

Day 21 - School Greenest

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school: Department of chemical technology



Part 1

Find 3 colleges or universities in the US or abroad with strong sustainability-focused studies.

Indian Institute of Technology, Kharagpur

IGNOU ,New delhi

Tata Institute of Social Sciences, Mumbai

Indian Institute of Management, Lucknow

Indian Institute of Technology, Kharagpur

Sustainable Development: From Principles to Implementation

Location	Indian Institute of Technology (IIT), Kharagpur, West Bengal, INDIA	
Objective	This workshop is designed with the express aim at creating a partnership between people from university, industry and government to address a problem of mutual interest associated with rural, sustainable development. Through working together on a "Question for the Workshop", participants will have the opportunity to internalize some principles of sustainable development, and thence, postulate a plan for implementation for rural development.	
Question for this workshop (Q4W)	<p>We imagine a future in which individuals are empowered to participate in the value network where geographically distributed people (including engineers) collaboratively develop, build, and test solutions to complex socio-techno-eco engineered systems. Hence, the question for this workshop for which a business plan and lessons learned by you are required, is:</p> <p>"Imagine that you are operating a product or service creation enterprise in a wired and interconnected world anchored in India where individuals are empowered to participate directly in the value network.</p> <p>What are the characteristics and features of a cloud-based internet of things to promote sustainable development of off-grid villages in environmentally sensitive areas in India that need to be electrified?"</p>	
Who should attend	Faculty, professionals and research scholars, individuals involved in NGOs, CSR activities, and social justice projects, and policy makers etc. in promoting rural sustainable development.	
Participant take-aways	<p>On the completion of this workshop we expect the participants, by working together on developing an answer to the Question for the Workshop, to:</p> <ul style="list-style-type: none"> • internalize key principles of sustainable development in general and rural sustainable development in particular, • learn how to postulate a plan that is anchored in principles and is implementable, and • identify avenues of collaboration in research, teaching and practice. 	
Format of the workshop	<p><i>Logistics</i></p> <p>Number of days: 5.5 Number of sessions: 11</p> <p><i>Session format</i></p> <p>Time for each formal session: 3 hours</p> <ul style="list-style-type: none"> • Keynote talk to frame the questions in each session – 60 minutes • Two short commentaries to delve into questions – 30 minutes • Exercise from workbook – 90 minutes 	
Contents	<ul style="list-style-type: none"> • Managing expectations • Defining sustainable development and its value proposition • Identifying stakeholders • Identifying tool user/tool maker competencies and learning statements • Field Trip • Principles of sustainable development • Sustainability triangle • Framing the problem embodied in the Question for the Workshop • Team presentations of answers to the Question for the Workshop • Strategies for implementation 	
Important Dates	Registration opens	April 22, 2016
	Registration closes	May 13, 2016
	Last date for requesting refund	May 18, 2016
	Amount of refund	Total less Rs. 1000/-
	It will take us AT LEAST six weeks after the completion of the workshop to process the refunds.	
Registration Fee (Limited to 30 participants)	Research Organizations:	Rs. 30,000/-
	Industry participants and CSR personnel from corporate organizations:	Rs. 30,000/-

IGNOU, Delhi

Post- Graduate Diploma in Environment and Sustainable Development.

Post-Graduate Diploma in Environment and Sustainable Development (PGDESD)

Minimum Duration: 1 Year

Maximum Duration: 3 Years

Course Fee: Rs. 6,600

Minimum Age: No bar

Maximum Age: No bar

Eligibility:

Graduation from a recognised university/institution

[Programme overview](#) | [Courses](#) | [Related Information](#) | [Programme Guide](#)

The Post-Graduate Diploma in Environment and Sustainable Development has been developed by the School of Sciences, IGNOU, in collaboration with SAFLI (South Asia Foundation Learning Initiative), OUSL (Open University of Sri Lanka), BOU (Bangladesh Open University), AIOU (Allama Iqbal Open University, Pakistan), BRAOU (BR Ambedkar Open University, Andhra Pradesh, India), and BRAC (Bangladesh Rural Advancement Committee) University.

The objectives of the Programme are to:

Disseminate information and exchange knowledge and experiences gained in the pursuit of the goal of sustainable development.

Strengthen regional cooperation in environmental capacity building especially in the area of environmental management.

Educate and train individuals from different walks of life, viz. development

Tata Institute of Social Sciences

Centre for Climate Change and
Sustainability Studies

ABOUT



About the Centre for Climate Change and
Sustainability Studies



About

The climate change group at TISS, started active inter-disciplinary research in the area of climate change and sustainable development in 2008. The group was formalised into a Centre for Climate Change and Sustainability Studies in the year 2012. A two year M.A./M.Sc. Programme in Climate Change and Sustainability Studies was also started, in the

What draws you to the programs?

Sustainable development and its studies are growing subjects in foreign as well as in India, this is the future of India so this drew my attention. So we can contribute our portion to it.

What makes it unique, compared to other schools?

Other schools are normal and regular teaching based which might vanish in years and then sustainability will increase for that today's development of it is necessary and this makes it unique □

Can you find out why and/or when it launched?

Sustainable development started in Rio de Janeiro in 1992 and in India it started in September 2015.

How would you adapt this to make it your dream class?

All systems and societies naturally develop. However, in this day and age, development is moving at breakneck speeds, thanks to advancements in technology. The only problem is that not everyone considers the downsides that come along with unbalanced economic growth including impacts on people's well-being and environment.

It's about time people start to change their perspective on unbalanced economic development by viewing the world in a completely different way. What would help people achieve that is setting sustainable development goals

Syllabus for the Course

credits:20

Hours- 6hrs/week

Project Green Challenge

SYALLBUS

- Chapter 1:** Units: Why PGC?, The overall world crisis, The current scenario, Know your surroundings, Footprint, Carbon footprint, Water footprint, Energy, Fossil Fuels, Sustainable Future.
- Chapter 2:** Water management, waste management, plastic disposal, plastic management, E-waste management, Carbon emissions and controlling.
- Chapter 3:** Climate justice, Intersectional Environmentalism, Impacts on the vulnerables, Environment protection acts, Global crisis of Climate justice, Soil and it's role, Carbon sequestration, Plants and their importance in human life and the ecosystem.
- Chapter 4 :** Biomimicry, Examples of Biomimicry in day to day lives, Agriculture, Regenerative Agriculture, Biodiversity preservation, importance of bees.
- Chapter 5:** Wellness, Body care , impact of chemicals on humans and the nature, Mindfulness, importance of healthy and clean surroundings, how to keep your surroundings clean and fresh, Roles of citizens, Right to Vote, Economics,
- Chapter 6:** The various brands that are going sustainable, Reflection in the form of assesment, learn about various certifications.

What PGC themes would you incorporate into the class?

The various themes that we have added include: Why, Footprint, Zero waste, food waste, food, water, soil, biodiversity, Biomimicry, fashion, climate justice, Economics, Vote, Fair trade, Plant based, plastic, etc

How would you make the class engaging? How would you get students inspired to mobilize around topics?

Would you use class discussions, films, etc.? Be creative!, How would you encourage collaboration and teamwork among students?

Students will be provided with interactive videos and animations along with infographics to not make the course tedious, we have included practicals and activities in the course to add more depth and engagement of the students in the course, we will organise classes via Google meets by taking consideration the pandemic crisis, Guest lectures and TED talk videos will be extras for students to get more knowledge about the topics and get to know the current scenario of the crisis, We will make students more concerned about the course by hosting movies based on environmental awareness and impacts. We will ask students to make presentations and present them to their families, colleagues and friends to make them realise their responsibility towards the planet . As a substitute we will organise discussion forums if field visits get cancelled due to some issues. Also, to get more interest, we have decided to reward the students with certificate of completion after they successfully pass the assessment with score more than or 50%

Plan a calendar with special events, speakers, screenings, etc. Who would you reach out to and why?



PROJECT GREEN CHALLENGE

Time-Table

MON	TUES	WED	THURS	FRI
THEORY CLASS 9 AM	PRACTICAL/ ACTIVITIES 9 AM	PRACTICAL/ ACTIVITIES 9 AM	GUEST LECTURE 10:30 AM	
		THEORY CLASS 1 PM		FIELD VISIT/ SITE SEEING 1 PM

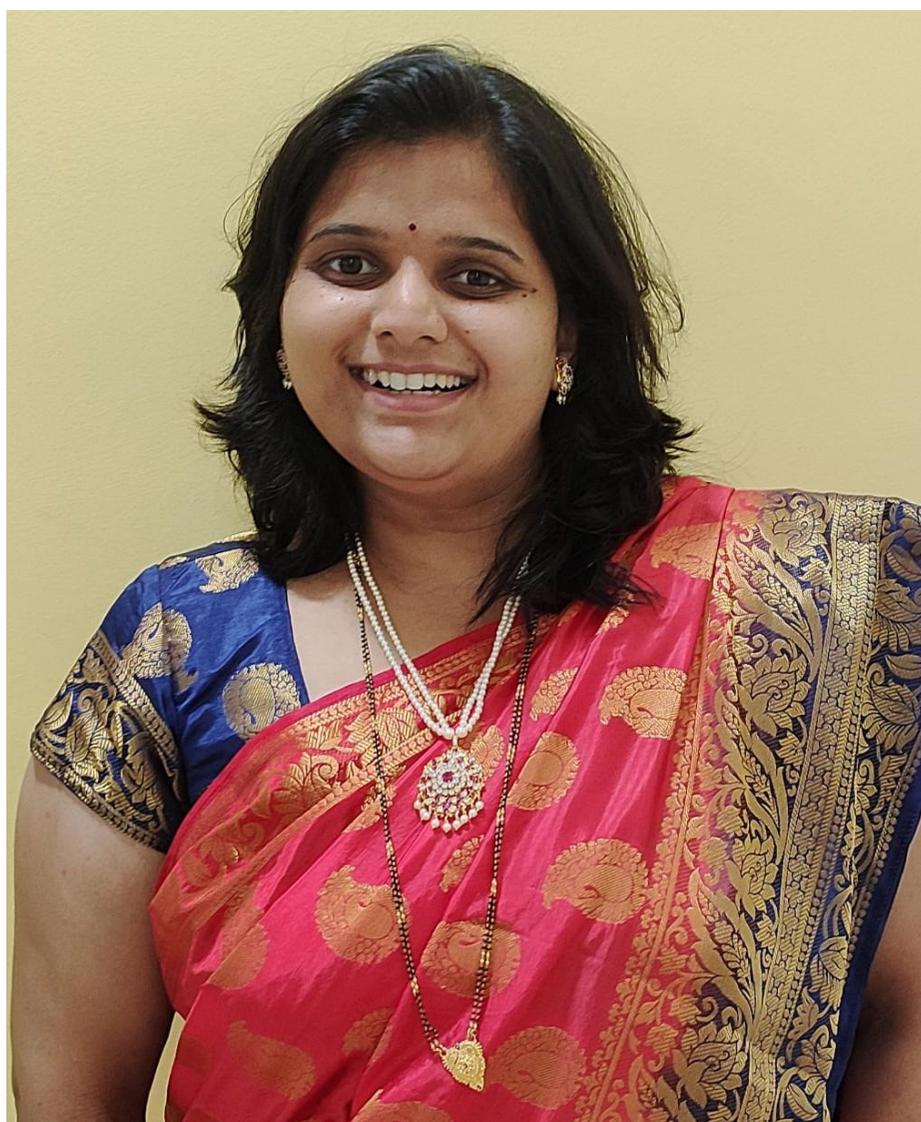


We have added our course online for students to register and the course is offered free of cost along with a free certificate.

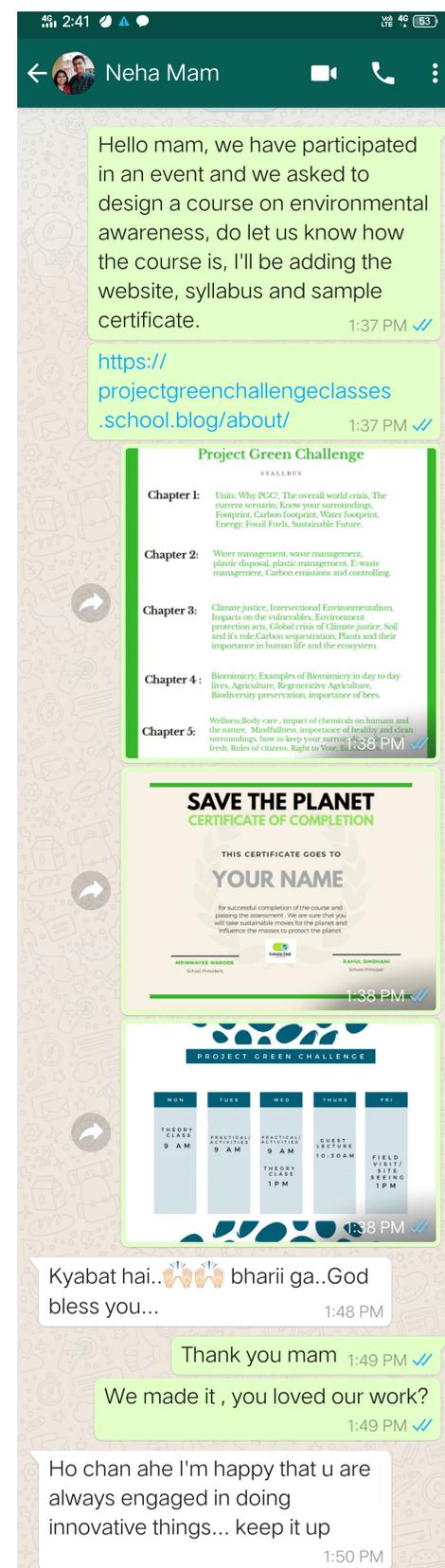
Link for the course :

<https://projectgreenchallengeclasses.school.blog/about/>

We shared our course with our professors and teachers and this is how we got the responses in the form of screenshot we have added



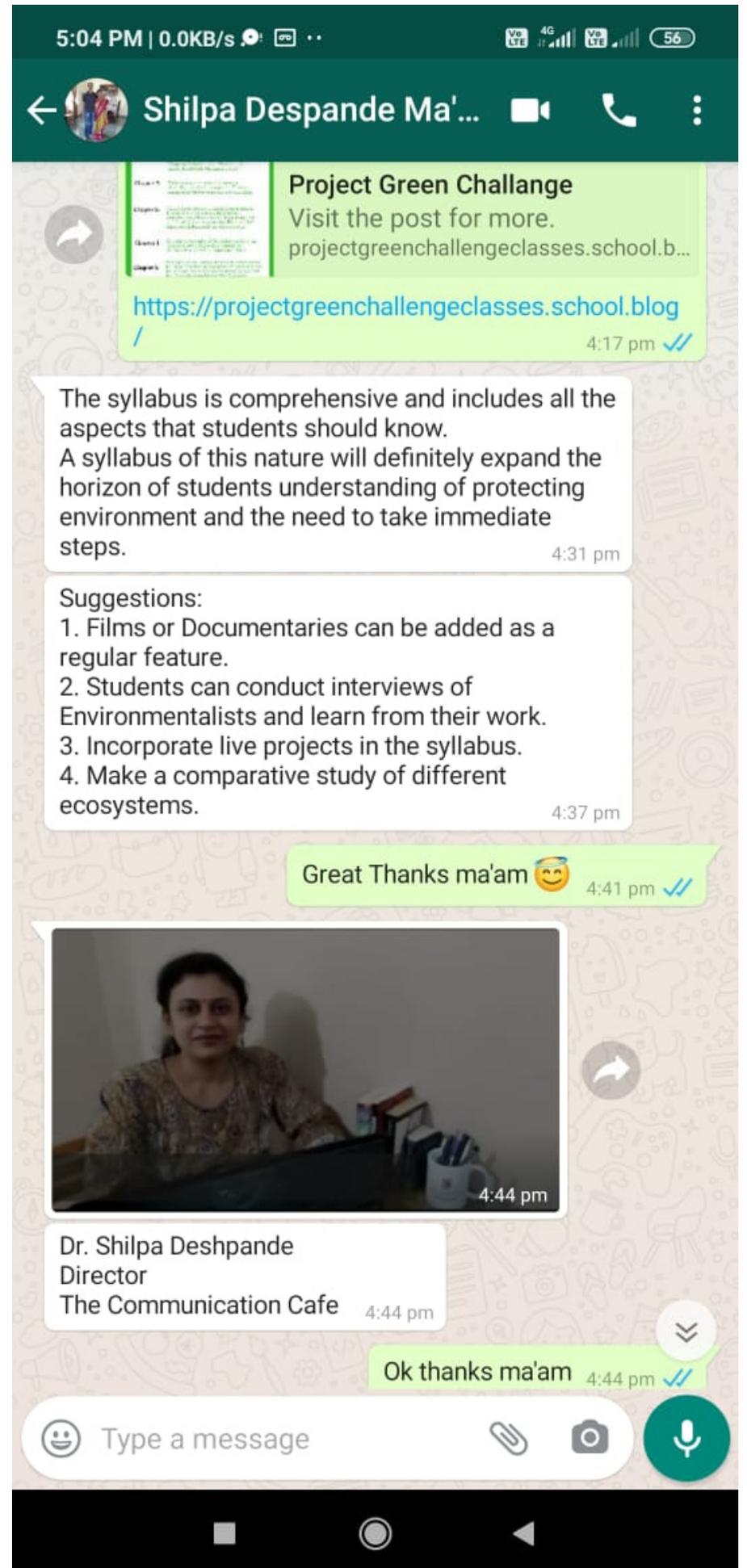
Prof. Neha Bhadgaokar
Chemistry professor at
Concept Academy of
Chemistry.





Dr. Shilpa Deshpande

Director- The Communication Cafe



Miss. Gauri Kallawar

Department of Chemical
Technology

4G+ 4:55 VoLTE 4G+ 43

←  Gauri Mam   

Impacts on the vulnerables, Environment protection acts, Global crisis of Climate justice, Soil and it's role, Carbon sequestration, Plants and their importance in human life and the ecosystem.

Chapter 4 : Biomimicry, Examples of Biomimicry in day to day lives, Agriculture, Regenerative Agriculture, Biodiversity preservation, importance of bees.

Chapter 5: Wellness, Body care, impact of chemicals on humans and the nature, Mindfulness, importance of healthy and clean surroundings, how to keep your surroundings fresh, Roles of citizens, Right to Vote, Education.

1:39 PM ✓

SAVE THE PLANET
CERTIFICATE OF COMPLETION

THIS CERTIFICATE GOES TO
YOUR NAME

for successful completion of the course and passing the assessment. We are sure that you will take sustainable moves for the planet and influence the masses to protect the planet.


MRINMAYEE WARODE School President **RAHUL SINDHANI** School Principal

1:39 PM ✓

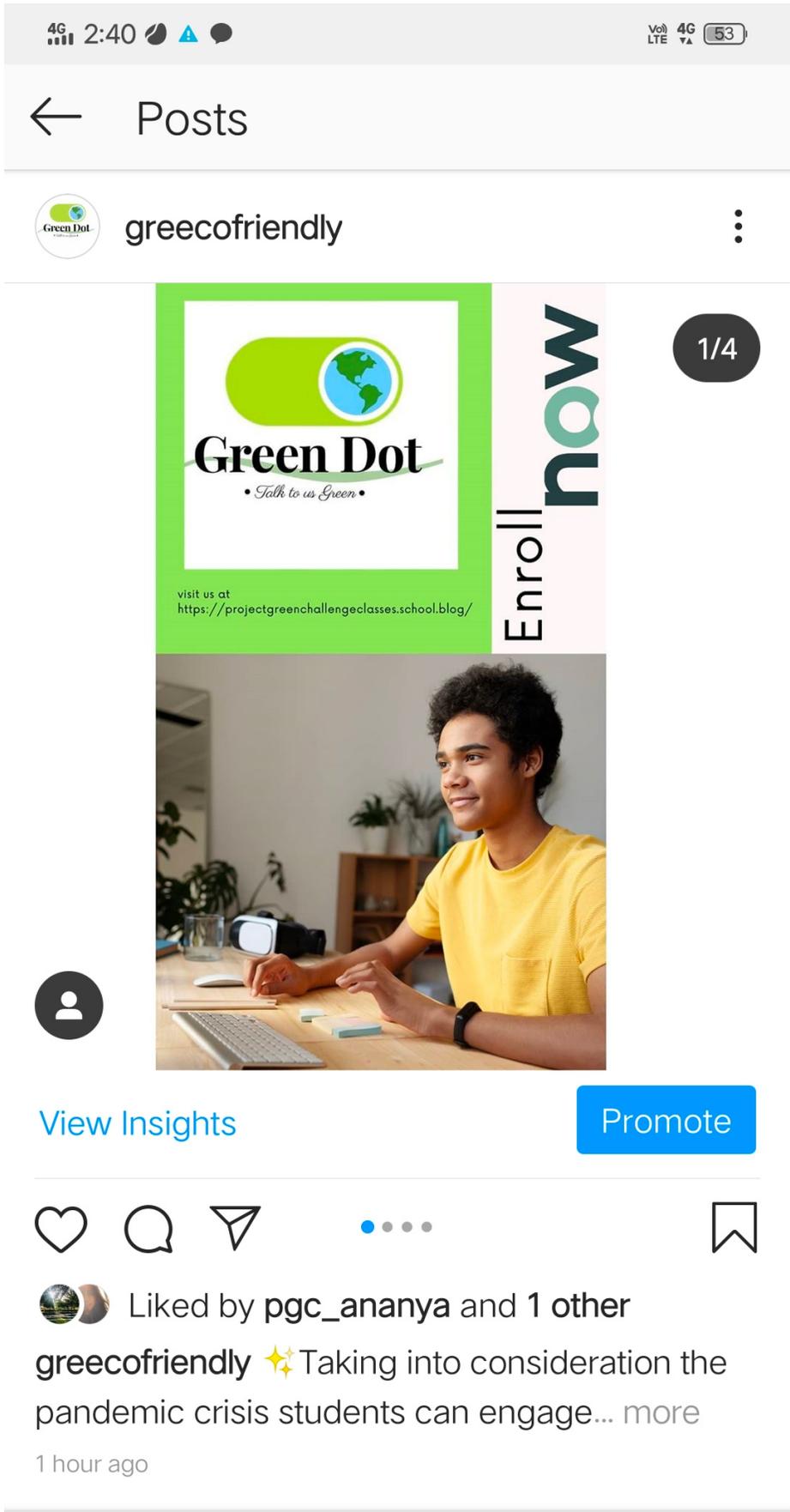
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		THEORY CLASS 1 PM		

1:39 PM ✓

Nice job Mrinmayee. Can you send it on email? I will be able to read it and suggest the changes.

 | Type a message   



Screenshot of our social media post