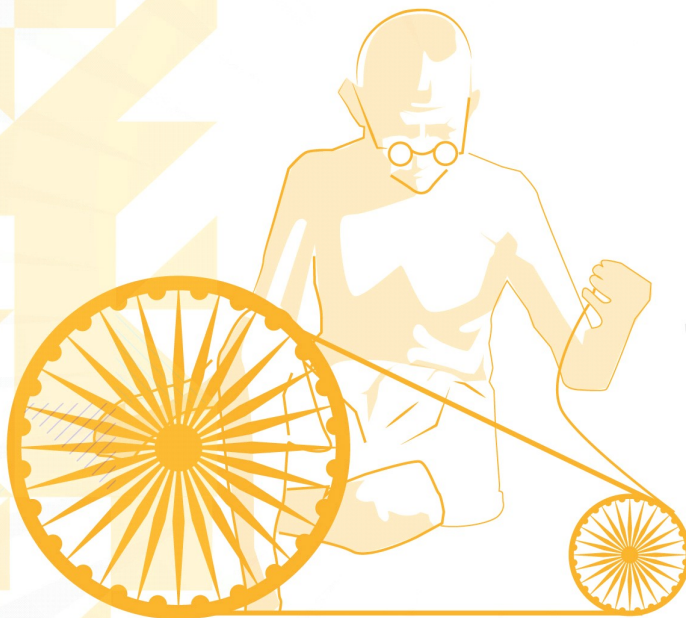
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Certificate of Participation



This is to certify that

Princi Mehta

has successfully attended a three-hour webinar on
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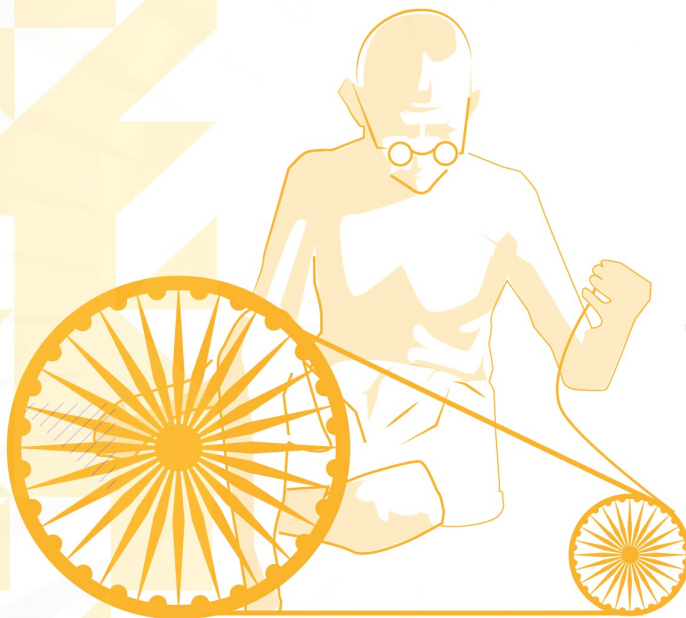
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Certificate of Participation



This is to certify that

Ganga Ora

has successfully attended a three-hour webinar on
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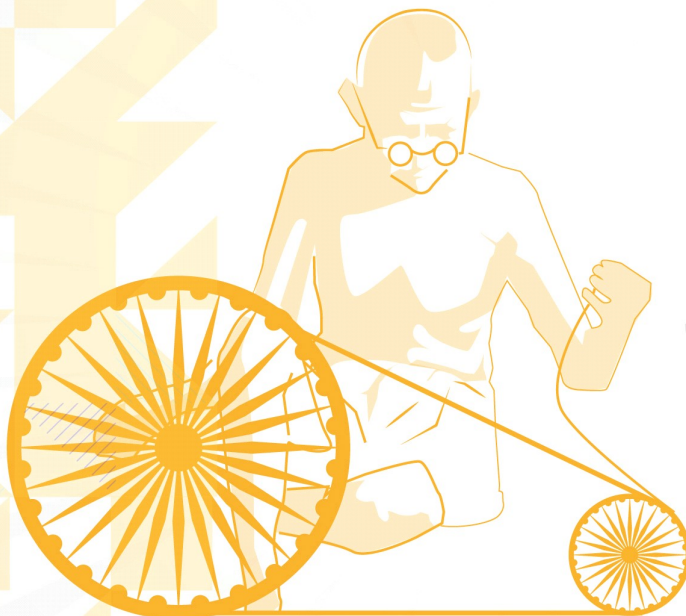
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Certificate of Participation



This is to certify that

Radha Vaktariya

has successfully attended a three-hour webinar on

Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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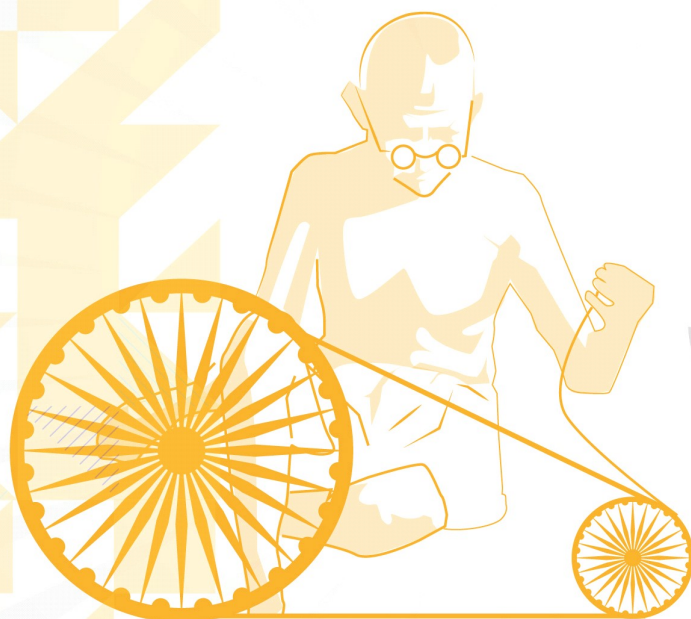
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Certificate of Participation



This is to certify that

Suresh Parmar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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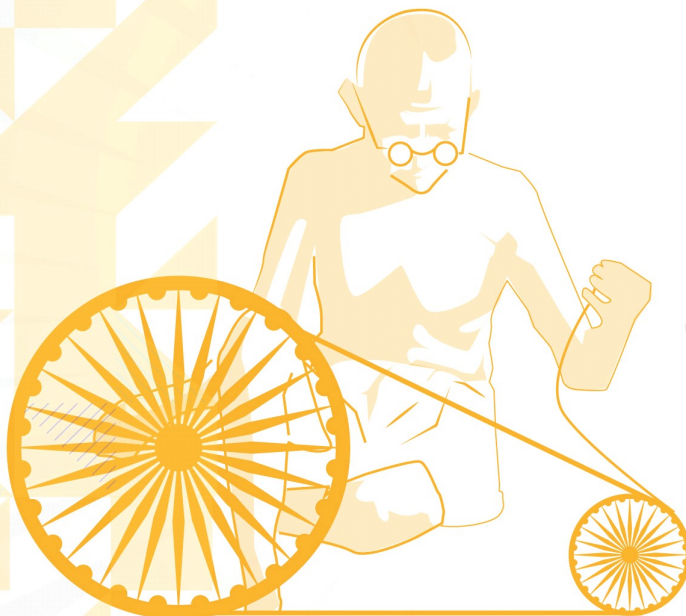
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Certificate of Participation



This is to certify that

Nitesh Sharma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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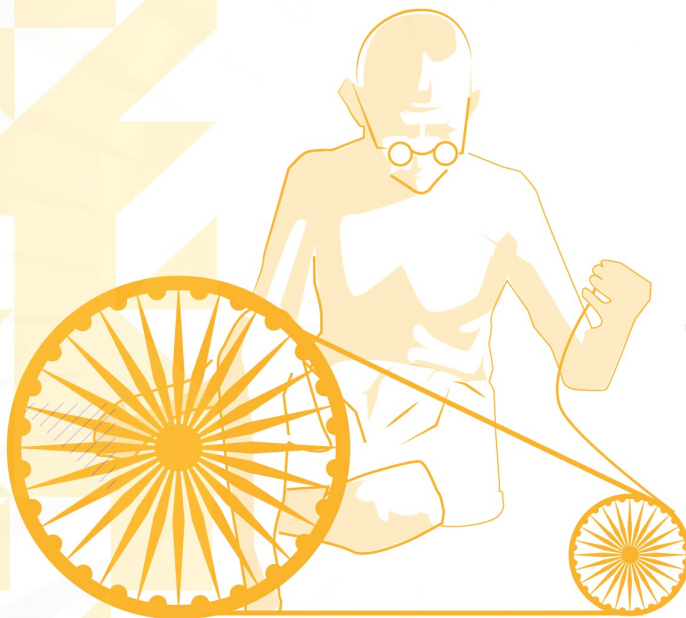
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Certificate of Participation



This is to certify that

Ashish Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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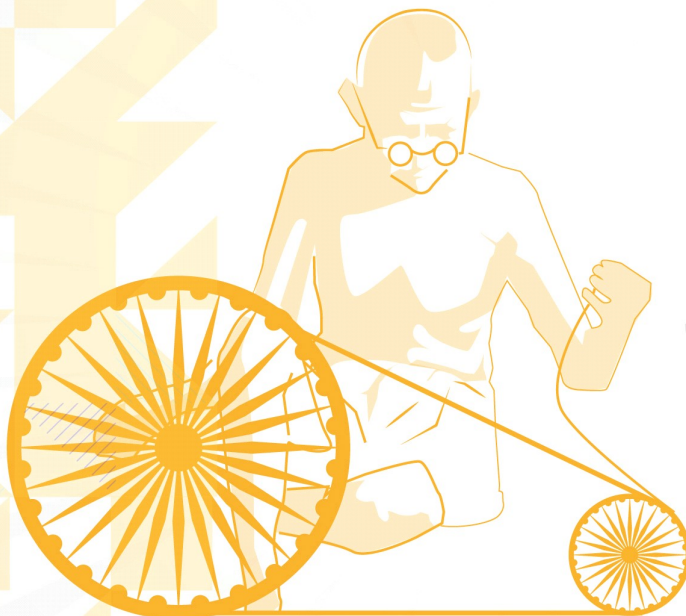
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Certificate of Participation



This is to certify that

Kamlesh Nagar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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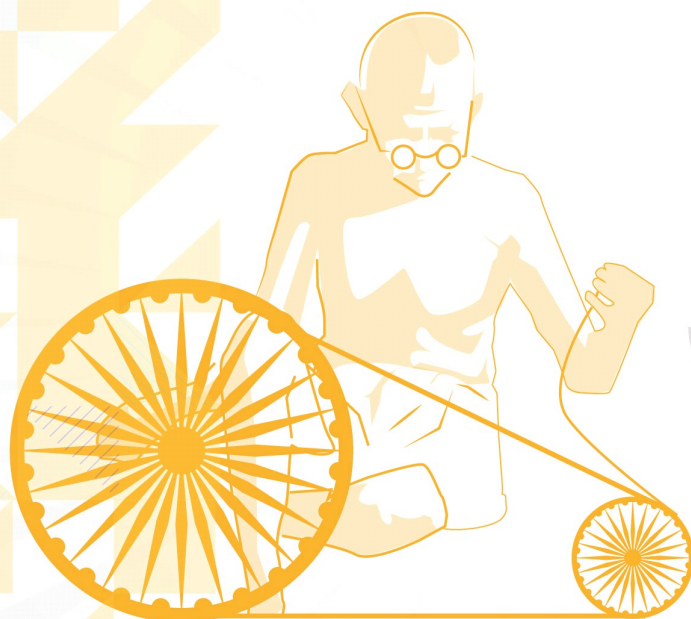
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Certificate of Participation



This is to certify that

Ketan Rawat

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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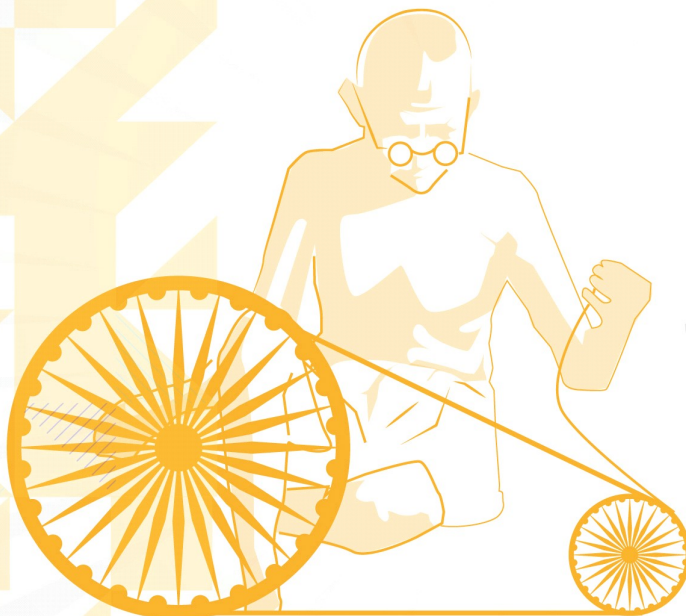
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Certificate of Participation



This is to certify that

Anjali Swarnkar

has successfully attended a three-hour webinar on
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Certificate of Participation



This is to certify that

Sapna

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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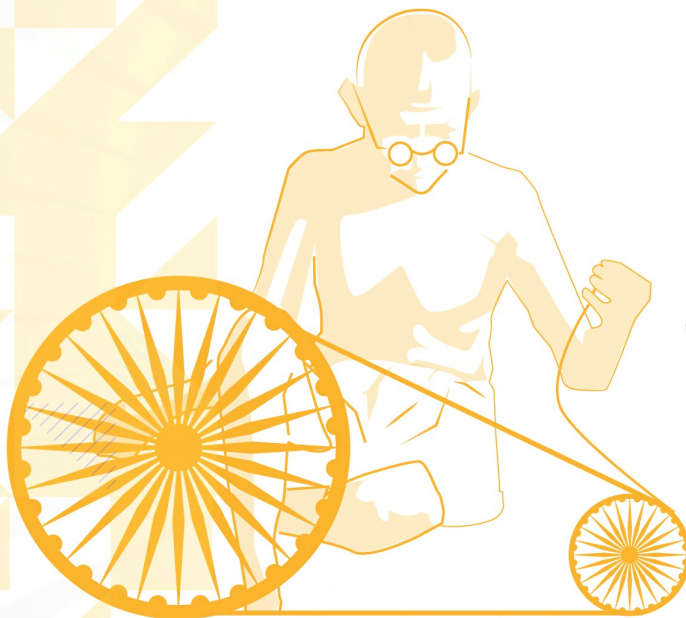
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Certificate of Participation



This is to certify that

Shazia Khan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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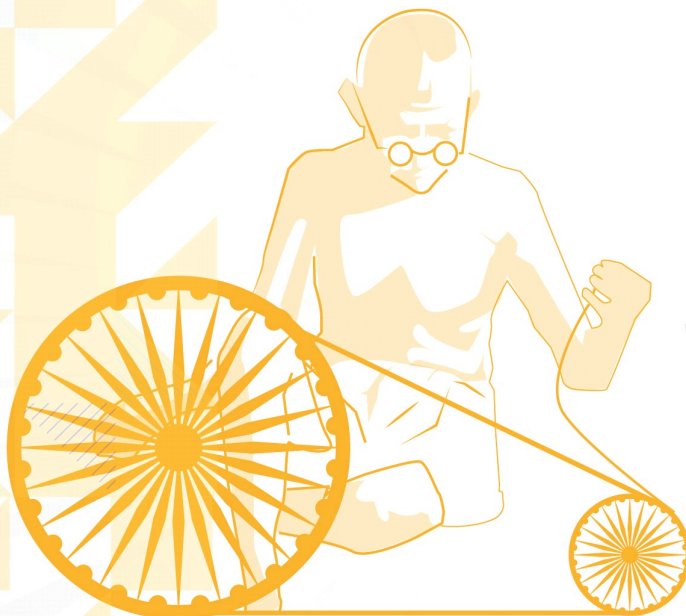
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Certificate of Participation



This is to certify that

Yash Kumar Gehlot

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Aanash Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Isha Poddar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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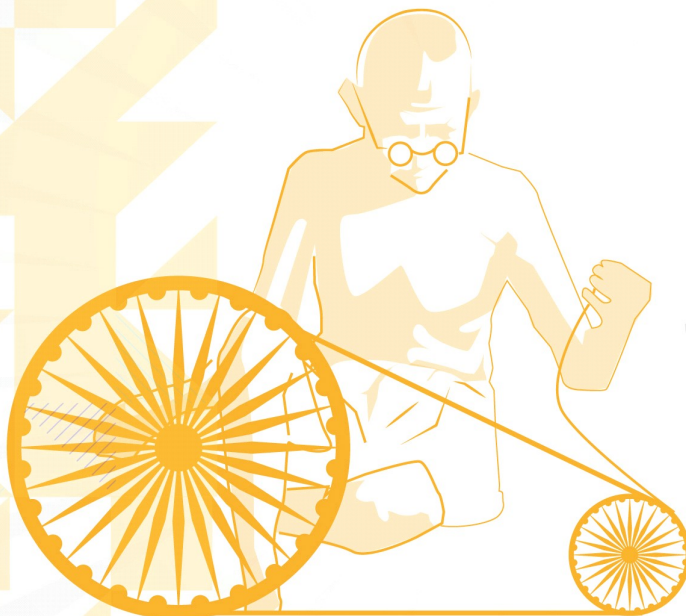
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Certificate of Participation



This is to certify that

Kiran Bagwan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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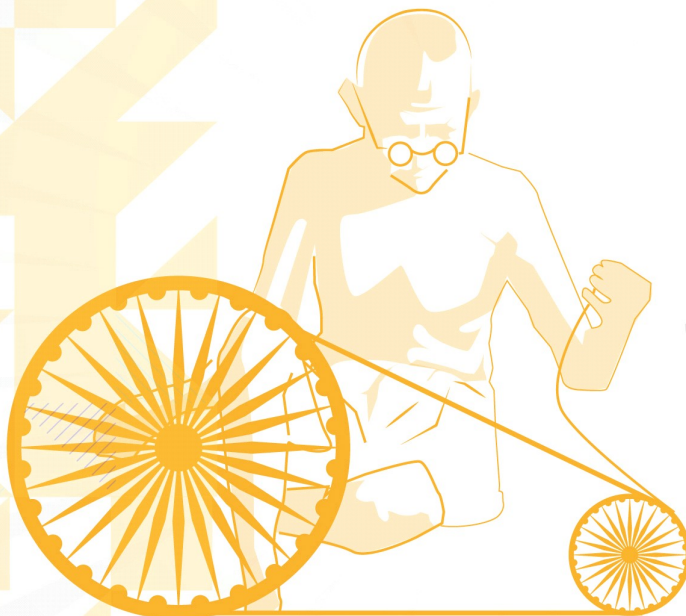
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Certificate of Participation



This is to certify that

Kavita

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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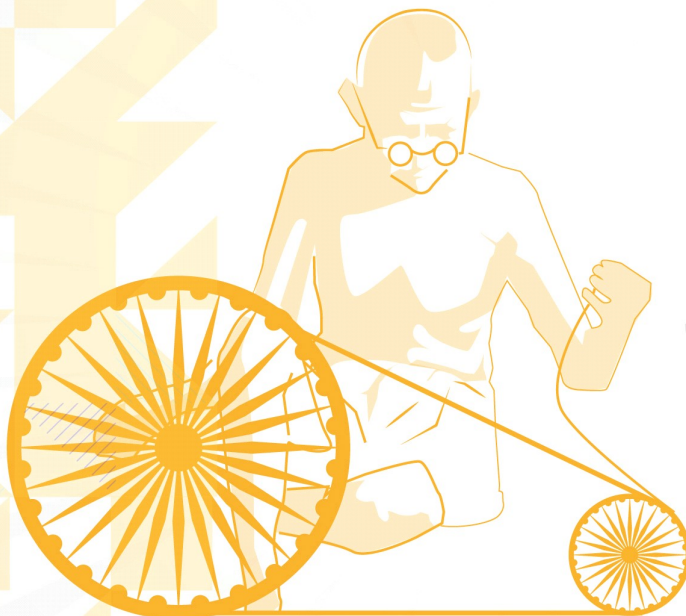
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Certificate of Participation



This is to certify that

Puja Patidar

has successfully attended a three-hour webinar on
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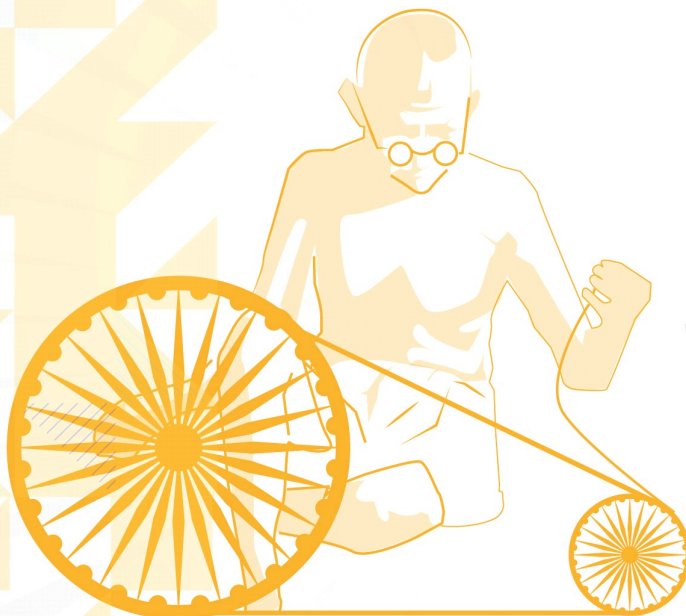
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Certificate of Participation



This is to certify that

Muskan Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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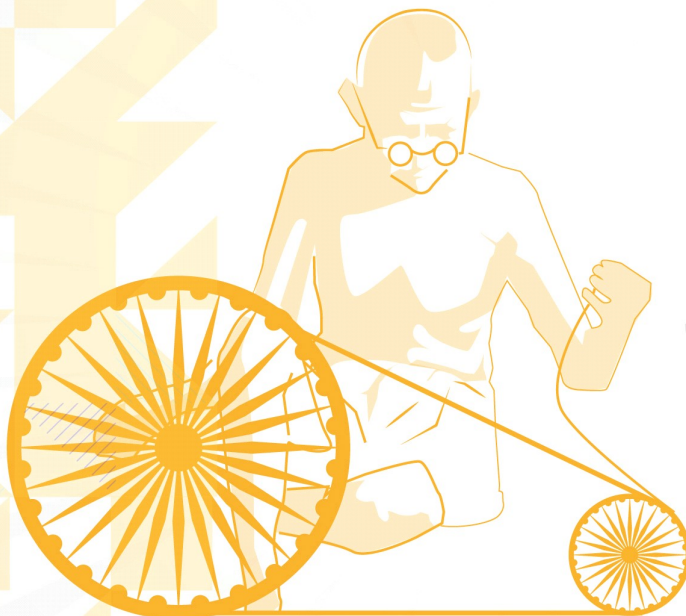
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Certificate of Participation



This is to certify that

Ranjana Khandel

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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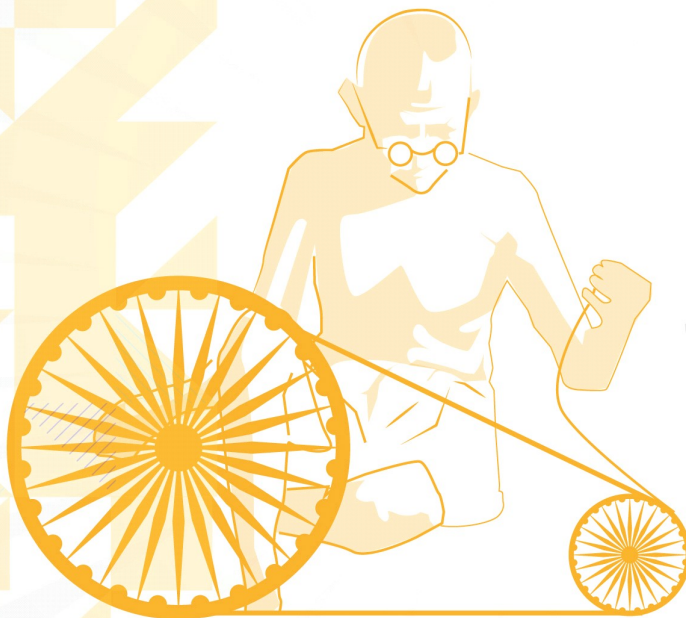
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Certificate of Participation



This is to certify that

Pooja Nandi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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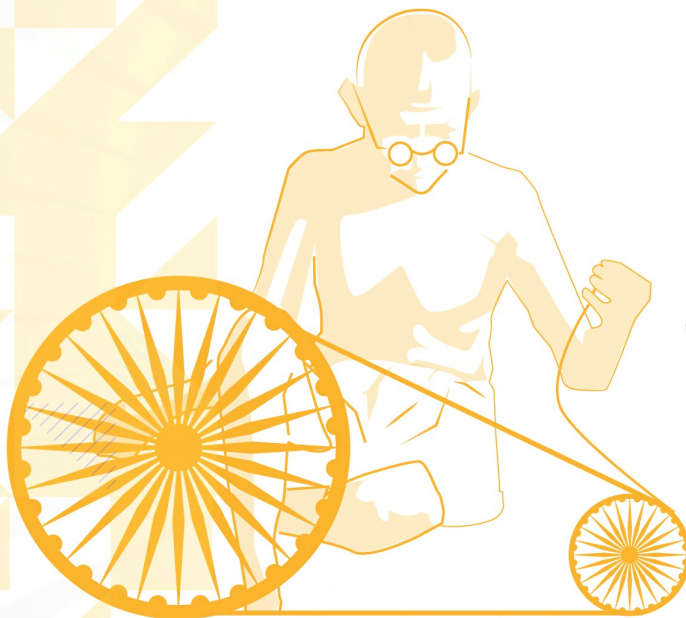
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Certificate of Participation



This is to certify that

Ashish Singh Bais

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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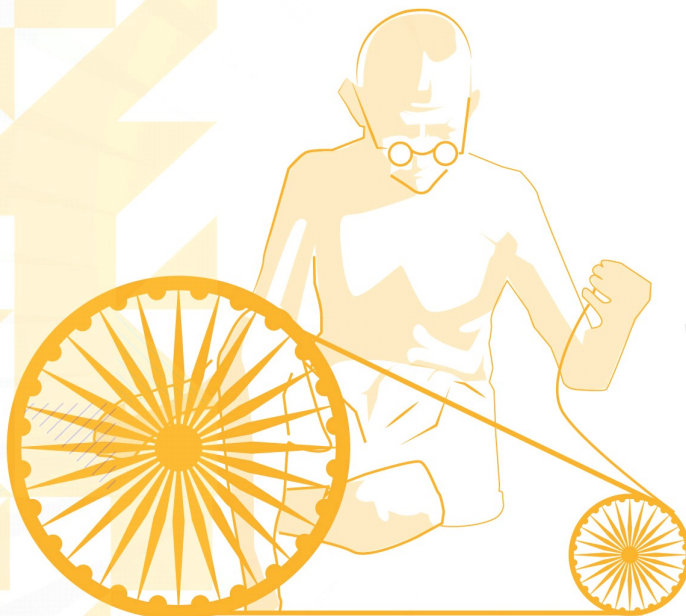
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Certificate of Participation



This is to certify that

Bablu Panchal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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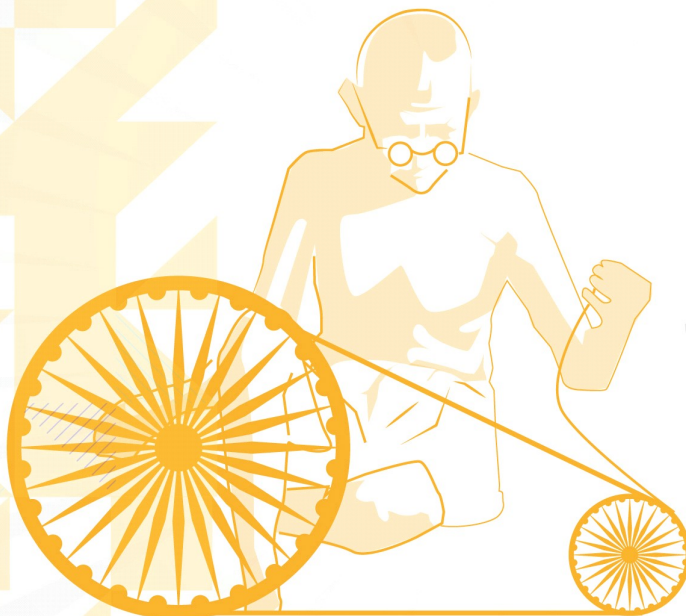
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Certificate of Participation



This is to certify that

Payal Raikwar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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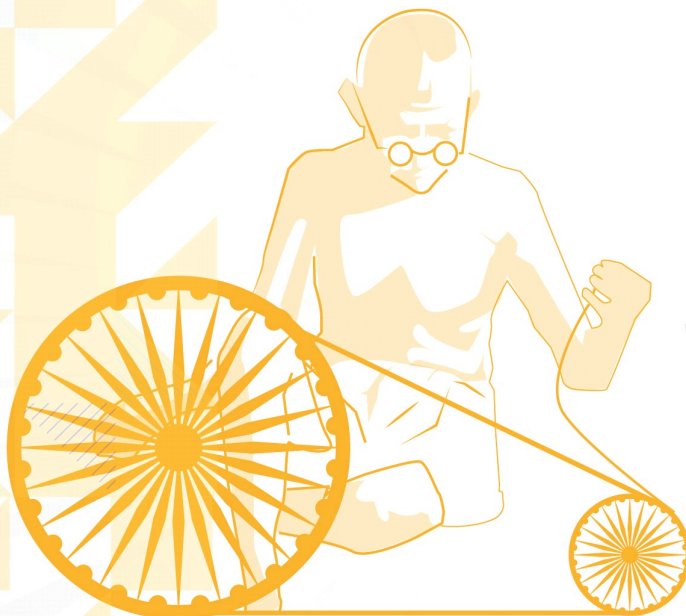
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Certificate of Participation



This is to certify that

Shivraj Singh

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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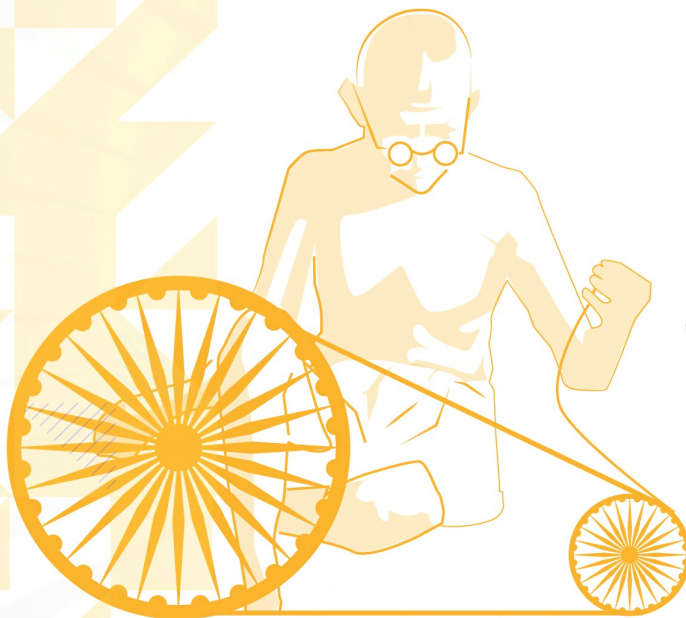
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Certificate of Participation



This is to certify that

Navin Malviya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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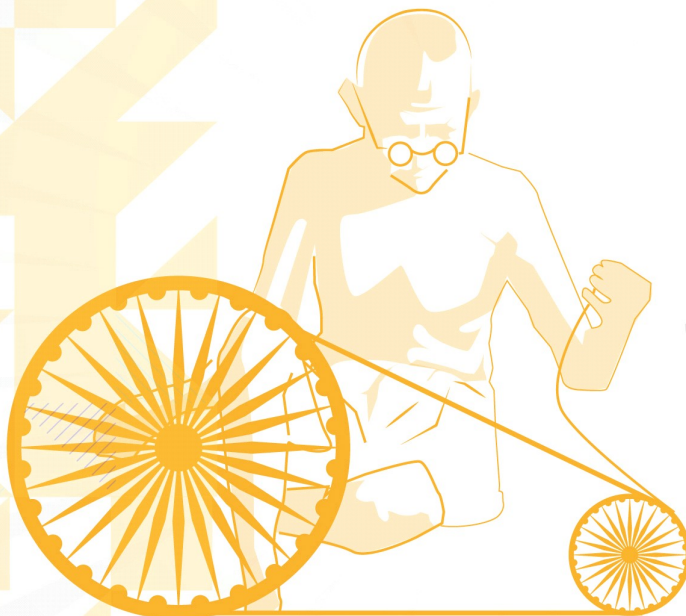
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Certificate of Participation



This is to certify that

Balram Rawat

has successfully attended a three-hour webinar on
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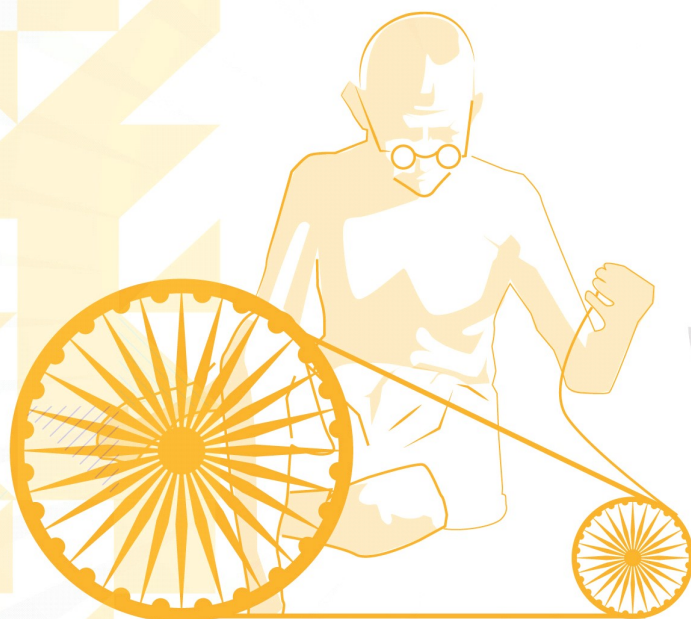
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Certificate of Participation



This is to certify that

Rupesh Jaiswal

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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Certificate of Participation



This is to certify that

Sunil Patidar

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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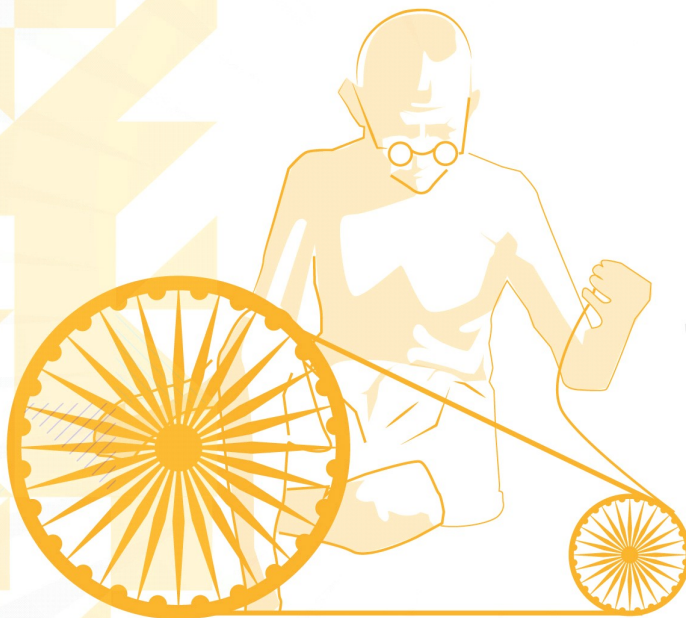
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Certificate of Participation



This is to certify that

Ghanshyam Bairagi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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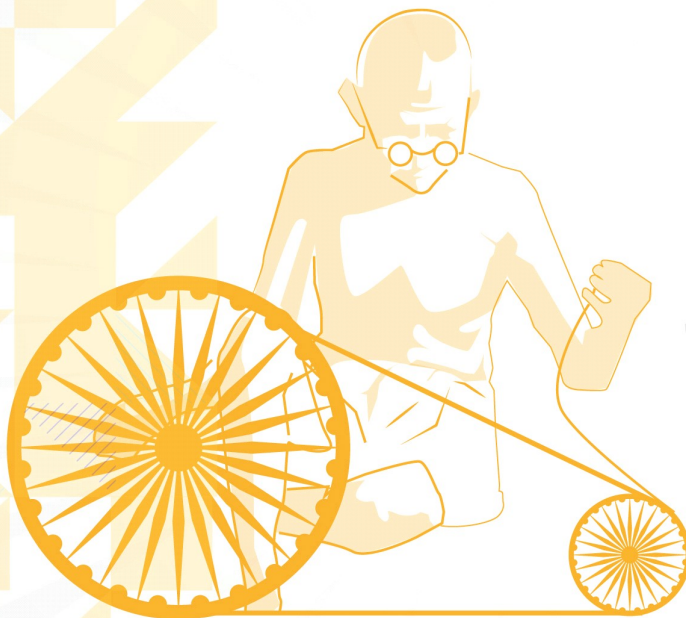
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Certificate of Participation



This is to certify that

Neha Jaiswal

has successfully attended a three-hour webinar on
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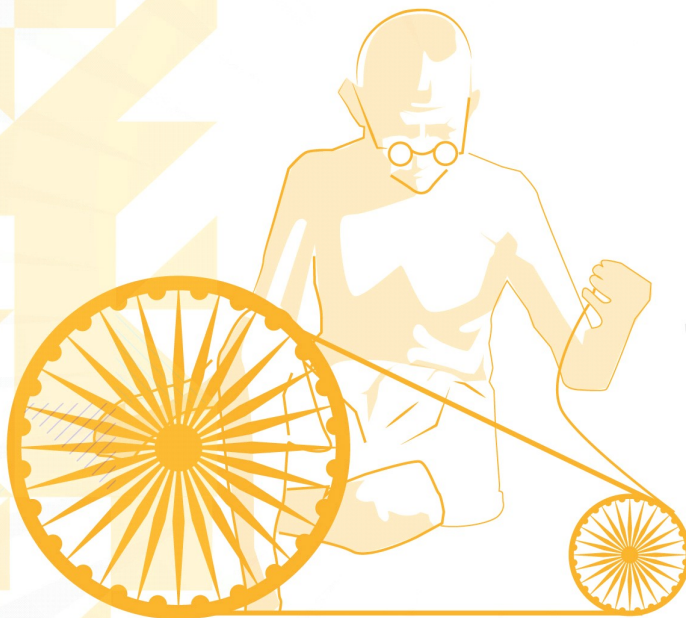
2nd October 2020

Date

Swati Kalwar
Chief Executive Officer
Energy Swaraj Foundation

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Certificate of Participation



This is to certify that

Subhadra Chouhan

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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organized by the Energy Swaraj Foundation on 2nd October 2020

in association with

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2nd October 2020

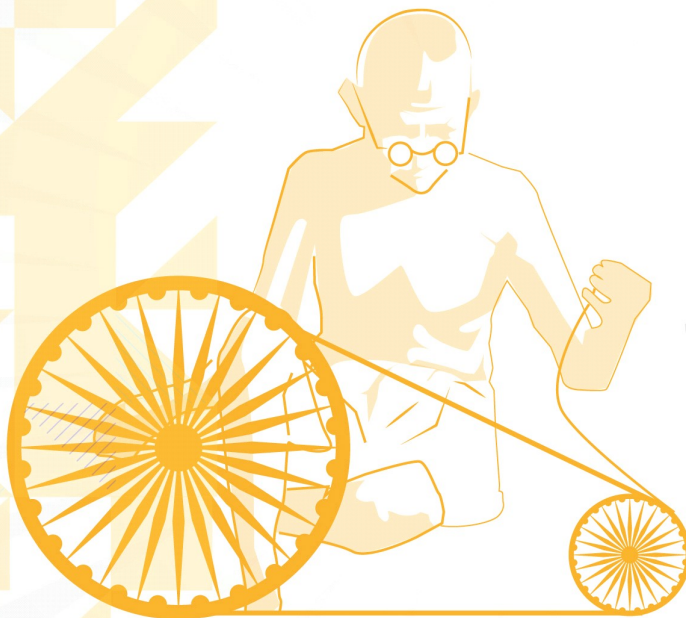
Date

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Certificate of Participation



This is to certify that

Pratimesh Oladi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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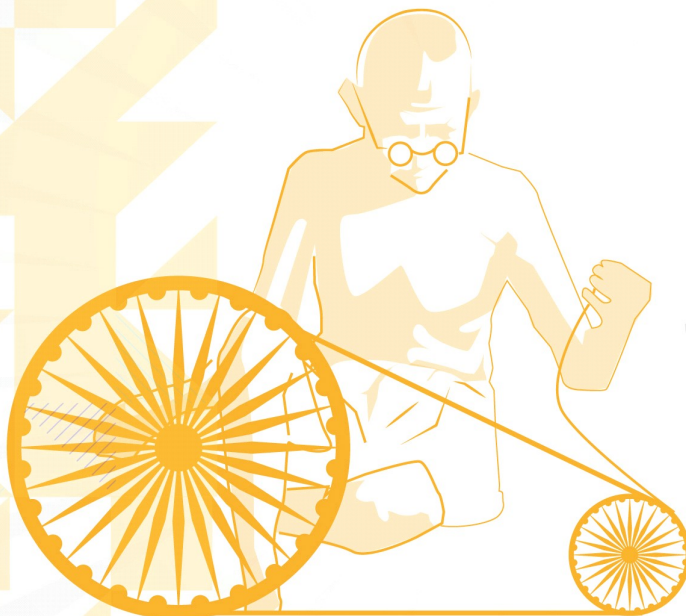
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Nivesh Gupta

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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in association with
Govt. Madhav Science College

2nd October 2020

Date

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Certificate of Participation



This is to certify that

Rahul Rathod

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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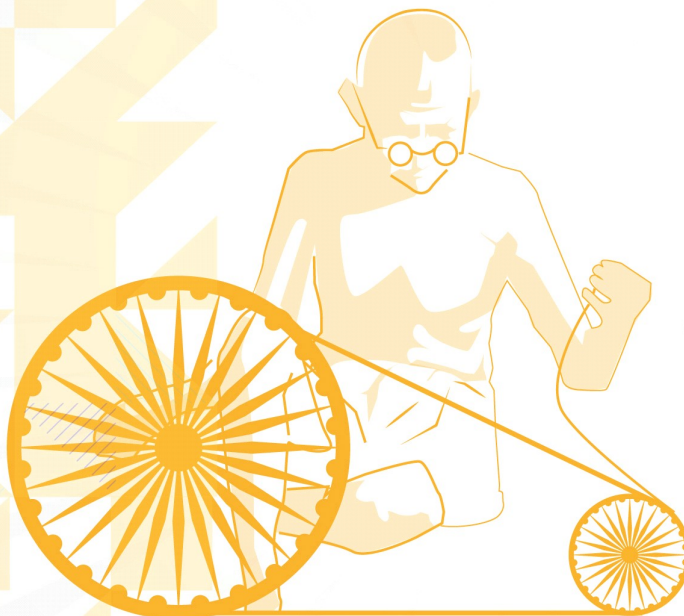
2nd October 2020

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Certificate of Participation



This is to certify that

Manju Mandor

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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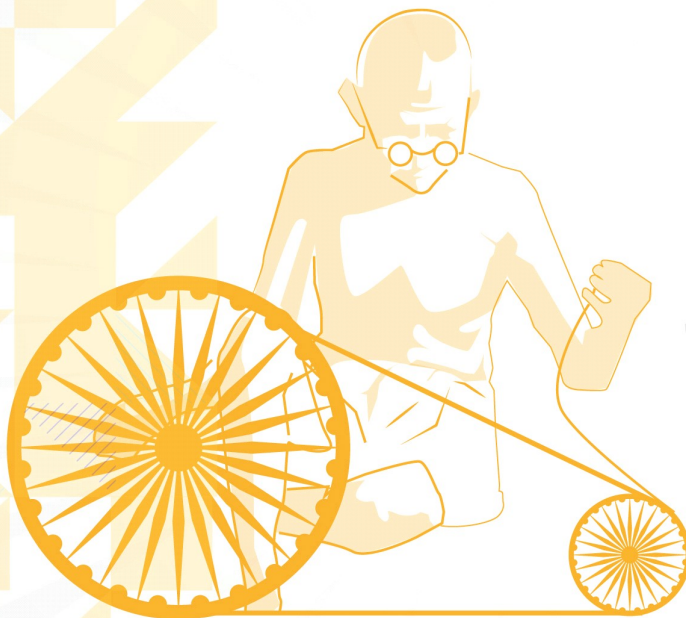
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Rahul Trivedi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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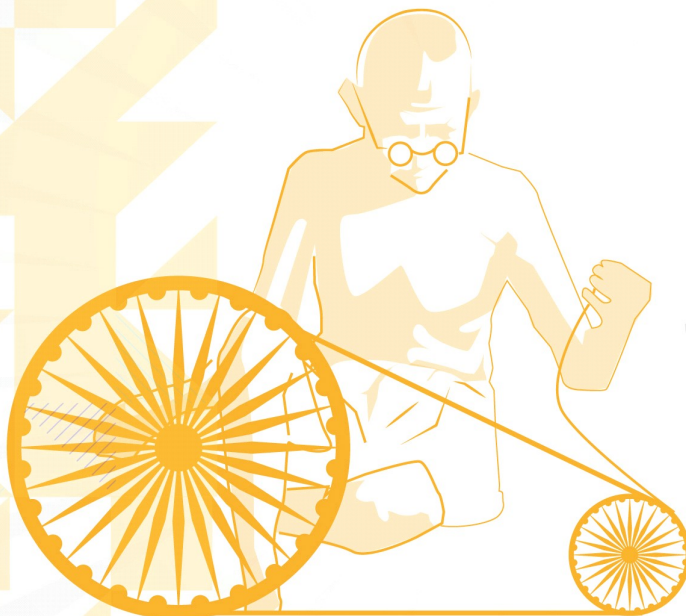
2nd October 2020

Date

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Energy Swaraj Foundation

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Certificate of Participation



This is to certify that

Vikash Dewda

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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in association with

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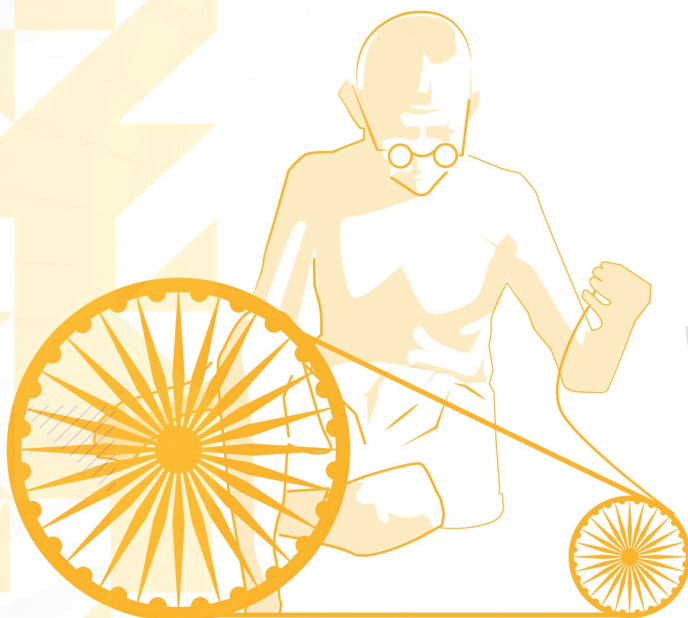
2nd October 2020

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Certificate of Participation



This is to certify that

Ananya Sharna

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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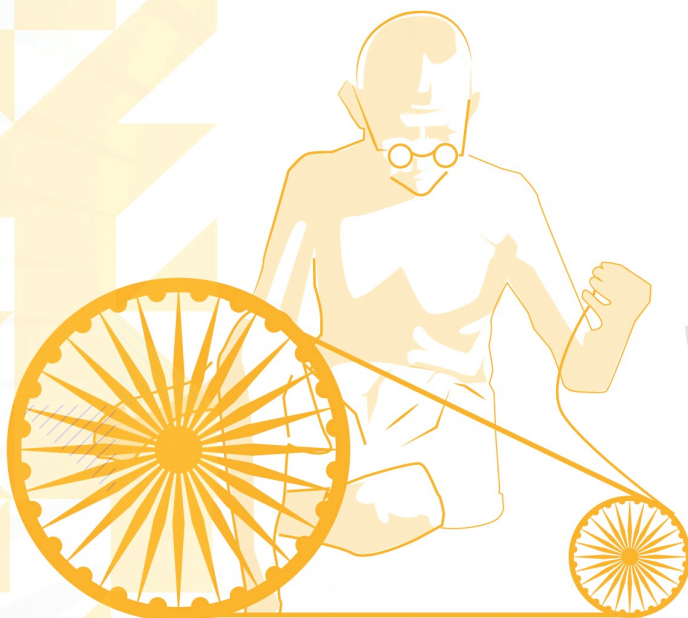
2nd October 2020

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Certificate of Participation



This is to certify that

Trapti Jain

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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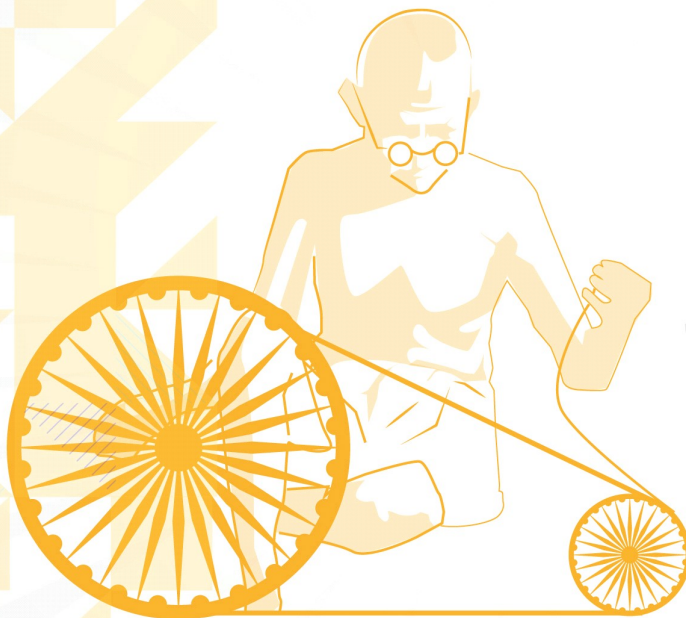
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Sunil Malviya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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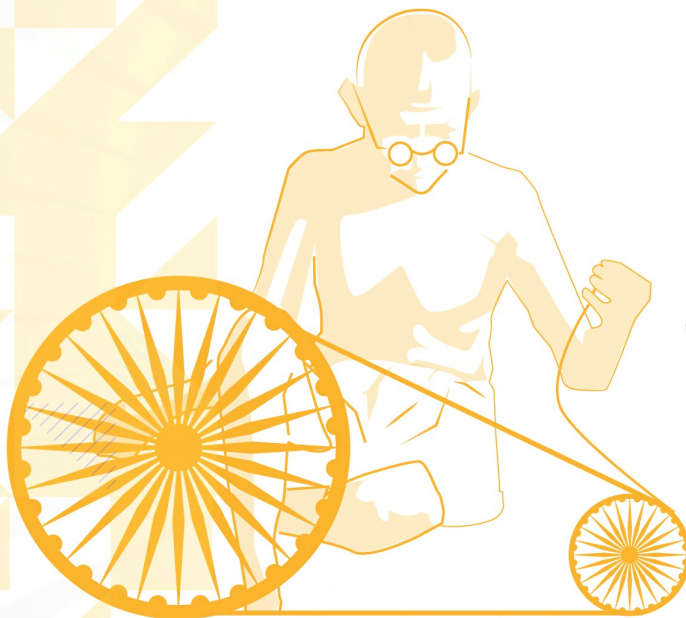
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Dr Anurag Titov

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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2nd October 2020

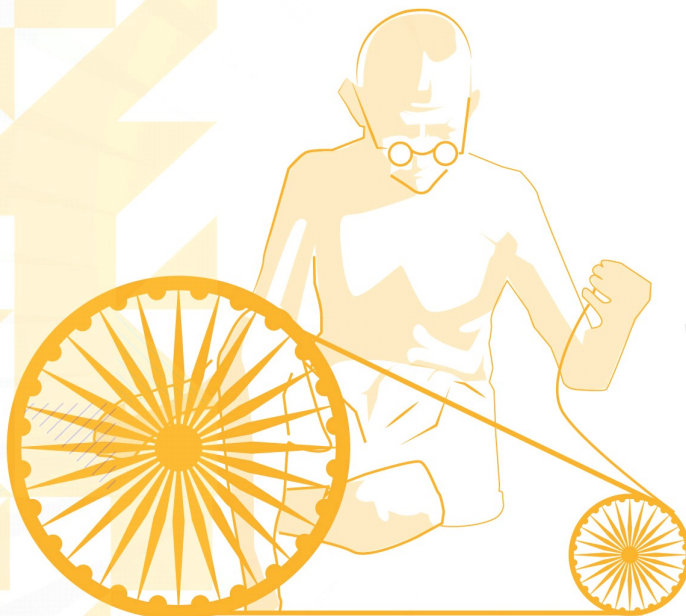
Date

Swati Kalwar
Chief Executive Officer
Energy Swaraj Foundation

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SSA_2020_08321



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Certificate of Participation



This is to certify that

Reena Kher

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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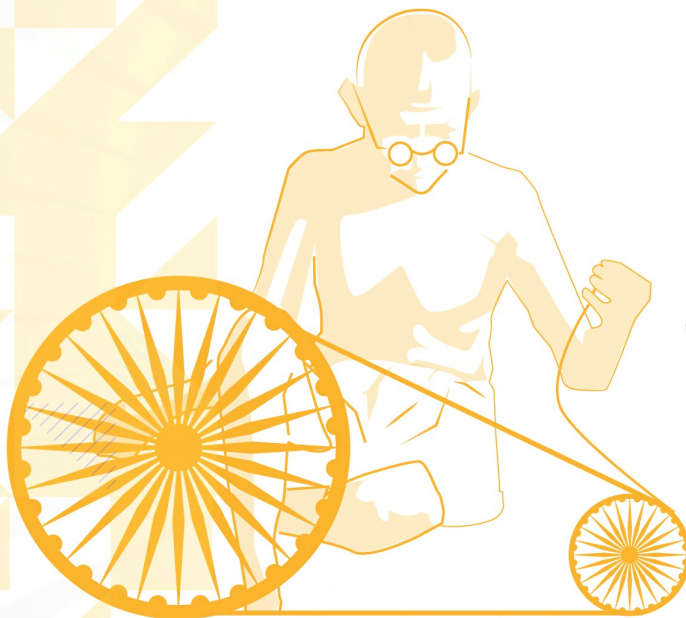
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Muskan Tiwari

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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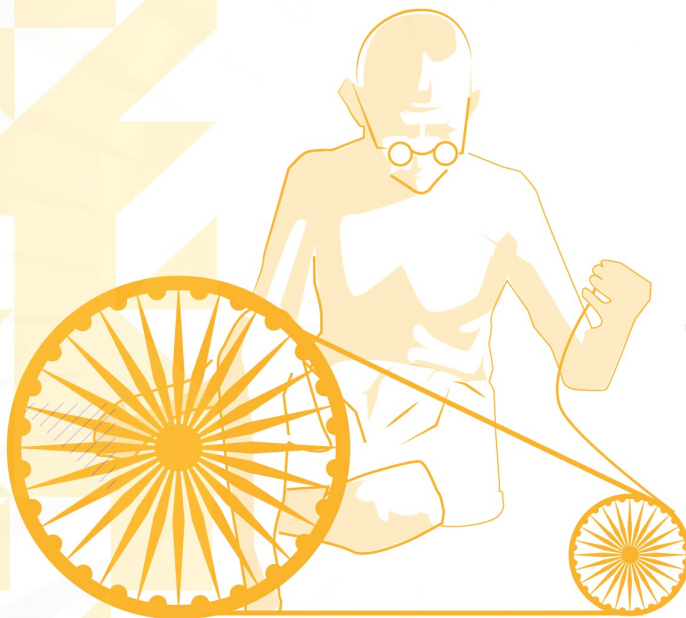
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Shivani Maru

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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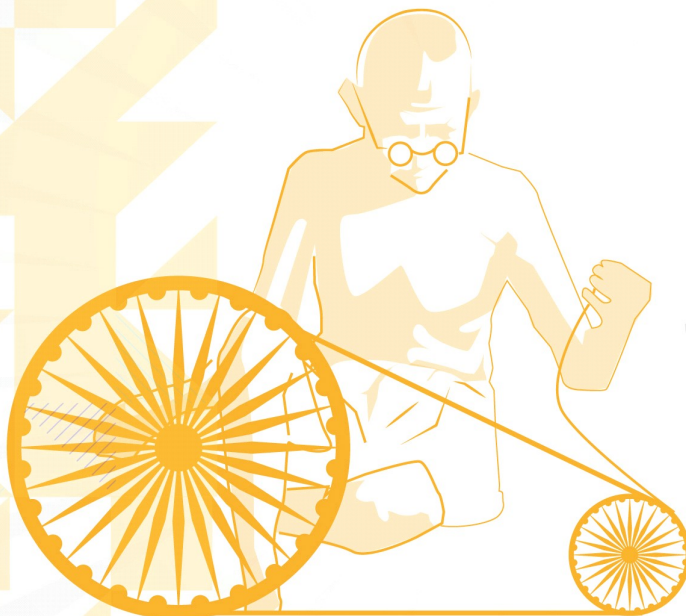
2nd October 2020

Date

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Certificate of Participation



This is to certify that

Khushbu Malviya

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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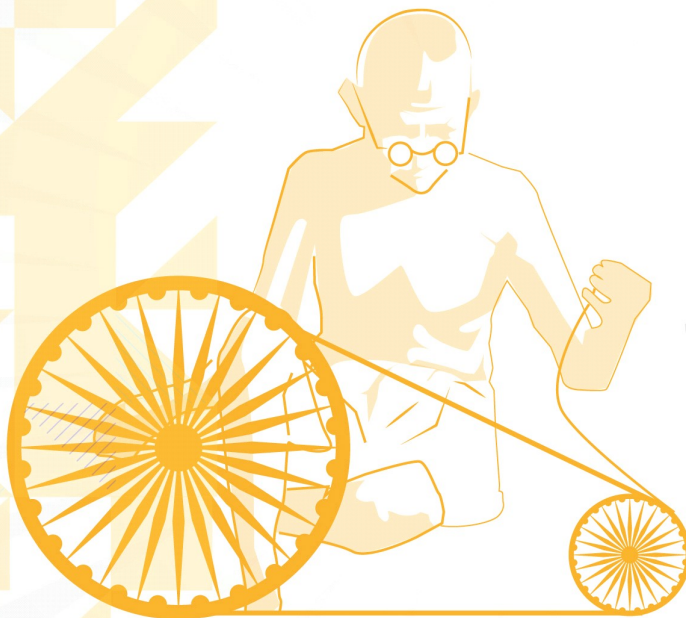
Date

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Certificate of Participation



This is to certify that

Pinky Dwivedi

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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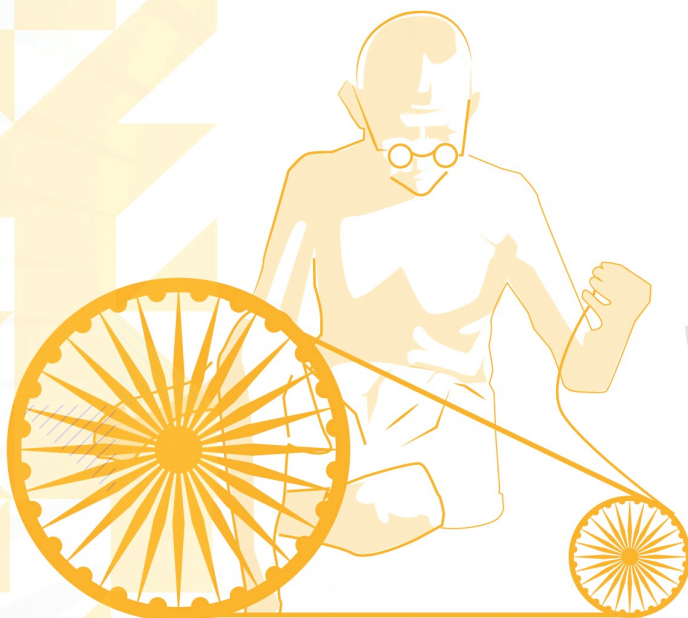
2nd October 2020

Date

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Chief Executive Officer
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Certificate of Participation



This is to certify that

Bhawna Malik

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
Global Swachh Vatavaran Abhiyan of **Student Solar Ambassador Workshop**
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Certificate of Participation



This is to certify that

Radhika Sharma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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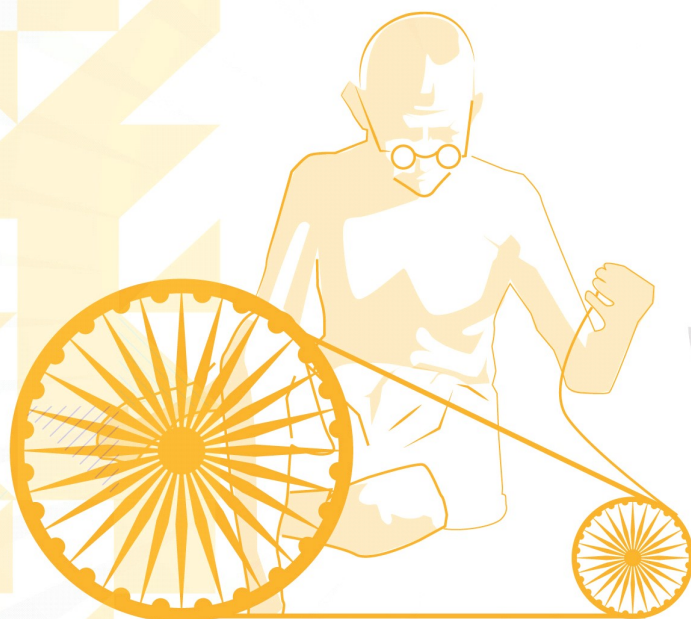
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Certificate of Participation



This is to certify that

Shruti Sharma

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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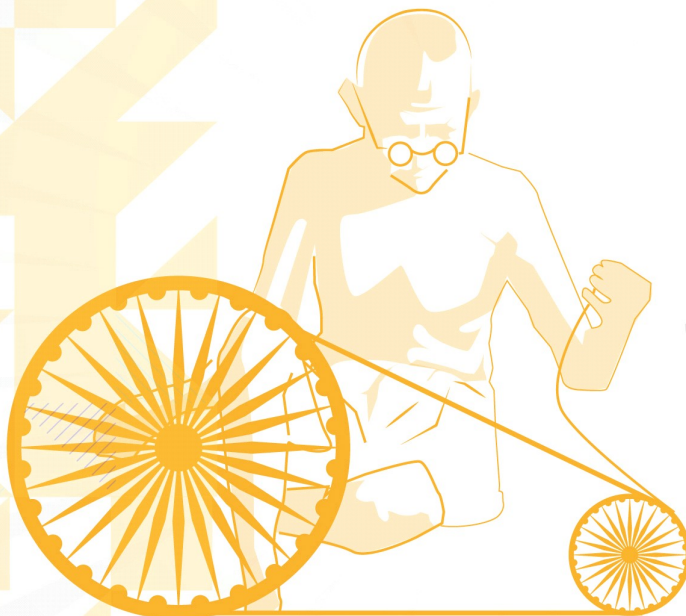
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Certificate of Participation



This is to certify that

Prahlad Singh

has successfully attended a three-hour webinar on
Role of Youth in Attaining Atmanirbhar Bharat in Energy as a part of
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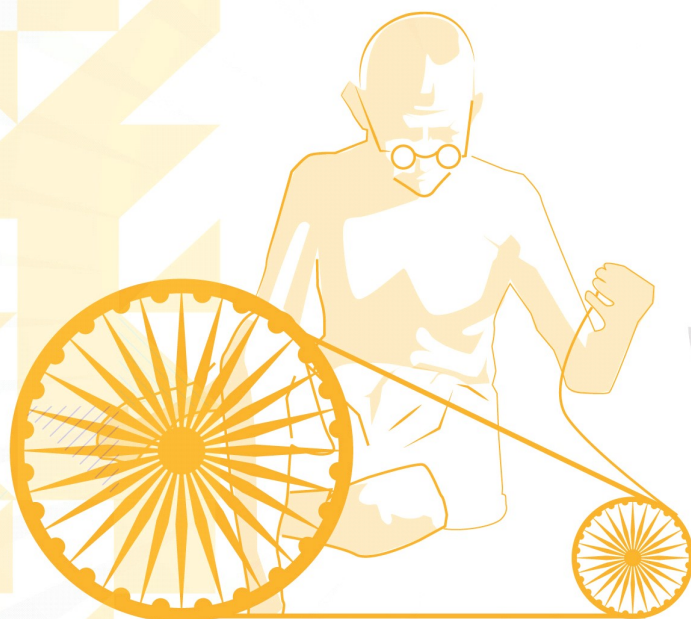
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Certificate of Participation



This is to certify that

Preeti Jha

has successfully attended a three-hour webinar on
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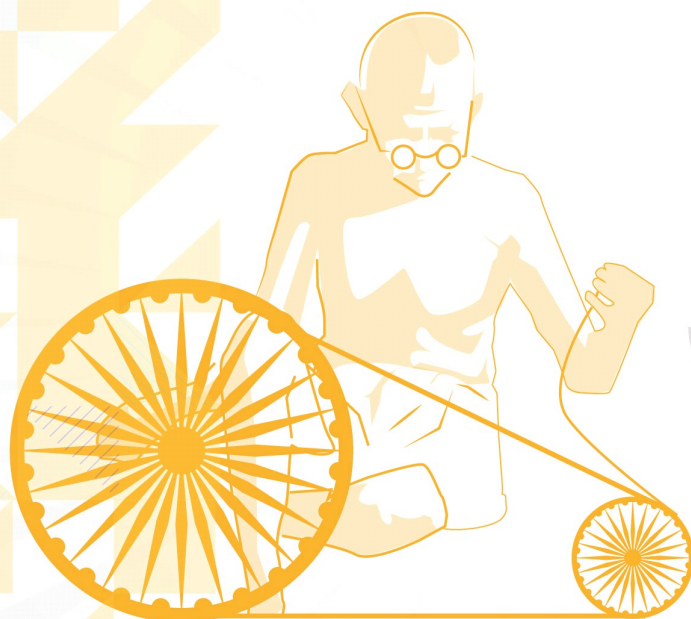
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clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/30/2020 18:33:03	singhkalpana297@gmail.	kalpana singh				MP		
8/30/2020 18:36:19	anishapetchimuthu1997@gmail	Annisia Petchimuthu	Ms.	Student	Royal College of Arts, Sci	Maharashtra	9930619441	Ok
8/30/2020 18:36:28	souren.mondal12345@gmail	Souren Mondal	Mr.	Student	City college university of (Westbengal	9932869760	No
8/30/2020 18:36:42	pavithradharmalingam6@gmail	PAVITHRA D	Ms.	Student	Cauvery college for wom	Tamil nadu	7538832900	
8/30/2020 18:37:05	jangheltrilok9@gmail.com	TRILOK JANGHEL	Mr.	Student	SHREE SHANKRACHAR CHHATTISGARH		6268269256	
8/30/2020 18:37:13	sandepparmar0980@gmail	SANDEEP PARMAR	Mr.	Student	Government. Madhav sci	MP	8965877041	
8/30/2020 18:37:20	camelia.dutta1041999@gmail	CAMELIA DUTTA	Ms.	Student	Seth Anandram Jaipuria C	West Bengal	7449414464	
8/30/2020 18:37:22	ishvarlal1997@gmail.com	Mr. Ishvarlal	Mr.	Student	Government Madhav Sci	Madhya pradesh	7024004091	Yes
8/30/2020 18:37:25	sushil.skb87@gmail.com	Dr. Sushil Kumar	Dr.	Faculty	C.C.S. P.G. College Heon	U.P.	9927489684	Yes
8/30/2020 18:37:30	lillymary02@gmail.com	LILLY MARY M	Ms.	Student	MADRAS CHRISTIAN CC	Tamilnadu	9092261020	
8/30/2020 18:38:00	amit0830@gmail.com	Dr. Amit Kumar	Dr.	Faculty	Pt.G.P.S.K.P.G.Mahavidh	Uttar Pradesh	9039709499	Yes
8/30/2020 18:38:27	sharmi.royy2013@gmail.c	SHARMI	Ms.	Student	Calcutta University	WEST BENGAL	8900503939	
8/30/2020 18:38:36	menagamani73@gmail.co	M.MENAGA	Ms.	Student	CAUVERY COLLEGE FO	TAMIL NADU	8526467598	
8/30/2020 18:38:42	rakeshporwal136@gmail.	Rakesh	Mr.	Faculty	Govt Madhav science	ujja MP	7869768668	
8/30/2020 18:38:53	pbarfa@gmail.com	Prakash Barfa	Mr.	Faculty	B.K.S.N. Govt. College S	Madhya Pradesh	9630957657	
8/30/2020 18:39:27	ayushinagar519@gmail.c	Ayushi nagar	Ms.	Student	Govt.madhav science pg	Madhya Pradesh	8770968519	Yes
8/30/2020 18:39:50	supriyatiripathy7569@gmail	Supriya Tiripathy	Ms.	Student	Department of chemistry	Maharashtra	9969930352	Ok
8/30/2020 18:39:59	srsingh31@gmail.com	Rajesh Kumar Singh	Dr.	Faculty	Maharaj Singh College S	Uttar Pradesh	9450007628	
8/30/2020 18:40:07	shekhawatpoonam47@gmail	Poonam Shekhawat	Ms.	Student	Govt. Madhav Science P	Madhya Pradesh	7000742077	
8/30/2020 18:40:30	iamkorak@gmail.com	Korak Kar	Mr.	Student	IIT(ISM), Dhanbad	West Bengal		
8/30/2020 18:40:40	shikha.shivaliya84@gmail	Shikha Shivaliya	Ms.	Faculty	Govt Madhav science Col	Madhya Pradesh	9826909256	
8/30/2020 18:40:51	pradeep13march@gmail.	Pradeep Saini	Mr.	Faculty	Govt Madhav Science Co	Madhya Pradesh	8962408400	
8/30/2020 18:41:22	mahimaupadhyay575@gmail	Mahima Upadhyay	Ms.	Student	Govt Madhav Science Co	MP	7898191995	
8/30/2020 18:41:52	pbhawnamalik1985@yahoo	Bhawna Malik	Ms.	Faculty	Govt. Madhav science co	Madhya pradesh	9981734648	
8/30/2020 18:42:45	meghachouhan836@gmail	Megha chouhan	Ms.	Student	Madhav science college	Ujjain	9302879581	No
8/30/2020 18:45:44	pandemanoj82@gmail.co	Manoj Ambadas Pande	Dr.	Faculty	M.J. College Jalgaon	Maharashtra	9224794926	Oj
8/30/2020 18:46:42	rajamani2384@gmail.com	RAJAMANI K	Dr.	Faculty	Kunthavai Naacchiyaar	G Tamilnadu	9003463322	
8/30/2020 18:46:49	subash.kaushik@gmail.co	Dr. Subhash Chandra Ka	Dr.	Faculty	Government PG College	Madhya Pradesh	9425776767	1
8/30/2020 18:46:53	kapilverma.b@gmail.com	Kapil Verma		Student	Govt. Madhav Science C	MP	9691010047	
8/30/2020 18:47:27	soumipriya1998@gmail.c	SOUMILI GHOSH	Ms.	Student	PRESIDENCY UNIVERSIT	WEST BENGAL	9073181936	Yes I want to know about him.
8/30/2020 18:50:59	abiravi695@gmail.com	R. Abinaya	Ms.	Student	Cauvery college for wom	Tamilnadu	8098039695	
8/30/2020 18:51:09	riyakhandelwal0608@gmail	Riya Khandelwal	Ms.	Student	IIS University	Rajasthan	9571363033	Good
8/30/2020 18:51:52	aashikher7@gmail.com	Reena kher	Ms.	Student	Madhav science Pg Colle	Ujjain (M.P)	7223991201	No
8/30/2020 18:52:44	harshad.sharma88@gmail	Dr. Harshad sharma	Dr.	Faculty	Govt. Madhav science co	MP	9907517679	
8/30/2020 18:52:53	wbgurnule@gmail.com	Dr. Wasudeo Balaji Gurnu	Dr.	Faculty	RTM Nagpur University	N Maharashtra	9096672499	Yes
8/30/2020 18:53:00	dksatnami22@gmail.com	Dr. Dharmendra Kumar S	Dr.	Faculty	Government College Meh	Madhya Pradesh	7828520018	Nil
8/30/2020 18:53:28	shakunujain@gmail.com	Dr.smt. Shakuntala Pand	Prof.	Faculty	Govt Madhav Science Co	Madhya Pradesh	9752871283	
8/30/2020 18:53:41	dass70844@gmail.com	Sourav Das	Mr.	Student	Ramakrishna Mission Res	West Bengal	9674490070	
8/30/2020 18:53:46	yogirohit17@gmail.com	Rohit yogi	Mr.	Student	Govt. Madhav Science P	M.P.	7999455634	
8/30/2020 18:54:15	mainamalviya12@gmail.c	Dr. MAINA MALVIYA	Dr.		S. S.in Chemistry , Uj	M.P.	9893989950	
8/30/2020 18:54:41	twinklewadhwai111@gmail	Twinkle Wadhwa	Ms.	Student	Madhav Science P.G Coll	M.p	8959055308
8/30/2020 18:54:55	go11221191@gmail.com	Gopal Sharma	Mr.	Student	Govt Madhav Science pg	Madhya Pradesh	9009672620	
8/30/2020 18:54:55	prajapatimukesh454@gmail	Mukesh Kumar Prajapati	Mr.	Faculty	Vikram University Ujjain	N Madhya Pradesh	9589403312	
8/30/2020 18:56:36	riyakhandelwal24101@iis	Riya Khandelwal	Ms.	Student	IIS University	Rajasthan	9571363033	Good
8/30/2020 18:57:33	nausicaa.1803107@sec.	Ms. NAUSICAA.J	Ms.	Student	Sri Ramakrishna Enginee	Tamilnadu	9787914624	Ok
8/30/2020 18:58:05	sudeshghoderao@gmail.c	Dr Sudesh Bhaskar Ghod	Dr.	Faculty	RNC Arts, JDB Commer	Maharashtra	9422257654	NA
8/30/2020 18:58:06	riyakhandelwal0608@gmail	Riya Khandelwal	Ms.	Student	IIS University	Rajasthan	9571363033	Good
8/30/2020 18:59:38	pradeep.mvm@gmail.com		Dr.	Faculty	Govt. Madhav Science C	Madhya Pradesh	9407131513	y
8/30/2020 19:00:51	sayangoon09@gmail.com	Sayan Goon	Mr.	Student	National Institute of Techn	West Bengal	8910967971	
8/30/2020 19:01:42	pvenkatesh3310@gmail.c	Venkatesh.P	Mr.	Student				
8/30/2020 19:01:46	niithyashree.1803110@sr	Niithyashree M	Ms.	Student	Sri ramakrishna engineeri	Tamilnadu	8098095476	Ok
8/30/2020 19:02:34	pvenkatesh3310@gmail.c	Venkatesh.P	Mr.	Student				
8/30/2020 19:04:01	ashapradhan525@gmail.c	Asha Pradhan	Dr.	Faculty	Government Science Coll	Madhya Pradeshhesh	8982020934	
8/30/2020 19:04:02	anitasinghtiwari@gmail.co	Dr.Anita Tiwari	Dr.	Faculty	Govt.Model Science colle	M.P	9425184579	No comment
8/30/2020 19:04:03	sarumathitha.1803127@sr	Tha.Sarumathi	Ms.	Student	Sri ramakrishna engineeri	Tamilnadu	8220450876	No
8/30/2020 19:04:24	chakravarthi.171@gmail.c	Chakravarthi S	Mr.	Student	PES university , Bangalor	Karnataka	7760332042	Thank you
8/30/2020 19:09:33	pinky.dwivedi9600@gmail	Pinky Dwivedi	Dr.	Faculty	Govt.Madhav Science PG	Madhya Pradesh	9752928161	Clean air and water is essential for all living beings.
8/30/2020 19:09:45	mayurchandranshu@gmail	Mayur Chandranshu Mish	Mr.	Student	Mahatma Gandhi Chitrak	M. P.	8171980472	
8/30/2020 19:10:31	divyasnair.1702@gmail.co	Divya Nair	Ms.	Student	Shri Shankaracharya Ma	Chhattisgarh	9907960997	Thank you
8/30/2020 19:10:46	Arti1chaurasia@gmail.co	Dr. Arti Chaurasia	Dr.	Faculty	New Delhi	Delhi	8818849100	No
8/30/2020 19:12:36	maahiraj157@gmail.com	Manisha Jadon	Ms.	Student	Govt. Madhav science p	Madhya Pradesh	8085371346	

Signature Not Verified

 ARPAN BHARDWAJ
 E=ARPANBHARDW
 AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/30/2020 19:15:05	rajeshkumarpatel410@gmail.com	Rajesh Kumar Patel	Mr.	Student	APSU Rewa	Madhya Pradesh	9589697849	
8/30/2020 19:15:14	drthube@rediffmail.com	Dr D R Thube	Prof.	Faculty	New Arts, Commerce and	Maharashtra	9423161413	Ok
8/30/2020 19:16:55	only1hina@gmail.com	Hina Harit	Dr.	Faculty	Shri Sitaram jajoo governi	Madhya Pradesh	9713394073	Great personality
8/30/2020 19:17:26	sheetalroy.roy@gmail.com	Miss. Sheetal Roy	Ms.	Student	Govt. Madhav Science P	Madhya Pradesh	9399314722	No
8/30/2020 19:19:10	selvatharani21@gmail.com	Selvatharani.V	Ms.	Student	PSGR KRISHNAMMAL C	Coimbatore	6383118004	Interesting
8/30/2020 19:19:59	satish.piplode@gmail.com	Dr SATISH PIPLODE	Dr.	Faculty	GOVT P G COLLEGE PIF	MADHYA PRADESH	9826835672	Y
8/30/2020 19:21:23	dwivedimk12@gmail.com	M.K.Dwivedi	Dr.	Faculty	Government Holkar scien	MP	9131770504	
8/30/2020 19:22:01	rajeshbhabor407@gmail.com	Rajesh bhabor	Mr.	Student	Madhav science college U	Madhya Pradesh	9630508937	
8/30/2020 19:23:53	priyanka220883@gmail.com	DR. PRIYANKA TIWARI	Dr.	Faculty	Govt.Madhav science PG	Madhya Pradesh	97533336306	
8/30/2020 19:23:55	rajendrakumargurjar1998@gmail.com	Rajendra kumar Gurjar	Mr.	Student	M.sc. chemistry	M.p.	9950295174	yes
8/30/2020 19:25:05	drseematrivedi198@gmail.com	Dr Seema Trivedi	Prof.	Faculty	Govt Madhav Science Co	MADHYA PRADESH	9424014346	
8/30/2020 19:29:21	vivekvpatil66@gmail.com	Vivek V. Patil	Dr.	Faculty	Swami Muktanand Colleg	Maharashtra	8275584949	
8/30/2020 19:32:07	amitraazpatali@gmail.com	AMIT KUMAR	Mr.	Student	LALIT NARAYAN MITHIL	BIHAR	9135084011	Yes
8/30/2020 19:32:16	sathishkumar.1803129@gmail.com	S.S.SATISH KUMAR	Mr.	Student	SRI RAMAKRISHNA ENC	TAMIL NADU	9500712446	
8/30/2020 19:39:18	premadharshini.1803115@gmail.com	M.Prema Dharshini	Ms.	Student	Sri Ramakrishna Enginee	Tamilnadu	7598185084	
8/30/2020 19:45:47	gokulakrishnan.1803162@gmail.com	V.GOKULA KRISHNAN	Mr.	Student	SRI RAMAKRISHNA ENC	TAMILNADU	8870718618	
8/30/2020 19:46:09	vigneshwar.1803149@gmail.com	S.Vigneshwar	Mr.	Student	Sri Ramakrishna Enginee	Tamilnadu	8807147912	
8/30/2020 19:47:05	chandsaheer55555@gmail.com	Dr. Chandrakant Shivaji A	Dr.	Faculty	M. S. G. College Malega	Maharashtra	9921840515	
8/30/2020 19:49:03	divyaprabhashan23@gmail.com	Divya Prabha	Ms.	Student	Sri Ramakrishna enginee	Tamilnadu	9600937651	Ok
8/30/2020 19:50:33	rajasree.1803116@sreea.com	M. Raja sree	Ms.	Student	Sri Ramakrishna enginee	Tamil nadu	9047543222	
8/30/2020 19:55:24	mrvplaymn@gmail.com	Mahesh Nalawade	Mr.	Faculty	VPKM's Arts, Commerce	Maharashtra	9011925582	
8/30/2020 19:57:02	ramanan.1803117@sreea.com	M RAMANAN	Mr.	Student	Sri Ramakrishna Enginee	Tamil nadu	6379194930	
8/30/2020 19:57:48	kratika05upadhyay@gmail.com	Kratika Upadhyay	Ms.	Student	Government Madhav Scie	Madhya Pradesh	8871299707	Link is not opening.
8/30/2020 19:59:58	mamtareshmukh916@gmail.com	Mamta Deshmukh	Ms.	Student	Govt. Madhav Science P	Madhya Pradesh	7415833690	
8/30/2020 20:00:16	chavanatul900@gmail.com	CHAVAN ATUL ASARAM	Mr.	Student	Department of chemistry	Maharashtra	7588341961	
8/30/2020 20:01:27	brningwal.bn@gmail.com	Basant kumar Ningwal	Mr.	Faculty	Govt. P. G. College Pipari	MADHYA PRADESH	9893896299	Okk
8/30/2020 20:04:53	shobha.shouche@gmail.com	Shobha Shouche	Dr.	Faculty	Govt. Madhav Science C	Madhya Pradesh	9826265899	Yes definitely
8/30/2020 20:05:17	kapita123nagar@gmail.com	Kavita Nagar	Ms.	Faculty	Government college jaitp	Madhya pradesh	7440818077	
8/30/2020 20:10:04	coolmsshreya@gmail.com	Shreya Mukherjee	Ms.	Student	Bethune College	West Bengal	9330706456	Ok, thank you
8/30/2020 20:21:57	dr.kantikirandavid@gmail.com	DR KANTI KIRAN DAVID	Dr.	Faculty	SN GOVT PG COLLEGE	MADHYA PRADESH	9827786199	Yes
8/30/2020 20:28:14	priyadharshini11223@gmail.com	P. Priyadharshini	Ms.	Student	Sri GVG Visalakshi colleg	Tamil Nadu	8056467957	Yes
8/30/2020 20:38:14	sivasankari.1803135@sreea.com	Sivasankari.s.s	Ms.	Student	Sri ramakrishna enginee	Tamilnadu	7373880037	
8/30/2020 20:40:33	sivasankari.1803135@sreea.com	Sivasankari.s.s	Ms.	Student	Sri ramakrishna enginee	Tamilnadu	7373880037	
8/30/2020 20:52:05	mangusingh12121@gmail.com	Mohit	Mr.	Student	Madhav science PG colle	Madhya Pradesh	7509296686	
8/30/2020 21:02:09	geetawarade1989@gmail.com	DR GEETA WARADE	Dr.	Faculty	GOVT DEGREE COLLEGE	MADHYA PRADESH	8269895118	Yes
8/30/2020 21:07:06	surbhishukla241193@gmail.com	Surbhi Shukla	Ms.	Faculty	Govt.Madhav Science P	Madhya Pradesh	8962224770	No
8/30/2020 21:11:06	shw_sha@yahoo.co.in	Dr.Shweta Hingwasiya	Dr.	Faculty	Govt.P.G.College,Narsing	Madhya Pradesh	7898735994	
8/30/2020 21:25:33	trapitjoshi20051981@gmail.com	Dr Trapiti Joshi	Dr.	Faculty	Government Mahaveer C	Madhya Pradesh	9926412855	Eminent scientist
8/30/2020 21:26:47	haripriyathore1997@gmail.com	Haripriya Rathore	Ms.	Student	Government Madhav Scie	Madhya Pradesh	9479818899	
8/30/2020 21:27:41	vishnuadole86@gmail.com	Vishnu Ashok Adole	Mr.	Faculty	Mahatma Gandhi Vidyam	Maharashtra	8007228114	NA
8/30/2020 21:29:03	my947805@gmail.com	Smt. Meera Yadav	Prof.	Faculty	Govt. M.G.M. P.G. Colleg	Madhya Pradesh	8103996910	Yes
8/30/2020 21:31:45	msmohini21@gmail.com	Mohini Sharma	Ms.	Student	Govt Madhav Science P	C Mp	8770579767	
8/30/2020 21:31:54	satyanarayana.bassa@gmail.com	Dr BASSA SATYANNARA	Dr.	Faculty	GOVT MGM PG COLLEGE	MADHYA PRADESH	7382430394	
8/30/2020 21:33:58	eesheeparmar19@gmail.com	Eeshee parmar	Ms.	Student	Madhav science college	Madhya pradesh	8839155593	
8/30/2020 21:34:25	juhibanerjee29@gmail.com	Dr.Juhi Banerjee	Dr.	Faculty	govt Holkar Science Colle	Madhya Pradesh	9977371998	yes
8/30/2020 21:35:20	abhadixit03@gmail.com	Abha Dixit	Prof.	Faculty	Govt girls PG college Ujja	Madhya Pradesh	9826388212	
8/30/2020 21:35:24	satishtpatidar24@gmail.com	Satish Chandra Patidar	Prof.	Faculty	Govt.Madhav Science Co	Madhya Pradesh	9827560178	
8/30/2020 21:35:33	asri1406@gmail.com	DR. AMAR SRIVASTAVA	Dr.	Faculty	DAV COLLEGE, KANPU	UTTAR PRADESH	9415172471	
8/30/2020 21:35:57	juhibanerjee29@gmail.com	Dr.Juhi Banerjee	Dr.	Faculty	govt Holkar Science Colle	Madhya Pradesh	9977371998	yes
8/30/2020 21:37:33	malviyapramod36@gmail.com	Pramod Kumar Malviya	Dr.	Faculty	Govt. MVM ujain	MP	7987090718	No
8/30/2020 21:37:39	yadavdeepak009@gmail.com	Deepak Yadav	Mr.	Student	Pt Jawaharlal Nahru Instit	Madhya Pradesh	9157331111	
8/30/2020 21:40:38	gdsoniphysics@gmail.com	Dr Ghanshyam Das Soni	Prof.	Faculty	MPRP Govt Girl's College	Madhya Pradesh	9424045010	Nice
8/30/2020 21:40:58	geetadeepakadav009@gmail.com	Geeta singh	Ms.	Student	Ancient Indian history cult	Madhya Pradesh	8319351238	Geeta singh
8/30/2020 21:41:58	bkschem2012@gmail.com	Dr.B.K.Solanki	Dr.	Faculty	Vikram University Ujjain	M.P.	9926652955	
8/30/2020 21:47:16	riteshmalvi5@gmail.com	Ritesh Malviya	Mr.	Student	Madhav Science College	Madhya pradesh	8109831038	
8/30/2020 21:52:12	swagatagupta28@gmail.com	Swagata Gupta	Dr.	Faculty	Bherulal Patidar Govt. P	Madhya Pradesh	9826028060	Yes, sure
8/30/2020 21:53:07	komalchelaramani1990@gmail.com	Komal Chelaramani	Ms.	Faculty	Govt. Madhav Science P	M.P.	9826161348	Ok
8/30/2020 21:54:25	makkadm30@gmail.com	Dr Manmeet kaur Makkad	Dr.	Faculty	Govt Madhav Sc.PG colle	MP.	9424878822	
8/30/2020 21:56:18	kaminipanwar576@gmail.com	Dr kamini panwar	Dr.	Faculty	Govt college Maksi Dist S	Madhya pradesh	9977200909	
8/30/2020 21:58:44	khanzoya90063@gmail.com	Zoya khan	Ms.	Student	Madhav science College	Ujjain	9111314890	Yes
8/30/2020 22:00:11	aliafreen724@gmail.com	Sayed Aafreen Ali	Ms.	Student	Govt Madhav science pg	MP	8770869964	

Signature Not Verified

 ARPAN BHARDWAJ
 E=ARPANBHARDW
 AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/30/2020 22:00:13	lakhant16122002@gmail.c	Lakhan Kumar	Mr.	Student	Govt Madhav science Col	Madhy Pradesh	8965029437	Yes
8/30/2020 22:00:37	bsguptachem@gmail.com	Bhagwan Swaroop Gupta	Dr.	Faculty	Govt. Madhav Science P.	MADHYA PRADESH	9977883366	
8/30/2020 22:01:12	gksingh.9829@gmail.com	Dr Girja kumar Singh	Dr.	Faculty	Govt chandrar vijay college	M. P.	9424687364	
8/30/2020 22:01:35	sanjayp25@gmail.com	Dr. Sanjay Parihar	Dr.	Faculty	Bhagat Singh Govt. P. G.	Madhya Pradesh	9376498897	
8/30/2020 22:03:09	mkant22@yahoo.com	Mani Kant	Dr.	Faculty	Govt Madhav Science Co	Madhya Pradesh	9425083085	
8/30/2020 22:09:28	arunjoshi@suryalifescien	Mr. ARUN D JOSHI	Mr.	Faculty	Surya life sciences Ltd	Gujarat	9428511124	Ok
8/30/2020 22:10:29	nayma.sid@gmail.com	Dr Nayma Siddiqui	Dr.	Faculty	BKSN Govt College Shaj	Madhyapradesh	9977548894	ok
8/30/2020 22:13:06	mehp.shrivastava@gmail	Dr Madhup Shrivastava	Dr.	Faculty	Jiwaji University	Madhya Pradesh	9993902275	Yes
8/30/2020 22:18:06	priyanka191189@gmail.c	Priyanka Shrivastava	Ms.	Student	Govt. Holkar Science Coll	Madhya Pradesh	9584769524	Yes
8/30/2020 22:21:04	devangana2805@gmail.c	Devangana Das	Ms.	Student	Banaras Hindu University	Uttar Pradesh	7063488070	Ok
8/30/2020 22:22:22	devangana2805@gmail.c	Devangana Das	Ms.	Student	Banaras Hindu University	Uttar Pradesh	7063488070	Ok
8/30/2020 22:22:31	vibha220391@gmail.com	Vibha Malviya	Ms.	Student	Govt Holkar (Model Auton	Madhya Pradesh	9752882911	.
8/30/2020 22:25:36	jzr.rgw@gmail.com	Juzer Ali Rangwala	Prof.	Faculty	Govt Arts and Commerce	Madhya Pradesh	9981867734	Ok
8/30/2020 22:25:54	asharma04011968@gmai	Dr Archana Sharma	Dr.	Faculty	Government MGMPG coll	Madhya Pradesh	9407535752	Not working
8/30/2020 22:28:14	bhavaypanchal6177@gm	Bhavya panchal	Mr.	Student	Govt.madhav science coll	Madhya pradesh	9111173740	
8/30/2020 22:28:21	agadewal@gmail.com	Amit Gadewal	Mr.	Faculty	Government P.G. College	Madhyapradesh	9713360181	Ok
8/30/2020 22:31:03	patilamp@gmail.com	Arvind Marotrao Patil	Dr.	Faculty	SNJB's KKAH Arts, SMGI	Maharashtra	7588086769	
8/30/2020 22:33:11	arif.sheikh@medicaps.a	Arifa Sheikh	Dr.	Faculty	Medicaps University	Mp	9926062656	
8/30/2020 22:33:41	Deepikavinayaka@yaho	Dr.Deepika Jain	Dr.	Faculty	Govt.O.G.College Neemu	India	9329460705	
8/30/2020 22:34:03	pjain2308@gmail.com	Payal Jain	Ms.	Student	Govt Holkar science colle	Madhya Pradesh	8962682829	Wow
8/30/2020 22:43:11	amitbodh2001@gmail.co	Dr. Amitbodh Upadhyaya	Prof.	Faculty	LNCT&S, Bhopal	MP	9827288211	
8/30/2020 22:44:24	kijaiswal1961@gmail.co	Dr Kanhaiyalal Jaiswal	Dr.	Faculty	Govt Model Science Colle	MP	9424746167	Know
8/30/2020 22:47:01	tanuomsharma@gmail.co	Tanuja sharma	Ms.	Student	Bu bhopal	Madhya Pradesh	9752174462	
8/30/2020 23:00:52	rjnd2037@gmail.com	Rajendra Kumar Sharma	Dr.	Faculty	Medi-Caps University, Ind	Madhya Pradesh	9340543443	
8/30/2020 23:21:23	tiwari.tiit@gmail.com	Dr.Nitin Tiwari	Dr.	Faculty	Govt.madhav science pg	Madhyapradesh	9827205839	
8/30/2020 23:23:28	amitschem@gmail.com	Dr. Amit Shrivastava	Dr.	Faculty	Govt. College Gairatganj	Madhya Pradesh	9691431437	
8/30/2020 23:27:44	jayaparihar42@gmail.co	Dr. Jaya Parihar	Dr.	Faculty	Lokmanya Tilak Science	Madhya Pradesh	7879951532	No
8/30/2020 23:35:17	vaqar8484@gmail.com	Dr.Ansari Farzana Wahid	Dr.	Faculty	J.A.T.sr college for wome	Maharashtra	8983831192	
8/31/2020 0:39:24	kmalajpure@gmail.com	KRISHANKANT MALAJP	Mr.	Faculty	GOVT DEGREE COLLEC	MADHYA PRADESH	9826504009	YES
8/31/2020 1:05:07	silsubhra009@gmail.com	SUBHRA SIL	Ms.	Student	PRESIDENCY UNIVERSI	WEST BENGAL	9073331472	
8/31/2020 1:16:48	souravsil11022018@gma	SOURAV SIL	Mr.	Student	VIDYASAGAR UNIVERSI	WEST BENGAL	9073331473	
8/31/2020 1:19:51	bwajid40@gmail.com	Wajid Manzoor	Dr.	Student	Government Model Degre	Jammu And Kashmir	9858902949	
8/31/2020 1:27:20	kmalajpure@gmail.com	KRISHANKANT MALAJP	Mr.	Faculty	GOVT. DEGREE COLLE	(MADHYA PRADESH	9826504009	OK
8/31/2020 2:01:24	saminaqureshi64@gmail.	Samina Qureshi	Dr.	Faculty	Govt. Girls' P.G. College,	Madhya Pradesh	9827263526	
8/31/2020 2:07:06	saminaqureshi64@gmail.	Samina Qureshi	Dr.	Faculty	Govt. Girls' P.G. College,	Madhya Pradesh	9827263526	
8/31/2020 5:07:34	jayendrakumar mishra195	DR.J K MISHRA	Prof.	Faculty	GOVT GIRLS LEAD COL	M. P.	9425619286	Yes
8/31/2020 6:25:31	shrishriram77@gmail.co	SHRIRAM THAKUR	Prof.	Faculty	Rdvv jabalpur	M.P	9893688039	
8/31/2020 7:04:35	pallavijatav1@gmail.com	Dr. Pallavi Jatav	Dr.	Faculty	Government College Lalb	Madhya Pradesh	8982680745	Yes
8/31/2020 7:38:37	jayant0410@rediffmail.c	Jayant kumar mishra	Mr.	Faculty	GOVT MADHAV science	Madhya pradesh	8878433678	
8/31/2020 7:43:16	skp kapadiya1996@gmail	Sunil kapadiya	Mr.	Student	Govt. Madhav science col	MP	9074384862	
8/31/2020 7:51:51	ziyasiddiqui0306@gmail.c	Dr. SHAZIA SIDDIQUI	Dr.	Faculty	Govt . college pandhana ,	Madhya Pradesh	9009910346	Very informative session
8/31/2020 7:51:53	kadarisrinu@gmail.com	Kadari Srinivasa Rao	Mr.	Faculty	BJR GDC Narayanaguda	Telangana	9441553381	Good
8/31/2020 7:53:02	ziyasiddiqui0306@gmail.c	Dr. SHAZIA SIDDIQUI	Dr.	Faculty	Govt college pandhana k	Madhya Pradesh	9009910346	V informative session
8/31/2020 7:53:20	p.vidhyadhar9@gmail.co	Sarita Das	Ms.	Student	Ranchi university	Jharkhand	8292556519	
8/31/2020 7:54:28	ajaypalsinghhohil449@g	gn Ajaypal singh	Mr.	Student	Madhav science pg colleg	Madhy pradesh	8109972410	
8/31/2020 7:55:51	pallabidas878@gmail.co	Pallabi das	Ms.	Student	Krishnagar women's colle	West bengal	7364961023	I want more valuable sessions from you
8/31/2020 8:02:33	manikya64@gmail.com	DR. K. MANIKYA KUMAR	Prof.	Faculty	St. Joseph's College for V	Andhra Pradesh	9493459214	Yes
8/31/2020 8:03:28	aiswaryakjayan98@gmail	AIISWARYA K JAYAN	Ms.	Student	Christ College Irinjalakud	Kerala	9446761190	
8/31/2020 8:03:41	venkateshsonnari@gmail	S.venkatesh	Mr.	Student	Kakathiya University	Telangana	8897191420	Yes
8/31/2020 8:08:08	nk031914@gmail.com	NITISH KUMAR	Mr.	Student	RB COLLEGE DALSINGH	BIHAR	9155113721	Oo
8/31/2020 8:08:21	abhaystm19111999@gm	ABHAY YADAV	Mr.	Student	S.R.K.GOENKA COLLEGE	BIHAR	8434343000	
8/31/2020 8:09:52	pd078098@gmail.com	Miss Priya Das	Ms.	Student	Gauhati University	Assam	8011697324	
8/31/2020 8:11:59	ektasinghicar@gmail.co	EKTA SINGH	Ms.	Student	SHUATS, NAI, NAINI, PR	UTTAR PRADESH	7518920424	Ok
8/31/2020 8:12:46	anniejesus163@gmail.co	annie Jennifer. A	Ms.	Student	Meenakshi University	Tamil Nadu	7094734690	
8/31/2020 8:14:01	191ph005@kongunadu	Lydia Joe Danisca.M	Ms.	Student	Kongunadu Arts and Science	College		
8/31/2020 8:14:15	dilipkumar2013.13@gmai	DILIP KUMAR	Mr.	Faculty	MANRAKHAN MAHTO B.	JHARKHAND	8877776322	No
8/31/2020 8:18:49	p.vidhyadhar9@gmail.co	Dr. Vidhyadhar Gopinath	Pati	Mr.	NES ULWE, NAVI MUMB	Maharashtra	9969348934	
8/31/2020 8:20:48	ajazraja77@gmail.com	AJAZ AHMAD RATHER	Mr.	Faculty	GOVT DEGREE COLLEC	JAMMU AND KASHMIR	9906512321	
8/31/2020 8:21:55	rb07857@gmail.com	Dr.P. RAMESH BABU	Dr.	Faculty	S.K.P. GOVERNMENT DI	ANDHRA PRADESH	9848649017	Yes
8/31/2020 8:24:22	iranannasarakar75@gmail.c	Mr Iranna Sarakar Gokak	Mr.	Faculty	Jss UG College and PG	U Karnataka	9663425588	Yes
8/31/2020 8:24:41	yoganarasimhatk@gmail.	T. K Yoganarasimha	Mr.	Student	Siddaganga Institute of	Te Karnataka	9844426236	

Signature Not Verified


 ARPAN BHARDWAJ
 E=ARPANBHARDW
 AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/31/2020 8:25:11	krushnkanb15@gmail.co	Krishnakant Nagnath Kan	Mr.	Faculty	Shri Havagiswami College Maharashtra		8698322018	In
8/31/2020 8:31:34	vidyanathjha@gmail.com	DR VIDYANATH JHA	Prof.	Faculty	L N MITHILA UNIVERSIT BIHAR		9931463352	YES
8/31/2020 8:31:44	kushimahi2@gmail.com	Dr. Kulwinder Pal Singh N	Dr.	Faculty	Sant Baba Bhag Singh Ur Punjab		8054945467	
8/31/2020 8:32:38	kadarisrinu@gmail.com	Kadari Srinivasa Rao	Mr.	Faculty	Osmania	Telangana	9441553381	Good
8/31/2020 8:35:44	drvdanashinde8@gmail	DR VANDANA RAJESH S	Dr.	Faculty	ARTS, COMMERCE AND MAHARASHTRA		862304728	KK
8/31/2020 8:37:31	afiya.thakur912@gmail.co	Miss Afiya S Thakur	Ms.	Student	S.H.Kelkar College, Devg	Maharashtra	7507285503	
8/31/2020 8:37:37	rkumari17111998@gmail.	Rajni kumari	Ms.	Student	Rajeev Gandhi Memorial	Jharkhand	7479633846	
8/31/2020 8:39:04	priyankapatil978@gmail	Priyanka Patil	Ms.	Faculty	Government First Grade	Karnataka	9980472124	.
8/31/2020 8:40:13	ajmira002121@gmail.com	Ajmira Khatun	Ms.	Student	Purnidevi Chowdhury Girl	West Bengal	8759249564	
8/31/2020 8:41:15	ujjwalmajhi92@gmail.com	UJJWAL KUMAR MAJHI	Mr.	Faculty	PURNADISHA JOYCHAN	WB	8101844884	Yes
8/31/2020 8:42:18	bpsingh0783@gmail.com	Dr. Bhupendra P. Singh	Prof.	Faculty	University of Delhi	New Delhi	7303691159	
8/31/2020 8:43:06	priyankapatil978@gmail	Priyanka Patil	Ms.	Faculty	Government First Grade	Karnataka	9980472124	.
8/31/2020 8:43:25	poojados1010@gmail.com	KUMARI POOJA	Ms.	Student	Rajeev Gandhi Memorial	Jharkhand	6203439462	Yes
8/31/2020 8:46:09	ng223494@gmail.com	Ujjwal Shree	Ms.	Student	Indira Gandhi national op	Bihar	7050958866	Ok
8/31/2020 8:47:32	pushpendratwarisidhi@g	Pushpendra Tiwari	Mr.	Faculty	Govt.Girls PG College Sic	MP	8085865051	No
8/31/2020 8:48:24	balkrishnayadav02338@	Bal Krishna Yadav	Mr.	Student		M.p	9171560074	
8/31/2020 8:49:27	pk84165@gmail.com	Pallavi Kumari	Ms.	Student	Mai bhago ayurvedic med	Punjab	9872914929	Okk
8/31/2020 8:51:54	nknet2010@gmail.com	Narendra Kumar Hanote	Dr.	Faculty	GOVT PG COLLEGE MU	MADHYA PRADESH	9669123122	9669123122
8/31/2020 8:59:48	ranjit1250@gmail.com	RANJIT KUMAR PUSE	Mr.	Faculty	RABINDRANATH Tagore	Madhya Pradesh	9977407416	Yes
8/31/2020 9:04:59	rp7512644@gmail.com	Rahul Parmar	Mr.	Student	Govt. madhav science PC	Madhya Pradesh	8719862263	
8/31/2020 9:06:37	sriyastav.rohit24@gmail.c	Mr. ROHIT SRIVASTAVA	Mr.	Faculty	ST. ANDREWS COLLEGE	UTTAR PRADESH	9918546647	Definitely
8/31/2020 9:06:37	ranjit1250@gmail.com	RANJIT KUMAR PUSE	Mr.	Faculty	RABINDRANATH Tagore	Madhya Pradesh	9977407416	Ok
8/31/2020 9:10:05	srinivasaomya10@gmail.c	MYLA SRINIVASARAO	Mr.	Faculty	A S N DEGREE COLLEGE	ANDHRA PRADESH	9490478887	-
8/31/2020 9:13:21	sagaikwad2009@gmail.co	SARJERAO ABA GAIKW	Mr.	Faculty	SHIVAJI UNIVERSITY KC	Maharashtra	9850446540	Yes
8/31/2020 9:15:21	muhammadansari27696@g		Mr.	Student	Darul ulum falahe daren t	Mp	9537550659	Burhanour
8/31/2020 9:17:00	badrishinde1@gmail.com	BADRINATH RAMLAL SI	Mr.	Faculty	Ankushrao Tope College	MAHARASHTRA	9421647802	Ok
8/31/2020 9:23:39	nageshwarprajapati1000	NAGESHWAR PRAJAPA	Mr.	Student	B.M.M.K.U. Dhanbad	Jharkhand	8540812664	Ok.
8/31/2020 9:24:55	17singhkaya@gmail.com	Kaya devi	Mr.	Student	Atarra p. g. College Atarr	U. P.	7054780280	Yes
8/31/2020 9:26:39	gavadekundlik100@gmail	GAVADE KUNDLIK RAM	Prof.	Faculty	N. D Patil Night College S	Maharashtra	9421127583	Yes
8/31/2020 9:26:58	shamyannarayan@gmail.c	Shamya narain	Ms.	Faculty	Mathura Rai Mahila Maha	Uttar pradesh	9956118089	Yes
8/31/2020 9:34:06	dryusufmilsci@gmail.com	MOHAMMAD YUSUF	Mr.	Faculty	AKBAR ACADEMY OF AI	Mp	8818889886	
8/31/2020 9:34:50	chandugite@gmail.com	Chandrashekhar M Gite	Mr.				9765405080	
8/31/2020 9:36:55	melakkiya63@gmail.com	M.Elakkiya	Ms.	Student	Dr.MGR fisheries college	Tamilnadu	9361799101	
8/31/2020 9:37:35	balabuvaneshwari@gmail	B. BUVANESHWARI	Ms.	Student	Dr. M. G. R FC & RI,	Poni TN	9150623227	Nope
8/31/2020 9:40:38	kalpitalpekar19@gmail.c	Kalpita Talpekar	Ms.	Faculty	St. Xavier's College Mapu	Goa	9130636619	
8/31/2020 9:42:27	sufyaanstar002@gmail.co	SUFYAN J	Mr.	Student	THE NEW COLLEGE	TAMIL NADU	6379231800	Ok
8/31/2020 9:44:00	vishawas.surya@gmail.co	Dr. Vishwanath Madhavra	Dr.	Faculty	Shri shivaji college parbh	Maharashtra	9850749405	Yes
8/31/2020 9:52:52	masarratkhan06@gmail.c	Masarrat Saeed	Ms.	Faculty	Saifia college of science	M.P	7389733882	
8/31/2020 9:57:25	begumrizwana86@gmail.	Rizwana begum	Ms.	Student	Shailabala women's autor	Odisha	7809136165	Ok
8/31/2020 9:58:13	begumrizwana86@gmail.	Rizwana begum	Ms.	Student	Shailabala women's auton	omous college		Ok
8/31/2020 9:58:29	karthipranav18@gmail.co	Pranav	Mr.	Faculty	Svs College of engineerin	Tamil Nadu	8888888888	Ok
8/31/2020 9:59:17	Vikramgavade.dtis@gmai	GAVADE VIKRAM KUNDI	Mr.	Student	Shantiniketan Study Cent	Maharashtra	9309111870	Yes
8/31/2020 10:02:03	ankitapandeysp90@gmai	ANKITA PANDEY	Dr.	Faculty	MPS AJGARA, LAXMANI	UTTAR PRADESH	8004139000	YES
8/31/2020 10:03:10	vijaysavkare@gmail.com	Vijay Baburao Savakare	Prof.	Faculty	Malini Kishor Sanghvi Col	Maharashtra	9324549094	Nil
8/31/2020 10:12:38	muhammadansari27696@g	Muhammad ansari	Mr.	Student	Darul ulum falahe daren	Mp	9537550659	Burhanpur
8/31/2020 10:13:01	sandeepmawlikar@gmail.	Sandeep prakash Mawlik	Mr.	Student	Shree Shivaji Arts, Comm	Maharashtra	8552823033	Yes
8/31/2020 10:13:45	sandeepmawlikar@gmail.	Sandeep prakash Mawlik	Mr.	Student	Shree Shivaji Arts, Comm	Maharashtra	8552823033	Yes
8/31/2020 10:20:29	dmndloi@ietdavn.edu.in	Dheeraj Mandloi	Dr.	Faculty	IET Devi Ahilya University	MP	9407894470	Thanks
8/31/2020 10:20:48	mannamkm@gmail.com	Mannam Krishna Murthy	Prof.	Faculty	Shree Velagapudi Ramak	Andhra Pradesh	9701299222	Good academician
8/31/2020 10:21:58	swati.singh@kanoriacolle	Dr. Swati Singh	Dr.	Faculty	Kanoria P.G Mahila Maha	Rajasthan	9829631662	
8/31/2020 10:26:10	kumud.t@kanoriacollege.	Dr. Kumud Tanwar	Dr.	Faculty	Kanoria P.G Mahila Maha	Rajasthan	7790913717	
8/31/2020 10:31:55	17pge025@ltdc.edu.in	J SANGEETHA	Ms.	Student				
8/31/2020 10:32:13	fatimakaneez2@gmail.co	Er. Kaneez Fatima	Ms.	Faculty	Deccan College of Engine	Telangana	8297239705	
8/31/2020 10:32:46	neelsh_singh240978@ri	Neelesh Singh Baghel	Prof.	Faculty	Dpc college Seoni mp	Madhaya pradesh	9424967101	Yes
8/31/2020 10:38:25	gmdeka@yahoo.com	GITIMONI DEKA	Dr.	Faculty	RANGIA COLLEGE	ASSAM	7896331645	
8/31/2020 10:38:28	julfikar.khan2011@gmail.c	Md Julfikar Hossain Khan	Mr.	Faculty	University of Burdwan	West Bengal	9830404268	
8/31/2020 10:38:46	lataumapatel@gmail.com	Uma Lata Patel	Ms.	Student	Shri Krishna University Ct	U.P.	7985487073	Yes
8/31/2020 10:45:37	dwijendraburman1@gmai	Dwijendra Nath Burman	Dr.	Faculty	Buniadpur Mahavidyalaya	West Bengal	9609933577	
8/31/2020 10:49:07	shewliroy241279@gmail.c	SHEWLI ROY	Ms.		DARGAKUNA BAGAN LF	Assam	9854761237	Yes
8/31/2020 10:49:11	hskakati@gmail.com	Hari Sankar Kakati	Dr.	Faculty	D. K. College, Mirza	Assam	9435141721	To be search
8/31/2020 10:59:59	singhworlds@gmail.com	VINAY SINGH	Mr.	Student	MGKVP VARANASI	Uttar Pradesh	9455333837	Yes

Signature Not Verified

 ARPAN BHARDWAJ
 E=ARPANBHARDW
 AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/31/2020 11:01:42	nikamms2013@gmail.com	Nikam Mohini Sunil	Ms.	Faculty	SSSVPM'S ACS College	Maharashtra	7620797915	
8/31/2020 11:02:53	Coucrdbbj@gmail.com	Chitrarekha Jadhav	Ms.	Faculty	Rzpusarikhurdsala	Mharashtra	9421160695	Yes
8/31/2020 11:12:18	prasannashakthi2k1@gmail.com	C.sri shakthi prasanna	Ms.	Student	DR.MGR FC&RI, ponneri	Tamilnadu	9443689360	
8/31/2020 11:27:56	tusharpillewar@gmail.com	Tushar pillear	Mr.	Student	Government Madhav Scie	Madhya Pradesh	8770697019	
8/31/2020 11:29:00	anshu_arpan@yahoo.com	Anshu Bhardwaj	Dr.	Faculty	Vikram university ujain	Madhya Pradesh	9425195909	Yes
8/31/2020 11:58:17	adorablemanvi@gmail.com	Manvi	Ms.	Student	Sam Higginbottom Univer	Uttar Pradesh		
8/31/2020 11:59:06	praveenprofessional@yahoo	Praveen KV	Mr.	Faculty	St Peter's College Of Eng	Tamil Nadu	9566128772	Good
8/31/2020 12:01:58	sidmathur2772@gmail.com	Siddharth Mathur	Mr.	Student	NMIMS	Madhya Pradesh	9977333447	
8/31/2020 12:02:55	aftabmahapule571@gmail.com	Mr. Aftab Hidayat Mahapu	Mr.	Faculty	Giristhan Arts & Commec	Maharashtra	9420215411	Yes
8/31/2020 12:05:31	jyotshnad309@gmail.com	Jyotshna Das	Ms.	Faculty	Jawaharlal Nehru College	Assam	7399903688	
8/31/2020 12:10:14	rohikarv@gmail.com	Rajkumar Virbhadranya R Mr.	Mr.	Faculty	S. M. P. College, Murum	Maharashtra	9890581314	Yes
8/31/2020 12:11:56	nazishshagufa@gmail.com	Nazish Shagufa	Ms.	Student	Bethune College	West Bengal	7980610168	
8/31/2020 12:12:11	rohikarv@gmail.com	Rajkumar Virbhadranya R Mr.	Mr.	Faculty	S. M. P. College, Murum	Maharashtra	9890581314	Yes
8/31/2020 12:13:01	mjanvi99@gmail.com	Makwana Jyoti Jagjivan L Ms.	Ms.	Student	K.P.B.Hinduja college	Maharashtra	8369978535	Yes
8/31/2020 12:23:22	anjanakher3090@gmail.com	Dr. Anjana kher	Dr.	Faculty	Govt college baldevgad Ji	Madhya Pradesh	9826410773	Ha
8/31/2020 12:24:53	Sristysinghrathore@gmail	Sristy Kumari	Ms.	Student	Magadh University	Bihar	7763075262	Yes
8/31/2020 12:25:20	mandalsohini1998@gmail	SOHINI MANDAL	Ms.	Student	Bethune College, Univers	WEST BENGAL	9474184672	
8/31/2020 12:35:35	iqccindore@gmail.com	PROF.AMIYA PAHARE	Prof.	Faculty	Government Holkar(mod	Madhya Pradesh	9425075205	The above link is not opening.
8/31/2020 12:36:18	iqccindore@gmail.com	PROF.AMIYA PAHARE	Prof.	Faculty	Government Holkar(mod	Madhya Pradesh	9425075205	The above link is not opening.
8/31/2020 12:36:55	rehash.ranjan@gmail.com	Rehash Ranjan	Mr.	Student	PG department of Patlipu	Bihar	7283034933	
8/31/2020 12:39:48	adeebazmishaikh@gmail	Adeeb Israr Shaikh	Mr.	Student	Mumbai university	Maharashtra	8858410505	No
8/31/2020 12:39:54	divija.sachdeva08@gmail	Divija Sachdeva	Ms.		Imperial college of London	UK	9872800590	
8/31/2020 12:46:55	evneet16@gmail.com	Evneet Kaur Bhatia	Ms.	Faculty	AKS UNIVERSITY	Madhya Pradesh	8602504183	Ok
8/31/2020 12:55:33	khan815961@gmail.com	Khan kulsum	Ms.	Student	Mumbai university	Maharashtra	7518490445	No
8/31/2020 12:56:00	sureshvedpathak@gmail	Dr. Suresh G Vedpathak	Dr.	Faculty	S. M. Dnyandeo Mohekar	Maharashtra	9960235222	No
8/31/2020 12:56:11	ratankamble1991@gmail	Ratan Deepak Kamble	Mr.	Student	Deccan College,Pune	Maharashtra	9637689637	
8/31/2020 13:01:46	aryabhagirth84@gmail.c	Bhagirth Arya	Mr.	Faculty	Ranchi University Ranchi	Jharkhand	9334430750	No
8/31/2020 13:03:04	esharaffieb@skasc.ac.in	Esha Raffie B	Dr.	Faculty	Sri Krishna Arts and Scier	Tamil Nadu	9442514055	ok
8/31/2020 13:04:56	lohitamahajan11972@gm	Lohita Mahajan	Ms.	Student	Guru nanak dev university	N/A	8360222323	Thankyou.
8/31/2020 13:08:09	kiranbabajirao@gmail.com	MR KIRAN BABAJIRAO	Mr.	Faculty	Government polytechnic 1	Maharashtra	8850025610	Excellent
8/31/2020 13:24:57	vikaschaudhry619@gmail	Vikas Saket	Mr.	Student	Apsu rewa (mp)	Madhya pradesh	7987782254	Yes
8/31/2020 13:31:45	aherdnyaneshwar43@gmail	Dnyaneshwar Somnath A Mr.	Mr.	Student	Sangamner college, Sang	Maharashtra	7030708043	Yes
8/31/2020 13:32:13	sohailpathan7869272@g	SOHEL PATHAN	Mr.	Student		Madhya Pradesh	8085363006	
8/31/2020 13:34:54	mdshamshad.alam17137	Md Shamshad Alam	Mr.	Student	Gujarat technological Uni	Gujarat	9801997108	Ok
8/31/2020 13:35:25	saritakushwaha66@gmail	Sarita Kushwaha	Ms.	Student	Awadhesh pratap singh U	Madhya Pradesh	9098284512	
8/31/2020 13:38:45	rajnarayan1974@gmail.c	Dr. Raj Narayan Sharma	Dr.	Faculty	Govt. KRG PG College, G	Madhya Pradesh	9926221882	—
8/31/2020 13:39:36	latanshajarwal2019@gm	Latansha jarwal	Mr.	Student	Madhav science	Ujjain	9131471634	
8/31/2020 13:44:56	sofiakhanam786@gmail.c	Sofia Khanam	Ms.	Student	Calcutta Institute of Pharm	West Bengal	6291603695	Ok
8/31/2020 13:50:55	selvamchemist@gmail.co	SELVAM A	Mr.	Student	Loyola College	Tamil Nadu	9500324518	
8/31/2020 13:51:22	ramsureshbharti@gmail.c	Ram Suresh Bharti	Mr.	Faculty	Govt. SGS PG College Si	M. P.	9650284583	
8/31/2020 13:51:30	ashokkrish200025@gmail	R.ASHOKKUMAR	Mr.	Student	AARUPADAI VEEDU MEI	Tamil Nadu	9715596269	
8/31/2020 13:54:59	saritakushwaha66@gmail	Sarita Kushwaha	Ms.	Student	Awadhesh pratap singh U	Rewa	9098284512	
8/31/2020 13:58:17	baissivhsagar90@gmail.c	Shiv Sagar Bais	Mr.	Student	Madhav science College I	Madhya Pradesh	7987560357	No
8/31/2020 14:05:23	asshukla76@gmail.com	Anand Shukla	Mr.	Faculty	Govt Upper primary Scho	Rajasthan	8058574038	Yes
8/31/2020 14:07:01	vibha1966@rediffmail.co	Vibhavari Narendra Kulka	Ms.	Faculty	VPPCOE and VA SION M	Maharashtra	9920323165	Eager yo know
8/31/2020 14:19:45	nayomijohn10@gmail.com	Nayomi John	Dr.	Faculty	Mar Athanasius College (/	Kerala	9656256804	Ok
8/31/2020 14:21:59	gyanbaghel1111@gmail.c	Prof Dr Gyan Singh Bagh	Dr.	Faculty	Govt College Jeeran/vikr	M P458441	6260503733	Its ok plz
8/31/2020 14:31:12	abdullah2232222@gmail	ABDULLAH AHMAD	Mr.	Student	VEER BAHADUR SINGH UTTAR	PRADESH	8172996210	It should be fine.
8/31/2020 14:31:22	mishra.ita@gmail.com	Vandana Mishra	Prof.	Faculty	M.P.R.P.Govt. Girls Colleg	M.P.	9425048033	Yes
8/31/2020 14:56:21	samarpitapandya@gmail	Samarpita Pandya	Ms.	Student	Pragati college, Raipur	Chattisgarh	9039263734	Thank you
8/31/2020 15:02:58	dawar6204@gmail.com	Dr.seema sastiya	Dr.	Faculty	GOvt naveen College, am	Madhay pradesh	8226073310	Yes
8/31/2020 15:09:34	sharmalokesh696@gmail	Dr Lokesh sharma	Dr.	Faculty	Uni of rajasthan	Rajasthan	9414311515	Nice
8/31/2020 15:12:42	drsujitkumar321@gmail.c	DR. SUJIT KUMAR	Dr.	Faculty	ALLAMA IQBAL COLLEG	BIHAR	7004774289	Yes
8/31/2020 15:24:12	apurbagouri@gmail.com	Apurba Gouri	Mr.	Student	National institute of techn	West Bengal	9875477512	
8/31/2020 15:39:11	akanadure@gmail.com	Anilkumar Anadure	Prof.	Faculty	B V Bhoomaraddi College	Karnataka	9448678002	Sir is very good Resource person
8/31/2020 15:41:09	sonawane_vy@rediffmail	Dr. Vilas Yashwantrao Soi	Dr.	Faculty	B. Raghunath Arts,Comm	Maharashtra	9422695168	
8/31/2020 15:57:47	lbnalanbar664@gmail.com	Mr.Sc Taha Yaseen Salih /	Mr.	Faculty	University of Anbar	Iraq	0	
8/31/2020 15:59:49	wasiullahsafi2019@gmail	wasiullah safi	Mr.	Student	quest group of institutions	Punjab	8929376790	yes
8/31/2020 16:02:13	lakhwinderchatha790@gr	Lakhwinder Singh	Mr.	Student	Punjabi university Patiala	Punjab	7681971916	No
8/31/2020 16:08:38	evneet16@gmail.com	Evneet Kaur Bhatia	Ms.	Faculty	AKS UNIVERSITY	Madhya Pradesh	8602504183	No
8/31/2020 16:11:00	hitesh6867@gmail.com	Hitesh Patel	Mr.	Student	APS University	Madyapardesh	8109325435	Yes

Signature Not Verified

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E=ARPANBHARDW
AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/31/2020 16:18:34	hinore2014@gmail.com	Jitendra Singh Hinore	Prof.	Faculty	Govt.Madhav Science Co M.P		7987070609	
8/31/2020 16:22:23	iqraqureshi001@gmail.co	Ikra qureshi	Ms.	Student	Government madhav scie Madhya pradesh		6264633588	
8/31/2020 16:29:50	gribimal1996@gmail.com	BIMAL GIRI	Mr.	Student	Netaji Subhas open Unive West Bengal		8350064833	
8/31/2020 16:34:33	shyamkumawat9694@gm	Shyamsunder	Mr.	Student	C.C.S.S.S., Ranoli	Rajasthan	9694554203	
8/31/2020 16:35:58	priyankakucheriya52@gm	Priyanka kucheriya	Ms.	Student		Mp	8817282546	
8/31/2020 16:38:51	nishapujari6616@gmail.c	Nisha Pujari	Ms.	Student	Rajiv gandhi institute of te	Maharashtra	9764660558	
8/31/2020 16:48:46	aatifraza942@gmail.com	Aatif Raza	Mr.	Student	Subharti University Meeru	Uttar pradesh	8750139163	Excellent
8/31/2020 16:49:25	jjituyadag79@gmail.com	Jitendra Yadav	Prof.	Faculty	Swami Vivekanand Govt.I	MP	9977757319	Yes
8/31/2020 16:49:32	sabiraparveen7668@gm	Sabira Parveen	Ms.	Student	Jain kanya Pathshala PG	Muzaffarnagar	8445851581	No Sir every thing is fine
8/31/2020 17:01:06	sofiyakhan1205@Gmail.c	Sofiya mev	Ms.	Student	Government madhav scie	Madhyapradesh	8982864377	
8/31/2020 17:05:26	gulfishawaseem333@gm	Gulfisha vaseem	Ms.	Student	Sant ram krishna kanya n	Up	6395135455	Good
8/31/2020 17:07:23	nayanshi2018@gmail.co	Nayanshi tripathi	Ms.	Student	SGS PG COLLEGE	M.P	7471156905	
8/31/2020 17:09:33	srikamalesh2512@gmail.	SRINIVASAN K	Mr.	Student	St.Peters university	Tamilnadu	8608956725	
8/31/2020 17:13:14	7440250586b@gmail.co	Vishwanath meghwal	Mr.	Student	Govt.madhav science coll	Madhya pradesh	7440250486	Nice
8/31/2020 17:15:56	mrnamkumar299@gmail.c	Ramkumar.M	Mr.	Student	Dr.MGR University	Tamilnadu	8489112759	
8/31/2020 17:16:54	shivamkumara099@gmai	Shivam rathore	Mr.	Student		Mp	9907275659	Yes
8/31/2020 17:17:34	wushukolhapur@gmail.co	Sandeep Krushna Patil	Mr.	Student	Shivaji University	Maharashtra	9975912192	
8/31/2020 17:19:16	sumansharma23531@gm	Suman Sharma	Dr.	Faculty	Govt.College, Kota (Raj.)	Rajasthan	9462700695	
8/31/2020 17:19:18	shradhamahendra@ymail	Shradha Mahendra	Ms.	Student	Osmania university	Telangana	9573170871	Yes
8/31/2020 17:19:29	parijatchakraborty888@g	Parijat Chakraborty	Mr.	Student	Maulana Azad College, U	West Bengal	6290654187	
8/31/2020 17:27:19	anaskhan0715mak@gma	ANAS KHAN	Mr.	Student	GOVT. MADHAV SCIENC	MADHYA PRADESH	9926080454	
8/31/2020 17:30:51	santanugiri100@gmail.co	Santanu Giri	Mr.	Student	Midnapore City College, I	West Bengal	9091203401	
8/31/2020 17:31:22	giritonmoy902@gmail.co	TONMOY KUMAR GIRI	Mr.	Faculty	Mugberia Gangadhar Mal	West Bengal	9735327112	no
8/31/2020 17:42:30	shanagowri@gmail.com	Dr. M. D. GOWRI	Dr.	Faculty	Queen Mary's College, C	Tamil Nadu	9042179955	Yes
8/31/2020 17:42:53	kehkashan20297@gmail.	Kehkashan Ali		Student	Government madhav scie	Madhya pradesh	8234037216	
8/31/2020 17:48:52	chouhansaloni442@gmai	SALONI CHOUHAN	Ms.	Student	Govt. Madhav science col	Madhypradesh	9294577894	
8/31/2020 17:50:02	vinaynamdev498@gmail.	Mr. Vinay Kumar Namdev	Mr.	Student	TATA COLLEGE JAMODI	Madhya Pradesh	7415740958	
8/31/2020 18:08:33	samanta.palas2010@gm	Dr Palas Samanta	Dr.	Faculty	Sukanta Mahavidyalaya	West Bengal	8327220799	Okay
8/31/2020 18:11:36	gaurimishra9997@gmail.	Gauri Mishra	Ms.	Student	Govt. Madhav science col	Madhya pradesh	9424985134	
8/31/2020 18:15:51	drchanchalkumari@gmail	Dr Chanchal Kumari	Dr.	Student	PG Department of Psych	Jharkhand	7979725293	No
8/31/2020 18:24:39	karthipranav18@gmail.co	Pranav	Mr.	Faculty	SVS College of engineeri	Tamil Nadu	9888888888	Yes
8/31/2020 18:31:44	sunilsharma7036@gmail.	Sunil	Mr.	Student	Madhav science college	Madhya pradesh	8959490860	
8/31/2020 18:34:29	zmuthaher@yahoo.co.in	Zakhi Muthaher	Mr.	Faculty	University of Madras	Tamil Nadu	9655034483	
8/31/2020 18:46:01	dilipkumar2013.13@gmai	DILIP KUMAR	Mr.	Faculty	MANRAKHAN MAHTO B.	JHARKHAND	8877776322	No
8/31/2020 18:49:32	drdhanasi51@gmail.com	S.Dhanan Jaya	Mr.	Faculty	Sree Rama Engineering C	Andhra Pradesh	9553551700	
8/31/2020 18:52:17	yogendrasharma9111@g	Yogendra sharma	Mr.	Student	Madhav science college L	Madhya Pradesh	8269168381	Yes
8/31/2020 18:53:11	abhaystm19111999@gm	ABHAY YADAV	Mr.	Student	S.R.K.GOENKA COLLEG	BIHAR	8434343000	Good
8/31/2020 18:55:17	nsncollage@gmail.com	DR NARINDER SINGH	Dr.	Faculty	DELHI UNIVERSITY	DELHI	9432176587	.
8/31/2020 18:59:05	sony1999shaw@gmail.co	SIMRAN GUPTA	Ms.	Student	Presidency University	West Bengal	8777082297	
8/31/2020 19:01:50	humayunkobir074@yaho	HUMAYUN KOBIR	Mr.	Faculty	SAGARDIGHI GOVERN	WEST BENGAL	7872590935	No
8/31/2020 19:03:27	akshayvyas577@gmail.c	Akshay vyas	Mr.	Student	Govt. Madhav science pg	Mp	8878005629	
8/31/2020 19:12:40	latajyswal78@gmail.com	Lata Jaiswal	Ms.	Faculty	Govt. Rmd girl's pg colleg	Chhattisgarh	8518017861	No
8/31/2020 19:20:29	mufastar08@gmail.com	MUSTHAFA M	Mr.	Student	National Institute of Techn	Tamil Nadu	9600592177	
8/31/2020 19:35:00	devidgautan59@gmail.co	Devid Gautam	Mr.	Student	Dr. Rajendra Prasad Deg	Uttar Pardesh	9520763263	Yes
8/31/2020 19:51:08	sufyaanstar002@gmail.co	Mr.SUFYAAN J	Mr.	Student	THE NEW COLLEGE	TAMIL NADU	6379231800	Yes
8/31/2020 19:55:45	kadarisrinu@gmail.com	Kadari Srinivasa Rao	Mr.	Faculty	Osmania	Telangana	9441553381	Yes
8/31/2020 20:06:22	manojisahoo1947@gmail.	Manoj Kumar saho	Mr.	Faculty	Sbd International school	Odisha	9777633010	No
8/31/2020 20:09:51	rosesiqueira0498@gmail.	Roxiette Heromina Siquei	Ms.	Student	Goa University	Goa	7741817960	
8/31/2020 20:14:20	sbkushwaha111@gmail.c	Shivbiharee Kushwaha	Mr.	Faculty	Govt. Thakur Ranmat Sin	M. P.	9425376131	Yes
8/31/2020 20:17:22	sbkushwaha111@gmail.c	Shivbiharee Kushwaha	Mr.	Faculty	Govt. Thakur Ranmat Sin	M. P.	9425376131	Yes
8/31/2020 20:20:24	nidarshanagohain@gmail	Nidarshana Gohain	Ms.	Student	Salt Brook Academy	Assam	7086157825	
8/31/2020 20:23:21	ajyporwal1288@gmail.co	AJAY	Mr.	Student	Madhav science College I	Madhya Pradesh	9165327599	Microbiology students
8/31/2020 20:31:06	ashu.mpharm2007@gma	Dr. Sinha Ashutosh Kuma	Dr.	Faculty	Bharat Pharmaceutical Te	Tripura	9640060617	No
8/31/2020 20:33:56	vk7777khippal@gmail.co	Vinod Kumar	Mr.	Student	Haryana college of educa	Haryana	8684854081	Yes
8/31/2020 20:38:53	gbssdipakgiri@gmail.com	DEEPAK GIRI	Mr.	Faculty	GBSS BURARI GNCT DE	Delhi	8588891064	Eminent research
8/31/2020 20:44:45	begumrizwana86@gmail.	Rizwana begum	Ms.	Student	Shailabala women's a	Odisha	7809136165	Yes
8/31/2020 20:45:09	amreen710khan@gmail.c	Amreen Khan	Ms.	Student	Government Madhav Scie	Madhya Pradesh	9993347133	
8/31/2020 20:59:13	natalijaap@gmail.com	Natalija Atanasova Pance	Dr.	Faculty	Faculty of Natural Scienc	North Macedonia	0038970350210	
8/31/2020 21:00:14	varsharani.rain@gmail.co	Varsha Rani	Prof.	Faculty	Kames urdu College of ed	Uttar Pradesh	9759821253	
8/31/2020 21:00:22	sk.uzmanaaz.786@gmail	Uzma Naaz Shaikh Iqbal	Ms.	Student	Koes's Moolji Jaitha Colle	Maharashtra	9423488385	
8/31/2020 21:02:52	umaraybhowmik@gmail.c	Dr Uma Roy Bhowmik	Dr.	Faculty	Don Bosco College	Meghalaya	8787803077	

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ARPAN BHARDWAJ
E=ARPANBHARDW
AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
8/31/2020 21:11:16	somyamehar22@gmail.co	Somya mehar	Ms.	Student	Govt. Madhav science col	Madhya pradesh	7477022815	
8/31/2020 21:11:44	somyamehar22@gmail.co	Somya mehar	Ms.	Student	Govt. Madhav science col	Madhya pradesh	7477022815	
8/31/2020 21:25:29	gkirang4@gmail.com	Kiran Gottumukkala	Mr.	Student	KLEF	AP	9553418992	
8/31/2020 21:32:39	prem92267@gmail.com	PREMKUMAR GATTU	Mr.	Faculty	KAKATIYA university	Telangana	9666287387	Good speaker
8/31/2020 21:35:57	viraj.kumar128@gmail.co	VIRAJ KUMAR	Mr.	Student	BANARAS HINDU UNIVE	UTTAR PRADESH	8292925522	
8/31/2020 21:42:48	SYEDZAINULABBAS8@gmail	SYED ZAINUL ABBAS	Mr.	Student	AURORA'SPG COLLEGE	Telangana	9700486298	
8/31/2020 21:59:51	droupti.yadav@gmail.com	Dr. Droupti Yadav	Dr.	Faculty	CSJM UNIVERSITY, KAN	Uttar Pradesh	9889857731	
8/31/2020 22:03:38	gssbokhada@gmail.com	Dr. Manjulata Parihar	Dr.	Faculty	SSSS BOKHADA UDAIPI	Rajasthan	9587227272	
8/31/2020 22:35:02	adarshdixit1111@gmail.co	Dr ADARSH DIXIT	Dr.	Faculty	Govt science college Gw	Madhya Pradesh	8964075803	
8/31/2020 22:40:37	sureshpamar5268@gmail	Dr.Suresh Parmar	Dr.	Student	Government Madhav scie	Madhya Pradesh	8517802715	
8/31/2020 22:44:36	raj17.tarun@gmail.com	RAJASHEKHARA.V	Mr.	Student	BANGALORE UNIVERSI	KARNATAKA	9980717271	NO
8/31/2020 22:47:30	drhimmatram@gmail.com	Dr. Himmat Ram	Dr.	Student	MLSU Udaipur	Rajasthan	9828515346	
8/31/2020 22:56:52	pooja.ray710@gmail.com	Pooja Ray	Ms.	Student	Birjhora Mahavidyalaya	Assam	8724976478	Yes
8/31/2020 23:21:00	lbnalanbar664@gmail.com	M.Sc Taha Yaseen Salih / Mr.	Mr.	Faculty	University of Anbar	Iraq	0	
9/1/2020 0:15:01	raorohitrao976@gmail.co	Rohit rao	Mr.	Student	Govt madhav science ujja	Mp	9669761090	
9/1/2020 0:25:50	piyushtripathi.pt@gmail.c	Piyush Tripathi	Mr.	Student	Center of Environmental	Uttar Pradesh	7339985868	
9/1/2020 0:41:59	drsingh1310@gmail.com							
9/1/2020 0:44:36	dostmohammadmostaqi	Dost Mohammad Mostaqi	Mr.	Student	Career Point University	Rajasthan	8529475862	Okay
9/1/2020 1:01:15	dostmohammadmostaqi	Dost Mohammad Mostaqi	Mr.	Student	Career Point University	Rajasthan	8529475862	Okay
9/1/2020 1:28:13	kajarijyoti53@gmail.com	Kajari Jyoti Saha	Ms.	Student	Bidhannagar College	West Bengal	9051473557	Link not working
9/1/2020 2:14:27	tiwari.ritik.9831@gmail.c	DEEPAK TIWARI	Mr.	Student	SSIPMT	CG	8839403521	Yes
9/1/2020 3:01:42	gideonoggu@gmail.com	Gideon I Ogu, PhD	Dr.	Faculty	Federal University Lokoja	Kogi State	+2347037605625	Ok
9/1/2020 5:42:51	gprconventschoollpounsa	FULESHWAR KUMAR R	Mr.	Faculty	ABVV BILASPUR	Chhattisgarh	8085021911	8085021911
9/1/2020 7:46:20	riyag4254@gmail.com	RIA GHOSH	Ms.	Student	BIDHANNAGAR COLLEC	WEST BENGAL	9735029322	
9/1/2020 7:47:29	riyag4254@gmail.com	RIA GHOSH	Ms.	Student	BIDHANNAGAR COLLEC	WEST BENGAL	9735029322	
9/1/2020 7:53:46	mishrapm6@gmail.com	Prem Mohan Mishra	Prof.	Faculty	MLSM College, Darbhnga	Bihar	9431691686	
9/1/2020 7:57:30	nileshbhosale1011@gmai	NILESH SHANTARAM B	Mr.	Student	S.K.S.V. College Lanja,	D Maharashtra	7588408981	Sure
9/1/2020 8:48:38	meshramratan@gmail.co	Mr RATAN SUKHDEO M	Mr.	Faculty	NEVJABAI HITKARINI C	Maharashtra	9403212769	
9/1/2020 9:37:03	yogendra.apr11@gmail.co	Yogendra kumar kothari	Dr.	Faculty	Govt Excellence School	M Madhyapradesh	9893283255	
9/1/2020 9:48:21	tarunanand.mu@gmail.co	Tarun Anand	Mr.	Faculty	Vyapar Mandal Kanya Mi	Bihar	9709090199	
9/1/2020 10:00:47	nilanjansahoo09@gmail.c	Nilanjan Sahoo	Mr.	Student	North orissa university	west bengal	9083855759	no
9/1/2020 10:27:02	preeti23217@gmail.com	PREETI MISHRA	Ms.	Student	RAJEEV GANDHI MEMO	JHARKHAND	9470108631	Ok
9/1/2020 10:28:21	dr.soniasharma06@gmail	sonia sharma	Ms.	Faculty	sanmati government colle	punjab	6239606130	
9/1/2020 10:41:38	sonasapehia04@gmail.co	SONA SAPEHIA	Ms.	Student	PRAGYA COLLEGE OF E	Delhi	7982009441	
9/1/2020 10:53:29	prasenjtmahato@icloud.c	prasenjtm mahato	Mr.	Student	north orissa university	odisha	8670565441	
9/1/2020 10:55:38	subhadipjana177@gmail.	Subhadip Jana	Mr.	Student	North Orissa University	Orissa	8972808617	Nothing
9/1/2020 11:04:18	natalijaap@gmail.com	Natalija Atanasova-Pance	Prof.	Faculty	Faculty of Natural Scienc	North Macedonia	0038970350210	
9/1/2020 11:18:11	srimathiphd@gmail.com	Dr M Srimathi	Dr.	Faculty	Thassim Beevi Abdul Kad	Tamilnadu	9500706118	No
9/1/2020 11:19:10	srabanighosh.br@gmail.	Srabani Ghosh	Ms.	Student	North Orissa University	West Bengal	8777099020	This is the unique thought, may be helpful in future.
9/1/2020 11:22:04	angerraja6201911131@g	Gautam Kumar	Mr.	Student	Bihar Agricultural College	Bihar	6201911131	no
9/1/2020 13:25:49	amritasen987@gmail.com	Amrita Sen	Ms.	Student	Barkatullah University, Bh	Madhya Pradesh	9713760281	
9/1/2020 14:37:14	leenalakhani56@gmail.co	Dr.Leenaa Lakhani	Prof.	Faculty	Govt.Girls P.G.College,Uj	M.P.	9827048714	Yes
9/1/2020 15:17:29	dveeramalla@gmail.com	VEERAMALLA DEVEND	Mr.	Faculty	Government Degree Colle	Telangana	9885924083	Great
9/1/2020 15:27:33	anshujoshi2015@gmail.co	Anshu Joshi	Ms.	Faculty	Govt.Madhav science coll	Madhya pradesh	7987847297	
9/1/2020 15:56:37	deekshasharma1982@gri	Deeksha Sharma	Dr.	Faculty	Govt. Nehru P. G. College	Madhya Pradesh	8319988787	
9/1/2020 16:13:21	mahendravishwakarma30	MAHENDRA VISHWAKAI	Mr.	Student	GOVT MADHAV SCIENC	Madhya Pradesh	8109609346	Yes
9/1/2020 17:20:12	dewanda.damodar555@	DAMODAR PRASAD DEI	Mr.	Faculty	LT. Kumari Lakshmi badal	Rajasthan	9001929793	Good hard work
9/1/2020 18:09:26	rahulkumaranch@gmail	Rahul kumar	Mr.	Student	BBMKU,DHANBAD	JHARKHAND	6296031837	yes
9/1/2020 18:11:23	sknathsharma5388@gma	SANTOSH KUMAR NATH	Mr.	Faculty	Christ College, Cuttack	Odisha	9776272302	Yes
9/1/2020 18:12:44	sknathsharma5388@gma	SANTOSH KUMAR NATH	Mr.	Faculty	Christ College, Cuttack	Odisha	9776272302	Yes
9/1/2020 18:19:30	smithsagar77@gmail.com	Sai Smith sagar satapathy	Dr.	Faculty	DPS dhenkanal	Odisha		
9/1/2020 18:22:14	subhakantadash9@gmail	Subhakanta Dash	Dr.		Synergy Institute of Engin	Odisha	9776885058	
9/1/2020 18:23:45	nirupamaparida14@gmail	Nirupama Parida	Ms.	Faculty	Kendrapara Autonomous	Odisha	9438435909	
9/1/2020 18:26:10	santhu7180@gmail.com	Sai Santhosh Chodavara	Mr.	Faculty	S.V Tutorials	Andhra Pradesh	9494337180	
9/1/2020 19:08:05	sebuachristine4@gmail.c	CHRISTINE C. SEBUA	Prof.	Faculty	Department of Education	Philippines	639202798610	Thanks for this link
9/1/2020 19:36:12	raujisingh2226@gmail.c	Dr Ravinder Kumar Chau	Dr.	Faculty	GIC Daulatpur	UTTARAKHAND	7900615872	
9/1/2020 19:37:04	juulee82@gmail.com	Sandhya Sayantini Moha	Dr.	Faculty	Stewart Science College,	Odisha	9040961825	Yes
9/1/2020 19:49:20	shalgina.dangi@gmail.co	Pooja Dangi	Ms.	Student	Tri-Chandra Multiple Colle	Bagmati, Nepal	9819035847	Thank you so much!
9/1/2020 19:58:45	rbsea75@gmail.com	Samundra Shrestha	Ms.	Student	Tribhuvan University	Kathmandu, Nepal	9840020373	Yes
9/1/2020 20:01:46	ranju77thapa@gmail.com	Sam Ranjana Thapa	Ms.	Student	Tri-Chandra Multiple Cam	Nepal	9843707866	
9/1/2020 20:03:14	sumitabhujel15@gmail.co	Sumita Bhujel	Ms.	Student	Trichandra Multiple Camp	Province-3, Kathmandu, N	9860495798	

Signature Not Verified

 ARPAN BHARDWAJ
 E=ARPANBHARDW
 AJ11@GMAIL.COM,

clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
9/1/2020 20:03:25	seeta.lamsal143@gmail.c	Sita Lamsal	Ms.	Student	Tri-Chandra Multiple Cam	Kathmandu, Nepal	9843696905	sure.thank you
9/1/2020 20:06:49	mounika.pandena@gmail.com		Ms.	Faculty	GDCW,Gadwal	Telangana		
9/1/2020 20:15:01	ammumadhu00@gmail.c	Y. Madhumitha	Ms.	Student	Indian biotrack research i	Tamil Nadu	9786252061	No
9/1/2020 20:35:04	bikash.das@kiit.ac.in	Bikash Das	Mr.		KIIT UNIVERSITY	Odisha	9778491004	
9/1/2020 20:38:54	bikash.das@kiit.ac.in	Bikash Das	Mr.		KIIT UNIVERSITY	Odisha	9778491004	
9/1/2020 20:52:59	olbiratkaku@gmail.com	ABDI OLI FEYISSA	Mr.	Faculty	Wollo University	Amhara	0932826374	
9/1/2020 20:53:14	hailemny@gmail.com	MR. GIRMAY HABENOM	Mr.	Faculty	Wollo University, Ethiopia	Amhara	0913806735	ok
9/1/2020 20:53:58	olbiratkaku@gmail.com	ABDI OLI FEYISSA	Mr.	Faculty	Wollo University	Amhara	0932826374	
9/1/2020 20:58:22	hhabenom@yahoo.com	BETELHEM ANDUALEM	Ms.	Student	Wollo University ,KIoT ,Et	Amhara	0942801293	
9/1/2020 21:07:26	abhijitkrmc@gmail.com	ABHIJIT KARMAKAR	Mr.	Student	The University of Burdwa	West Bengal	8017871206	
9/1/2020 21:22:34	simranraisimranrai846@g	Simarjit kaur	Ms.	Student	Kanya maha vidyalaya	punjab	95017770446	K
9/1/2020 21:34:49	sumanta.pandit2010@gm	SUMANTA PANDIT	Mr.	Student	WEST BENGAL STATE U	WEST BENGAL	9933608202	Yes
9/1/2020 22:08:11	fidahussain9653@gmail.c	FIDA HUSSAIN DAR S/ C	Mr.	Student	University of Kashmir	J and k	7780910573	Great personality and role model
9/1/2020 22:55:20	rajanikmr.mjm@gmail.com	Rajani Kumari	Ms.	Student	Tathagat Teachers' Traini	Jharkhand	7564993558	
9/1/2020 23:01:08	sinhashubham.9470@gm	SHUBHAM SINHA	Mr.	Student	TATHAGAT TEACHERS'	JHARKHAND	8582026271	
9/1/2020 23:04:41	ABC@GMAIL.COM	FASDFSFA	Mr.	Student	SADSAD	SDAASD	9878987987	
9/1/2020 23:06:04	ABC@GMAIL.COM	SADASD	Mr.	Student	SDASD	FGZAFGFG	9809874321	
9/1/2020 23:31:58	helanmichael@gmail.com	Dr HELAN SOUNDRA RA	Dr.	Faculty	SRI RAMAKRISHNA COL	TAMILNADU	9787382236	
9/2/2020 0:01:12	banasreehirok19@gmail.c	Banasree Chakraborty	Ms.	Faculty	College of Teacher Educa	Tripura	8794841956	Thanks a lot.
9/2/2020 0:52:31	deepagoswami1980sonu	DEEPA GOSWAMI	Ms.	Faculty	G. S. S. College	Rajasthan	8764458364	Yes
9/2/2020 1:25:44	blessysherin995@gmail.c	Blessy B Sherin	Ms.	Student	Heera College of enginee	Kerala	6235482549	
9/2/2020 1:27:14	blessysherin995@gmail.c	Nizzi B Sherin	Ms.	Student	St.Goretie English mediu	Kerala	6235482549	
9/2/2020 3:38:05	sharmarachana385@gm	Rachana Sharma	Ms.	Faculty	PIAS,PU	Gujarat	9926793489	
9/2/2020 6:54:40	dheerajforestry@gmail.c	DHIRAJ KUMAR YADAV	Dr.	Faculty	Sant Gahira Guru Vishwa	Chhattisgarh	9926615061	YES
9/2/2020 8:24:06	harishastronaut@gmail.c	Harish.V	Mr.	Student		Tamilnadu	9841407034	
9/2/2020 9:52:22	gowtharilias@gmail.com	Miss.R.GOWTHAR	Ms.	Faculty	Jamal Mohamed College	Tamil Nadu	960868767	Ok
9/2/2020 10:13:09	pramod.singh61@gmail.c	Pramod Kumar Singh	Dr.	Faculty	Department of Chemistry,	Chhattisgarh	6267765969	No
9/2/2020 10:47:47	garimanagraj04@gmail.c	Garima Nagraj	Ms.	Student	Govt. Madhav Science P	(Madhya Pradesh	9754901062	
9/2/2020 13:07:46	titiliyadav665@gmail.co	Punam yadav	Ms.	Student	Kamala devi singhvi raj j	West Bengal	975568774	
9/2/2020 13:18:16	bautistajanorville29@gm	JAN ORVILLE P. BAUTIS	Mr.	Faculty	Aurora State College of T	Philippines	09281849348	
9/2/2020 13:20:13	kakali.dhara59@gmail.co	KAKALI DHARA	Ms.	Faculty	BIJRA HIGH SCHOOL, D	WEST BENGAL	9732090278	Ok
9/2/2020 14:42:38	anjaliashok2429@gmail.c	C.Pushpanjali	Prof.	Faculty	SRM Dental College	Tamilnadu	9840979997	
9/2/2020 14:48:53	anjaliashok2429@gmail.c	C. Pushpanjali	Ms.	Faculty	SRM Dental College	Tamilnadu	9840979997	
9/2/2020 17:19:14	singhdrsp12@gmail.com	Subhash Prasad Singh	Dr.	Faculty	A N College, Patna	Bihar	7301569006	
9/2/2020 18:16:05	agariahimani@gmail.com	HIMANI AGRI	Ms.	Student	KUMAON UNIVERSITY N	UTTARAKHAND	8410681835	
9/2/2020 18:21:48	banasreehirok19@gmail.c	Banasree Chakraborty	Ms.	Faculty	Tripura university	Tripura	8794841956	Thanks a lot.
9/2/2020 20:55:14	ali.mohd.jbd@gmail.com	Ali Mohammad	Mr.	Student	Gandhi Faiz-e-Aam (P.G.)	UTTAR PRADESH	8299895789	
9/2/2020 21:37:59	dr.harshkumargarg2012@	DR HARSH KUMAR GAR	Dr.	Faculty	DAYANAND VEDIC COLL	UTTAR PRADESH	9450293987	
9/2/2020 22:04:20	poonamdadwani1@gmail	Poonam Nandlal Dadwan	Ms.	Student	P.G Department of Educa	Gujrat	9106107395	
9/2/2020 22:48:05	drshahatufaila89@gmail.c	Tufaila Manzoor	Ms.	Student	Bagwant university Ajmee	Jammu and Kashmir	7006564408	Ok
9/3/2020 0:41:52	divyamathada26@gmail.c	M. Divya	Ms.	Student	Karnataka University	Karnataka	8147837309	
9/3/2020 8:03:05	lecturer_akhilesh@outl	AKHILESH KUMAR GOU	Mr.	Faculty	GHSS NKJ Katni	Madhya Pradesh	9977669733	Ok
9/3/2020 9:46:43	subhadipjana177@gmail.	Subhadip Jana	Mr.	Student	North Orissa University	West Bengal	8972808617	
9/3/2020 9:49:11	subhadipjana177@gmail.	subhadipjana177@gmail.	Mr.	Student	North Orissa University	West Bengal	8972808617	Ok
9/3/2020 10:02:58	rch12432@gmial.com	Rachu H	Mr.	Student	Karanatak university	Karnataka	9538840617	Yes
9/3/2020 14:41:09	sourav.adak68@gmail.co	Sourav Adak	Mr.	Student	University of Hyderabad	Telangana	8981634697	
9/3/2020 15:25:05	khalisk742202@gmail.co	KHALIL SK	Mr.	Student	UNIVERSITY OF GOUR	West Bengal	9734433376	
9/3/2020 15:33:09	lakshyanahar@gmail.com	Lakshya Nahar	Mr.	Student	Ramaiah Institute of Tech	Karnataka	9945288100	
9/3/2020 15:38:43	shashanksharma1729@g	SHASHANK SHARMA RE	Mr.	Student	KALINGA UNIVERSITY A	CHHATTISGARH	7869544801	Yes
9/3/2020 15:45:51	cps.pali@rediffmail.com	GAJENDRA TIWARI	Dr.	Faculty	CHHATTISGARH PUBLIC	Chhattisgarh	9424150282	
9/3/2020 15:47:42	shashanksharma1729@g	SHASHANK SHARMA RE	Mr.	Student	KALINGA UNIVERSITY A	CHHATTISGARH	7869544801	Yes
9/3/2020 15:49:51	cps.pali@rediffmail.com	GAJENDRA TIWARI PRI	Dr.	Faculty	CGBSE RAIPUR	Chhattisgarh	9424150282	
9/3/2020 15:51:30	cps.pali@rediffmail.com	GAJENDRA TIWARI PRI	Dr.	Faculty	CGBSE RAIPUR	Chhattisgarh	9424150282	
9/3/2020 18:26:47	riddhimaheshwari84@gm	Riddhi Maheshwari	Ms.	Student	Govt. Holkar (Model, Auto	Madhya Pradesh	8349293237	
9/3/2020 18:31:47	siddhimaheshwari5@gm	Siddhi Maheshwari	Ms.	Student	Om college of education ,	Madhya Pradesh		
9/3/2020 18:45:47	prajapatvikash444@gmai	VIKASH prajapat	Mr.	Student	Govt madhav science PG	Madhyaapradesh	8359833359	
9/3/2020 19:12:41	rajinder73kkr@gmail.com	Rajinder Kumar Sharma	Dr.	Faculty	Deshbhagat University M	Punjab	9466271252	
9/3/2020 19:14:29	bhartikkr75@gmail.com	Bharti	Ms.	Faculty	Guru Harkishan Public Sc	Punjab	9877278145	
9/3/2020 19:23:39	rajendrakumargurjar1998	Rajendra Kumar Gurjar	Mr.	Student	Govt Madhav science coll	M.p.	9950295174	yes
9/3/2020 21:13:24	pratibhanamdeo008@gm	Mrs.Pratibha Namdeo	Prof.	Faculty	Govt.Madhav Science P	(M.P.	9977177448	Super
9/3/2020 21:17:46	pratibhanamdeo008@gm	Mrs.Pratibha Namdeo	Prof.	Faculty	Govt.Madhav Science P	(M.P.	9977177448	Super

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clean air for blue skies	Email Address	Name	Salutation	Affiliation	Affiliating Institute	State	Whatsapp Number	To Know more about Dr. T.Pradeep click http://www.dstuns.iitm.ac.in/pradeep-research-group.php
9/4/2020 2:49:17	jadhavsk.snk@gmail.com	SACHIN KARBHARI JAD	Mr.	Faculty	SSVPS's ACS College Sh	Maharashtra	9226066368	
9/4/2020 3:13:22	dspajad486@gmail.com	Daya shankar yadav	Mr.	Student	K.L.UNIVERSITY	Andra pradesh	9771685729	OK
9/4/2020 3:14:16	dspajad486@gmail.com	Daya shankar yadav	Mr.	Student	K.L.UNIVERSITY	Andra pradesh	9771685729	OK
9/4/2020 7:02:06	susantadakua61@gmail.c	Susanta Dakua	Mr.	Student	Utkal university	Odisha	7076411655	
9/4/2020 7:06:07	susantadakua61@gmail.c	SUSANTA DAKUA	Mr.	Student	Utkal university	Odisha	7076411655	
9/4/2020 17:50:50	ritukumrawat@gmail.com	Ritu Kumrawat	Dr.	Faculty	DAVV	MP	9764893184	
9/4/2020 18:56:28	durgam724@gmail.com	M.DURGA DEVI.	Ms.	Student	CAUVERY COLLEGE FO	TAMIL NADU	9345332258	
9/4/2020 18:58:31	durgam724@gmail.com	M.DURGA DEVI.	Ms.	Student	CAUVERY COLLEGE FO	TAMIL NADU	9345332258	
9/4/2020 19:03:36	durgam724@gmail.com	M.DURGA DEVI.	Ms.	Student	CAUVERY COLLEGE FO	TAMIL NADU	9345332258	
9/4/2020 19:05:09	durgam724@gmail.com	M.DURGA DEVI.	Ms.	Student	CAUVERY COLLEGE FO	TAMIL NADU	9345332258	
9/4/2020 19:17:35	janapriyara99@gmail.cc	R.Janapriya	Ms.	Student	Cauvery college for wom	Tamilnadu	7904331755	
9/4/2020 19:19:51	prema4121999@gmail.cc	K.Premalatha	Ms.	Student	Cauvery college for wom	Tamilnadu	6379826115	
9/4/2020 20:15:27	yuvaneshty771998@g	J. Yuvaneshty	Mr.	Student	Presidency College (Auto	Tamil Nadu	8220306009	No
9/5/2020 8:55:08	juhi.vyas0911@gmail.com	Shivangi Vyas	Ms.	Student		MP	9039985747	
9/5/2020 9:59:40	aaikal780@gmail.com	Arun Kumar Bodane	Dr.	Faculty	BKSN Govt. PG College,	Madhya Pradesh	9926087917	Excellent
9/5/2020 9:59:58	saktianju98@gmail.com	S.Roja	Ms.	Student	Queen Mary's arts and sc	Tamil nadu	7200135537	Good
9/5/2020 10:02:12	saktianju98@gmail.com	S.Roja	Ms.	Student	Queen Mary's arts and sc	Tamil nadu	7200135537	Good
9/5/2020 16:18:58	samantsd.ict@gmail.com	Prof shriniwas Samant	Prof.	Faculty	Ict	Maharashtra	9892950580	
9/5/2020 23:59:49	kirankumarjena22@gmail	Kiran Kumar Jena	Mr.	Faculty	Vignan +2 Science Colleg	Odisha	8908592849	
9/6/2020 0:01:34	kirankumarjena22@gmail	Kiran Kumar Jena	Mr.	Faculty	Vignan +2 Science Colleg	Odisha	8908592849	
9/6/2020 9:14:26	solankijeevan8@gmail.co	dr jeeven singh solanki	Dr.	Faculty	govt.madhav science col	mp	8959376331	
9/6/2020 9:52:15	komalchelaramani1990@	Komal Chelaramani	Ms.	Faculty	Govt. Madhav Svience P	M.P.	9826161348	Ok
9/6/2020 10:22:47	drseematrivedi198@gmai	DR.SEEMA TRIVEDI	Prof.	Faculty	GOVT.MADHAV SCIENC	MADHYA PRADESH	9424014346	O.k
9/6/2020 10:30:46	harisdwivedi@gmail.com	Harishankar Dwivedi	Prof.	Faculty	Government Madhav Scie	Madhya Pradesh	9407130036	
9/6/2020 15:10:45	rekha.nagwanshi@gmail.	rekha nagwanshi	Dr.	Faculty	Govt Madhav Science col	Madhya Pradesh	9893712713	Its really great event to listen him...
9/6/2020 16:08:32	meerarasul7@gmail.com	S.RASUL MEERA	Ms.	Student	University of Madras	Tamilnadu	9150871237	Yes
9/6/2020 17:02:50	juulee82@gmail.com	Sandhya Sayantini Mohar	Dr.	Faculty	Stewart Science College	Odisha	9040961825	Yes
9/6/2020 19:23:29	shahinasardar07@gmail.c	Shahina Khatun	Ms.	Student	Shri Shankaracharya Ma	Chhattisgarh	8770679019	
9/6/2020 19:28:53	cbphysic@gmail.com	DR CHANDRABHAN MAI	Dr.	Faculty	SIRTE	M p	9424403399	
9/6/2020 19:30:58	sirte.nazia@gmail.com	Nazia shafique	Ms.	Student	Rgpv	Madhya Pradesh	9899119743	
9/6/2020 19:31:23	renu.khuswah12@gmail.c	Renu Kushvah	Ms.	Faculty	Sagar institute of Researc	Madhya Pradesh	9165485150	Yes
9/6/2020 19:32:58	renu.khuswah12@gmail.c	Renu Kushvah	Ms.	Faculty	Sagar institute of Researc	Madhya Pradesh	9165485150	Yes
9/6/2020 19:34:31	kiranjvapai@yahoo.com	Dr Mrs Kiran Vajpai	Prof.	Faculty	Govt Bilasa Girls PG Auto	Chhattisgath	8349311211	Ok
9/6/2020 19:39:51	drneelusingh@yahoo.com	Neelu Singh	Dr.	Faculty	SIRTE	MADHYA PRADESH	9425008914	Yes
9/6/2020 19:41:13	drneelusingh@yahoo.com	Neelu Singh	Dr.	Faculty	Sirte	MADHYA PRADESH	9425008914	Yes
9/6/2020 19:42:18	drneelusingh@yahoo.com	Neelu Singh	Dr.	Faculty	Sirte	MADHYA PRADESH	9425008914	Y
9/6/2020 20:03:37	rbgupta.gwallor@gmail.cc	Dr RAMESH BABU GUP	Dr.	Faculty	SMS GOVT SCIENCE CC	MADHYA PRADESH	9827328793	Yes
9/6/2020 20:23:18	akhimahuar970@gmail.c	AKHILESH KUMAR MISH	Mr.	Student	A. N. COLLEGE, PATNA	BIHAR	8709262774	
9/6/2020 21:04:33	drglkhangode@gmail.com	Dr.G L khangode	Dr.	Faculty	mp govt.	mp	9827445394	yes
9/6/2020 21:07:55	aivneetkaur@gmail.com	Ivneet Kaur Arora	Ms.	Student	Guru Nanak Khalsa Colle	Maharashtra	8200983755	Thank you
9/6/2020 21:19:37	savilakshya2012@gmail.c	Savita Sharma	Ms.	Student	IIS (deemed to be) Univer	Rajasthan	9694988531	No
9/7/2020 7:50:21	asma_nice@rediffmail.co	Asma Ahmed	Ms.	Faculty	Govt. Madhav Science Cc	Madhaya Pradesh	9827739341	Yes
9/7/2020 8:57:36	rp907861@gmail.com	RAHUL PANWAR	Mr.	Student	Govt. Madhav science col	Madhya Pradesh	9111731480	
9/7/2020 12:38:02	pbbhawnamalik1985@yahi	Bhawna malik	Ms.	Faculty	Govt. Science college, uji	Madhya pradesh		9981734648
9/7/2020 12:39:30	vermashweta040@gmail.	Shweta verma	Ms.	Faculty	Madhav science college	Madhya Pradesh	9826266876	
9/7/2020 13:32:33	jayaparihar42@gmail.com	Dr. Jaya Parihar	Dr.	Faculty	Lokmany Tilak Science &	Madhya Pradesh	7879951532	Yes
9/7/2020 13:43:16	dksharma.election@gmai	Shruti sharma	Ms.	Faculty	Guest faculty	M.P.	9752797711	
9/7/2020 13:45:10	dksharma.election@gmai	Shruti sharma	Ms.	Faculty	Govt. Madhav science col	M.P.	9752797711	
9/7/2020 13:53:11	dksharma.election@gmai	Shruti sharma	Ms.	Faculty	Govt. Madhav science p	M.P.	9752797711	
9/7/2020 13:58:17	dksharma.election@gmai	Shruti sharma	Ms.	Faculty	Govt. Madhav science p	M.P.	9752797711	
9/9/2020 12:52:45	sp8642598@gmail.com	seema parmar	Ms.	Student		mp	8269518007	
9/9/2020 16:19:35	poonambiotek@gmail.cor	POONAM C	Ms.	Student	Alagappa university	Tamil Nadu	9487335417	
9/9/2020 18:41:11	poonambiotek@gmail.cor	POONAM C	Ms.	Student	Alagappa university	Tamil Nadu	9487335417	
9/12/2020 20:16:18	droupti.yadav@gmail.com	Dr. Droupti Yadav	Dr.	Faculty	CSJM UNIVERSITY, KAN	Uttar Pradesh	9889857731	
11/3/2020 11:09:56	sumanvishwakarma825@	Suman Vishwakarma	Ms.	Faculty	Govt. Madhav science p	India	8962960403	

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