MAITREYI COLLEGE

CARBON FOOTPRINTING MAITREYI COLLEGE

Pioneer step to report and reduce Carbon emission

- The report highlights the current key emission sources of the college and sets a baseline data for setting up college -wide emission reduction targets for next Financial Years .
- Several recognized national and international standards have been referred for the computation of the footprint of the college.

INCUBATION CENTRE

SUMMER INTERNSHIP

IDEAS
TO
IMPLEMENTATION

24 research projects executed in 2017-18

17 projects : Humanities and Social Science

7 projects: Science Departments


Department of History
Summer Internship Project
TRIBES IN TRANSITION


With years of continuous socialisation,
discriminatory behaviour becomes so
internalised that it is seen as "normal"
among parents but also among their
Our research project explores this
aspect of Indian family and patriarchy-
at how parents discriminate among
children in
significant ways
this impac
as an individual.

Some Interesting Projects

- BIOPLASTICS : Green Alternative for Sustainable Development
- Impact of GST on Business and Service Industry
- Cost benefit analysis: Uber vs own cars
- Menstruation: taboos and tribulations - A study of attitudes, beliefs and related to menstruation among young women in urban India
- Role of social media in mobilising collective action against sexual violence: A case study of the '#metoo' movement in the context of India
- Physiochemical Analysis of drinking water

2018-19: 28 Projects

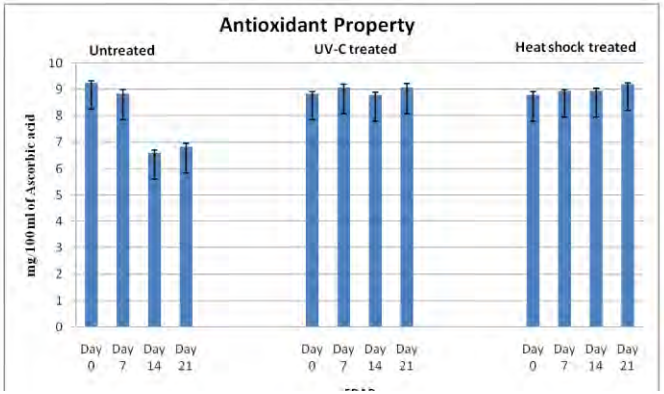
- Extraction of Oil from Waste
- Eco-friendly magnetic biopolymer Nanocomposites for removal of heavy metals from waste water
- Post harvest treatment for preserving antioxidant properties and total phenolic content of fruits and vegetables
- Women and Desire: Exploring Female Sexuality
- Polarization under populism in India: Political Parties and RWAs in post reforms in Delhi

IDENTIFYING POLLUTION SCAVENGING POTENTIAL OF PERENNIALS GROWING IN MAITREYI COLLEGE CAMPUS

Fig. 2: Students doing survey (A) for identification and collection of material (B) preparation of herbarium in botany laboratory.

- Preparation of database of trees and shrubs in Maitreyi College Campus
- 77 species (744 plants) located in different zones of Maitreyi
- Analysis of Air pollution tolerance Index (APTI)
- Majority of perennials either moderately tolerant or intermediate tolerant, making college campus a zone with less air pollution

Post harvest treatment for preserving antioxidant properties of fruits and vegetables



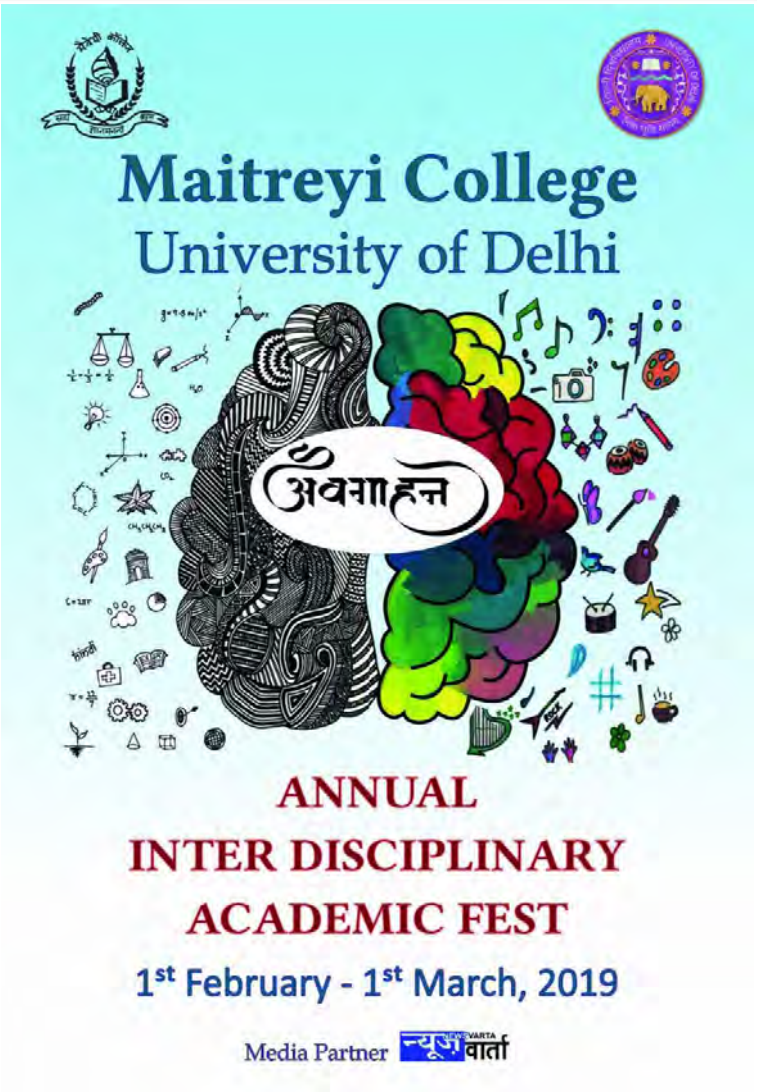
	DAY 0	DAY 7	DAY 14	DAY 21
UNTREATED				
UV-C TREATED				
HEAT SHOCK TREATED				

Fig. 1 a: Morphological Changes in litchi during course of treatment

MAGAZINES

Samvedna
Neeti: Economics
Dialectic: English
Maitreyi Kriti: Hindi
Sociologue: Sociology

AVGAHAAN



Department	Preliminary Round	Final Round
Botany	Botanical Sketching	Botanical Sketching
Chemistry	Quiz	
Commerce	Green Biz Plan	
Computer Science	Pseudocode Writing	Coding
Economics	Case Study Competition	Case Study Presentation
English	Micro Fiction	Micro Fiction
Hindi	Photo based Creative Writing	Hindi Adhyayan Pariksha
History	Quiz	Quiz
Physics	E-Poster	E-Poster Presentation
Political Science	Essay Writing	Essay Presentation
Punjabi	Photo based Creative Writing	Punjabi Adhyayan Pariksha
Mathematics	Quiz	Coding
Sanskrit	Quiz	Sanskrit Manthan
Sociology	Online Photography	Online Photography
Zoology	Debate	Debate

Towards self reliance
The "Start up" Projects

- GULISTAN
- KRITI
- SUGARY FROST
- STAYMENTOR
- DHRITI

The All Inclusive "Maitreyi Kutumb"

Embracing all and marching together

'SASHAKT' PwD Nodal Center

Training camp
Special Olympic players
SASHAKT PwD Nodal Center, Maitreyi College

One-week interdisciplinary Faculty Development Programme

"Disabilities Studies : Perspectives and Emerging Trends"

NSS INITIATIVES

- Associated with 5 villages : Organizing cleanliness drives and educating about waste management
- Associated with three old age homes
- Kids Carnival for slum children: Navoudit
- Swacchta Pakhwara

Maitreyi College Library

- SERVICES FOR DIFFERENTLY ABLED USERS
- PwD users:two softwares
  - ✓ JAWS (Screen reader software) with Lax Camera
  - ✓ Supernova (Screen reader software).
- College library has membership of Delhi University Braille Library.
- Through the User Name & Password, resources available in DU Braille Library can be accessed, downloaded or used by the differently abled users any where with the help of Internet.

START-UP PROJECT: URVARA

BY: DR. P. KAVITA
ASSISTANT PROFESSOR
DEPT. OF BOTANY

Towards acquiring one of the best practices of making college campus clean and green, a start-up project namely Urvara was launched in the month of July, 2019. The main objective of the initiative was to take care of all biodegradable waste generated in the college campus like garden and canteen waste which included cut grass, leaves, plants, peels of fruits and vegetables etc. To execute on it a team of 7 students was formed from Life Sciences IIIyr and IIyr on volunteer basis. Also, at times help from the gardeners of the college was taken.

The team collected the biodegradable waste and took account of it before processing it through fungal decomposition. This fungal decomposition took nearly one month to convert the biodegradable waste in to useful compost. Further, the compost samples were run through rapid tests to assess its quality.

Later the compost was sieved and packed in bags for sale @ Rs.20/kg. Till date nearly 120kgs of compost is sold within the college to students, non-teaching staff and faculty.