



**TEACHING LEARNING CENTRE
AND**

**DEPARTMENT OF ENVIRONMENTAL STUDIES
RAMANUJAN COLLEGE**

(ACCREDITED GRADE 'A' BY NAAC)

UNIVERSITY OF DELHI

under the aegis of

MINISTRY OF EDUCATION

**PANDIT MADAN MOHAN MALAVIYA NATIONAL
MISSION ON TEACHERS AND TEACHING**

is organising an

**ONLINE TWO WEEKS INTER- DISCIPLINARY
REFRESHER COURSE**

ON

ENVIRONMENT AND HUMAN HEALTH

28 March - 11 April 2022

**CALL FOR
REGISTRATION
AND PARTICIPATION**



RAMANUJAN COLLEGE

Ramanujan College is a constituent College of the University of Delhi (DU). It is inspired by the life and work of Srinivasa Aiyangar Ramanujan, one of the world's greatest mathematicians. The College has been accredited Grade "A" by the National Assessment and Accreditation Council (NAAC) in its First Cycle. It is located in the well-known area of Kalkaji, near Nehru Place, in South Delhi.

The College was established in 1958 as an evening college for boys with just five programmes. Since 2010, Ramanujan College has been expanding and now with the latest addition of B.Sc. Environmental Sciences (Hons) in 2020, it at present offers sixteen undergraduate programmes in different disciplines. This achievement, in alignment to the recommendations of the National Education Policy (NEP) 2020, makes the College a centre for interdisciplinary studies and research with a future focus on blended learning. It has gradually grown into a self-sufficient and self-reliant institution owing to its academic vigour and intellectual capital.

Ramanujan College was awarded the Deen Dayal Upadhyay –Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood (DDU KAUSHAL) Kendra in 2016 by the UGC, under which two vocational courses were started in Banking Operations and Software Development.

The College has conducted a Course on Human Rights, Environment and Ethics through its National Resource Centre (NRC), under the Annual Refresher Programme in Teaching (ARPIT) scheme of Ministry of Education (MoE). This Course was uploaded on MoE's Massive Open Online Course (MOOC) platform SWAYAM and many participants registered for it.

Ramanujan College offers various short-term diploma, certificate, and executive development programmes on contemporary and skill-oriented themes. These are conceived and designed by faculty members in consultation with external experts.

The courses get exceptional response from the students and are conducted throughout the academic session. They are open to alumni and students of all the colleges. Some of these courses support the curriculum, some prepare the students for higher studies and also accelerate the professional growth.

The College is the Study Centre of School of Open Learning (SOL), Non-Collegiate Women Education Board (NCWEB) and Indira Gandhi National Open University (IGNOU) for various courses. As an initiative towards students and teachers exchange programmes, the College has entered into Memorandum of Understanding(s) with foreign universities. It is also working for collaboration with other higher education institutions located in remote areas of the country, under the Vidya Vistar Scheme of the University of Delhi.

The prestigious Teaching Learning Centre was awarded to Ramanujan College in 2017 by the Ministry of Education, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) scheme.

In pursuit of its vision: “Discover, Empower, Transform: Building A Better World”, Ramanujan College is today perceived as one of the best colleges in the country.



TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE

Teaching Learning Centre (TLC) is mandated by the Ministry of Education (MoE) to organise Faculty Development Programmes (FDPs), Faculty Orientation and Induction Programmes (FIPs), discipline specific and interdisciplinary Refresher Courses, conferences, workshops, through offline and online modes. These programmes are based on in-depth subject knowledge, quantitative and qualitative research methodologies, and on an interdisciplinary approach as is envisaged in the National Education Policy (NEP), 2020.

The TLC, Ramanujan College has been set up with the aim of "Reaching the Unreached" teachers in terms of regional diversity and geographically remote areas of the country. It has successfully conducted more than hundred learner-centric programmes since October 2017 and trained over one lakh teachers across the country in various discipline specific and interdisciplinary programmes.

In the TLC Programmes distinguished and internationally acclaimed resource persons deliver lectures and conduct sessions on wide ranging disciplines/topics of relevance in the contemporary and ever evolving global scenario to benefit the teaching fraternity, corporates and researchers. The sessions are also uploaded for larger audiences on the official YouTube Channel of the College.

Ramanujan College is a pioneer in offering offline/online courses for faculty members of higher education institutions and research scholars through the customised Learning Management System (LMS), designed by the College's Research Development and Services Cell. It is predominantly participant-friendly and incorporates evaluation methods and comprehensive feedback systems to judge learning outcomes. The LMS is hosted on CLOUD with high scalability and reliability. The College has installed its own Cloud Infrastructure to host its servers for research and data analysis.

CONCEPT NOTE

The environment around us, which includes the air, water, and other biotic and abiotic components, is an integral part of our lives and without it our survival is not possible. Human health gets significantly affected due to the quality of air, water and soil. We have always faced challenges with the repercussions of our activities such as industrial, agricultural, solid waste and many more, despite knowing the fact that environment offers unlimited ecological, economical and recreational opportunities for the mankind.

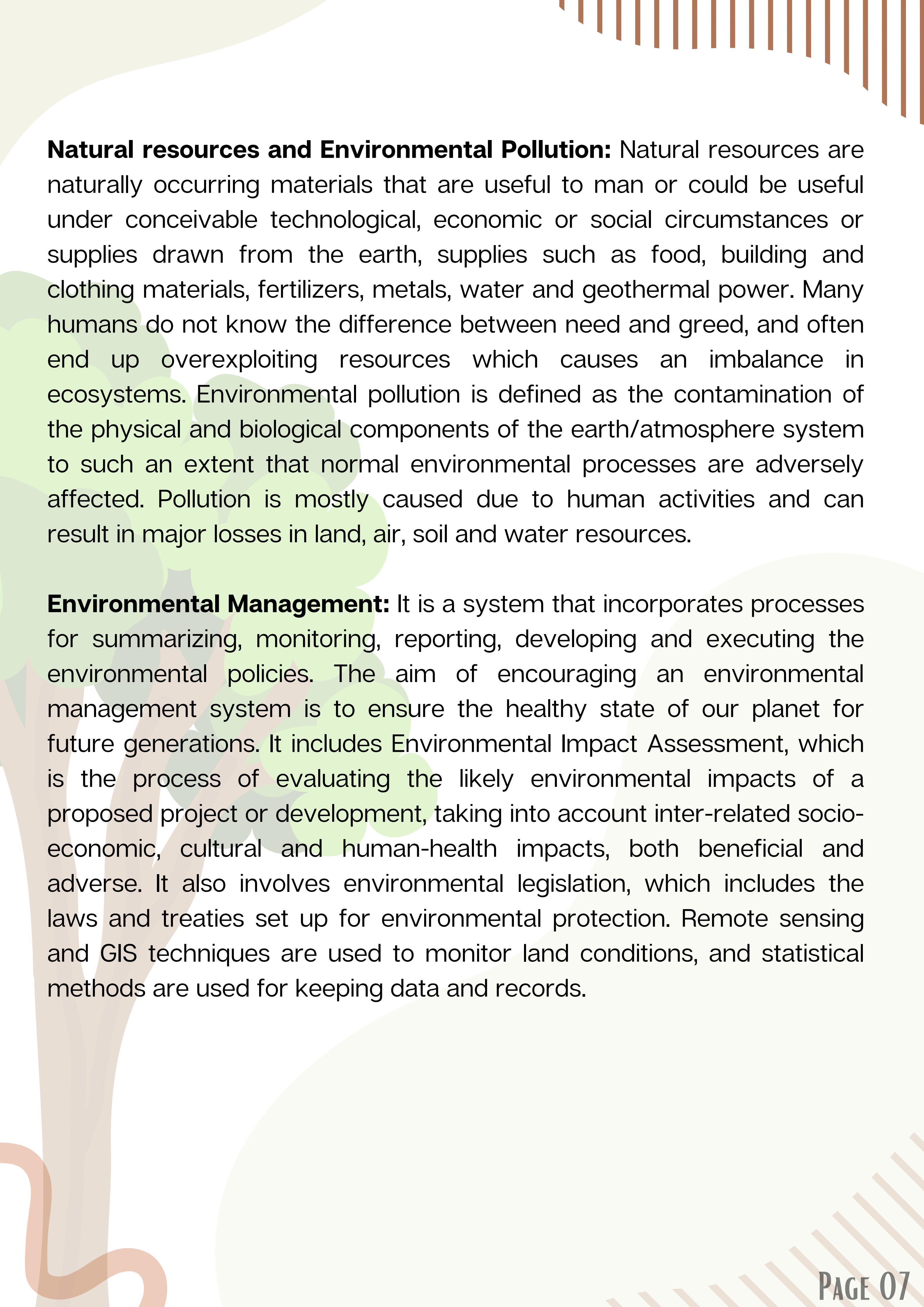
We have been exploiting the environment for various resources for centuries, regardless of whether we need them or not. Anthropogenic activities have resulted in a huge negative impact on our environment, the effects of which are already visible around us like global warming, climate change, rising sea level, ocean acidification, biodiversity loss, and so many more. Ever since the Industrial Revolution, the Earth has been facing continuous environmental degradation and loss due to deforestation, resource exploitation, mining activities, greenhouse gas emissions, with no relief. As a result various biological, chemical and physical pollutants and potential pathogens have evolved and developed that can harm people's health through a series of complex transport and exposure pathways. As we can see around us, all the destruction done to the environment is affecting human survival. The air most of us breathe is heavily polluted, the water we drink contains micro plastics and other contaminants, the land we use for agriculture is losing its fertility, and the food we consume has biomagnified harmful chemical substance, and so on.

As rightly said by Dr. Jane Goodall, "You cannot get through a single day, without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of difference you want to make."

With this thought, an online two-week refresher course on the theme of “Environment and Human Health” has been developed so that teachers from different disciplines learn and understand the implications of anthropogenic activities on environment and human health. At the same time, it is pertinent to realize the human potential to protect our species from the impacts of ecological and environmental risks. In the current environmental conditions, this course can prove to be highly beneficial not just for one’s health, but also for the health of those around you.

THEMATIC AND COURSE DESIGN:

Sustainable Development: As most of us are aware, sustainable development is one of the most effective and feasible solutions to the current environmental issues we are facing. It can be defined as development that meets the needs of the present without compromising the ability of future generations to meet their own needs. The concept of sustainable development formed the basis United Nations Conference on Environment and Development held in Rio de Janeiro in 1992. Sustainable development often requires transformative change at the local, national and global levels, and is often economically very challenging. An economy that aims at reducing environmental risks and ecological scarcities, and that aims for sustainable development without degrading the environment is called a green economy, and it is the need of the hour. Another initiative that comes under sustainability is sustainable agriculture, which is farming in sustainable ways meeting society's present food and textile needs, without compromising the ability for current or future generations to meet their needs.



Natural resources and Environmental Pollution: Natural resources are naturally occurring materials that are useful to man or could be useful under conceivable technological, economic or social circumstances or supplies drawn from the earth, supplies such as food, building and clothing materials, fertilizers, metals, water and geothermal power. Many humans do not know the difference between need and greed, and often end up overexploiting resources which causes an imbalance in ecosystems. Environmental pollution is defined as the contamination of the physical and biological components of the earth/atmosphere system to such an extent that normal environmental processes are adversely affected. Pollution is mostly caused due to human activities and can result in major losses in land, air, soil and water resources.

Environmental Management: It is a system that incorporates processes for summarizing, monitoring, reporting, developing and executing the environmental policies. The aim of encouraging an environmental management system is to ensure the healthy state of our planet for future generations. It includes Environmental Impact Assessment, which is the process of evaluating the likely environmental impacts of a proposed project or development, taking into account inter-related socio-economic, cultural and human-health impacts, both beneficial and adverse. It also involves environmental legislation, which includes the laws and treaties set up for environmental protection. Remote sensing and GIS techniques are used to monitor land conditions, and statistical methods are used for keeping data and records.

REGISTRATION PROCESS & PAYMENT DETAILS

ELIGIBILITY

Faculty members (regular/adhoc/temporary) from Environmental studies and allied disciplines are eligible to apply for the course.

All those who meet the eligibility criterion are required to register and pay a **Non-Refundable fee of INR 1450/- by visiting rcmoocs.in**

REGISTRATION DEADLINE: 27th March, 2022

After successful registration & payment, the participants will receive a confirmation via email. Please keep checking the spam folder of the email as the bulk email sent may end up in the spam folder.

An official group has been made for communication with the participants on "**Telegram**." You are therefore requested to install the **Telegram** App either from the Play Store or App Store. The link to join the official group will be provided in the confirmation mail.

IMPORTANT:

- Registration is mandatory for participation.
- Attempting and submitting all the quizzes and assignments are mandatory, and each participant should score a **minimum of 50% in total** to avail of the programme completion certificate.
- Graded certificates on the basis of performance will be awarded to the participants.
- As part of the Ministry of Education's requirement under the PMMMNMTT scheme, all participants need to submit online feedback for each session.
- Failing to meet any of the above conditions will result in denial of a certificate of completion to the participants.
- **No Objection Certificate (NOC) or Leave is NOT REQUIRED to participate in the Programme.**



For further information, write to us at:

evsrfc@ramanujan.du.ac.in

ORGANISING BOARD OF THE PROGRAMME (RAMANUJAN COLLEGE, UNIVERSITY OF DELHI)

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