Unlocking the Potential of IoT: A Training-cum-Workshop on Internet of Things Applications and Innovations

National/International/Inter-University/State Level/College Level: College Level

Date : 13 June 2024

Name of the organizing Department/Society: SDC - Atharvan

Name of the convenor/coordinator of the event: Dr. Shikha Badhani

Resource Persons : Mr. Jagadeswaran. R (Enthu Technologies Ltd)

Total Number of the participants/beneficiaries : 34

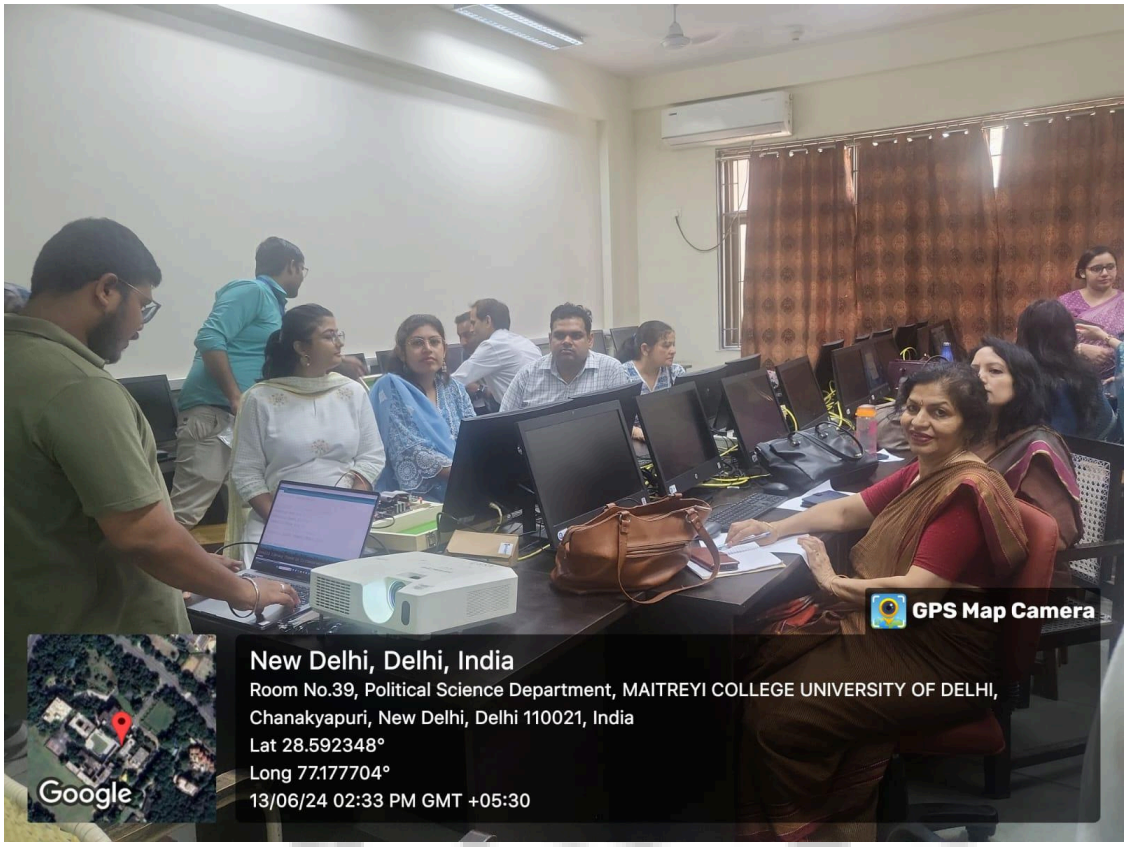
Number of the participants/beneficiaries from college: 34

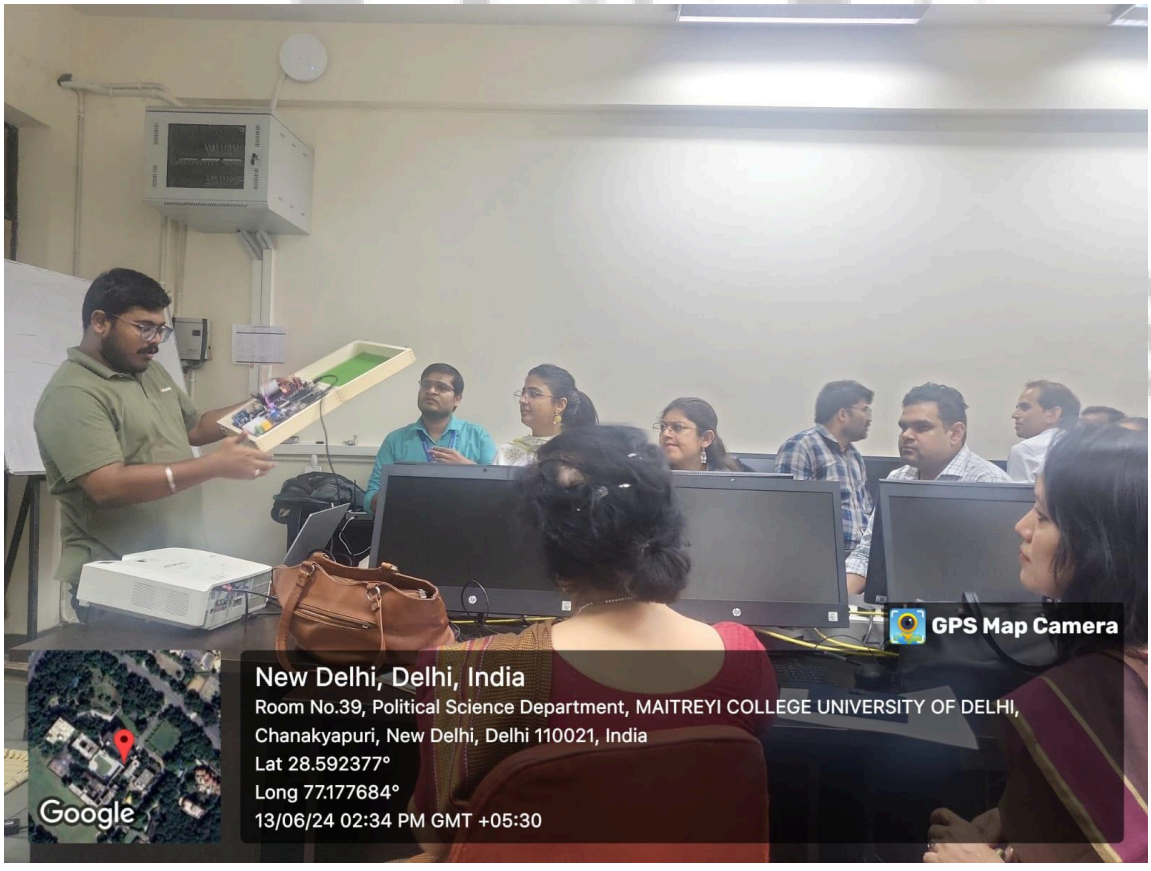
Atharvan, Skill Development Centre at Maitreyi College successfully organized its first event titled "Unlocking the Potential of IoT: A Training-cum-Workshop on Internet of Things Applications and Innovations" on 13 June 2024. The resource person was Mr. Jagadeswaran. R from Enthu Technologies Ltd. It was a very informative workshop as Mr. Jagadeswaran enlightened the audience with the basics of Internet of Things (IoT). IoT describes the network of physical objects—"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. Over the past few years, IoT has become one of the most important technologies of the 21st century. Now that we can connect everyday objects - kitchen appliances, cars, cameras - to the internet via embedded devices, seamless communication is possible between people, processes, and things. The workshop began with a word of appreciation by Dr. Shikha Badhani. The session saw an overwhelming response from faculty and non-teaching staff representing multiple departments.

Practical sessions were held on the newly purchased IoT kits and the participants performed many experiments on them under the guidance of the resource person.

Overall it was a very informative and interesting workshop that gave a first glance of IoT to various departments of our college.

Geotagged photographs of the event:


GPS Map Camera
New Delhi, Delhi, India
Room No.39, Political Science Department, MAITREYI COLLEGE UNIVERSITY OF DELHI,
Chanakyapuri, New Delhi, Delhi 110021, India
Lat 28.592348°
Long 77.177704°
13/06/24 02:33 PM GMT +05:30
Google


GPS Map Camera
New Delhi, Delhi, India
Room No.39, Political Science Department, MAITREYI COLLEGE UNIVERSITY OF DELHI,
Chanakyapuri, New Delhi, Delhi 110021, India
Lat 28.592377°
Long 77.177684°
13/06/24 02:34 PM GMT +05:30
Google

Feedback Analysis:

The link to the feedback form:

https://docs.google.com/spreadsheets/d/1jXFYTVtk6nYCt0y_oGp9m-QCE-2gn9-Fh-pucFMS0qY/edit?usp=sharing

List of participants:

S.No	Name of the Faculty/Non Teaching Staff	Department
1	Dr. Saurav Kumar	Mathematics
2	Dr. Rohtash Singh	Physics
3	Dr. Aastha Arora	Economics
4	Dr. Shweta singh	English
5	Dr Poonam Juneja	Physics
6	Dr. Arun kumar	Economic
7	Dr. Sonal Chauhan	English
8	Dr. Rinku Kumar	Physics
9	Dr. Tejendra Kumar	Zoology
10	Dr. Rimpi	Mathematics
11	Dr Simran Kaur	Mathematics
12	Ms. Shikha Sharma	Computer Science
13	Dr. Neha Baghel	Physical Education
14	Dr. Priyanka Tyagi	Botany
15	Dr. Ritu Dhingra	Physics
16	Ms. Indu Rawat	Computer Science
17	Dr. Durgesh Kumar	Chemistry
18	Dr. Dinesh Kumar	History
19	Dr. Neelima Ohri	Mathematics
20	Dr. Kamal Sharma	Botany
21	Dr Prajwalit Shikha	Physics

22	Dr. Geetan Manchanda	Mathematics
23	Mr. Roop Singh Meena	Chemistry
24	Dr. Karuna Yadav	Zoology
25	Dr. Mamta Pandey	Zoology
26	Dr. Avanish Kumar Shrivastav	Zoology
27	Dr. Varsha Chauhan	Mathematics
28	Dr. Renuka Yadav	Botany
29	Dr. Atika Chandra	Botany
30	Dr. Priyanka Sahni	Mathematics
31	Ms. Rupali Ahuja	Computer Science
32	Dr. Ramita	Commerce
33	Dr. Shweta Sankhwar	Computer Science
34	Dr. Ajay Khandal	History

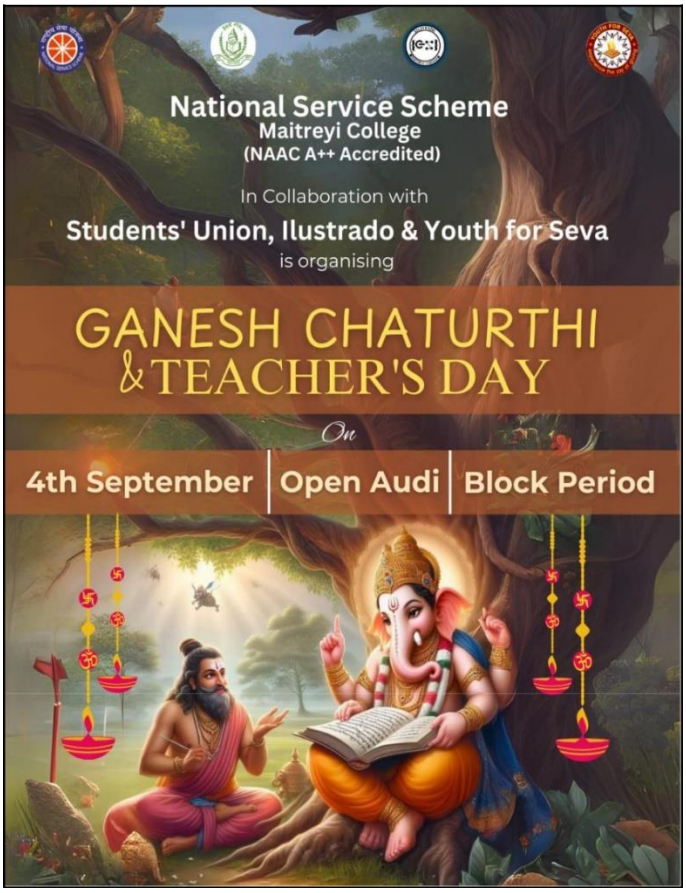
Signature of the Convenor

Dr. Shikha Badhani

Atharvan - SDC

Ganesh Chaturthi & Teacher's Day Celebration
Cultural College Level Event
Name of the organising society: Ilustrado, Department of Computer Science
Date: 4 September 2024
Coordinated by: Dr Manju Bhardwaj
Total number of participants: 83

On September 4th, Ilustrado. The society of the Computer Science Department, the NSS Team of Maitreyi College, in collaboration with Youth for Seva, organised a grand celebration of Ganesh Chaturthi and Teacher's Day in the Open Auditorium.



We celebrated Ganesh Chaturthi, By welcoming Bappa to our department.

On 11th September, the Sathapana of Lord Ganesha was done by the Teachers of Computer Science Department & On 13th September, the Visarjan of Ganpati Bappa was done by the President of Ilustrado, Shireen. The Aarti of Ganpati Bappa was performed by the students.

Ganesh Chaturthi was celebrated with devotion and joy, honouring Lord Ganesh. The event also included an idol-making activity, where beautiful Ganesh idols were crafted with clay by the college students. This hands-on activity allowed participants to connect with tradition and creativity. As part of the Teacher's Day celebration, a heartfelt tribute was paid to the guiding lights of our lives—our teachers. The Ganesh idols, crafted by the students, were accompanied by heartfelt notes of appreciation and distributed to the principal and teachers as a token of gratitude and respect.

The event fostered community spirit through creative activities and heartfelt tributes, reinforcing spiritual values and unity for Ilustrado. With strong participation and positive feedback, the celebration left a lasting impact on both students and faculty, highlighting the importance of coming together as a community.

(Dr. Manju Bhardwaj)
Department of Computer Science

Name of the Course- Python Programming
Short Term Course (30 hours Certificate Course)

Date & time: 15th January- 24th January, 2025, 9:00 AM - 1:00 PM

Organized By- Department Of Computer Science, Maitreyi College

Name of The Convenor- Dr Veena Ghuriani
Name of The Coordinator- Dr. Shweta Sankhwar

No. of participants: 13
No of participants (Faculty): 0
No of participants (Students) : 13

Name of The Resource Person/s- Dr. Manju Bhardwaj, Dr Veena Ghuriani, Dr. Shikha Badhani, Dr Jyotsna Talreja Wassan, Ms. Rupali, Dr. Shweta Sankhwar, Ms Shikha Sharma

Objectives of the Course- To teach the basics of the Python Programming Language.
This course is an Introduction to Python Programming language. The primary purpose of Python is Software Development. Python can be used to make web-applications at a rapid rate. Python is also used in the development of interactive games, Data Science and Data Visualization, Desktop GUI, Web Scraping Applications, Business Applications, CAD Applications. Python is used for analyzing statistical computations and algorithms. To develop these computations, one needs to know regular programming constructs like variables, data types, operators, loops, etc. Python is an interpreted, interactive, object-oriented programming language. It incorporates modules, exceptions, dynamic typing, very high level dynamic data types, and classes. Python has packages that encapsulates different categories of functionality in libraries (also called packages).

Details of Course:

- Eligibility is 10+2
- Mode (Online / Offline / Hybrid): Hybrid
- Schedule with Dates : 15th January- 24th January, 2025
- Module Developers : Department of Computer Science
- Mode of Assessment : Offline
- Details About Module : This course covered all the python programming basics as shown below Table:

Course Modules:

S.No.	UNIT	*Description*	*Duration*	*Name of the Resource Person*
1	*Introduction to Python Programming*	*Flowcharts*, Notion of an Algorithm, Data types, indentation, Identifier, keywords, arithmetic, relational and logical operators, Input- output Statements, Python IDE Installations	Day 1 (4 hours) 15 Jan, 2025 - Wednesday	*Ms. Rupali Ahuja*
2	*Creating Python Programs*	Conditional Statements and Loops.	*Day 2* (4 hours) 16 Jan, 2025 - Thursday	*Dr. Jyotsna Talreja Wassan*
3	*Data Structures*	*Strings, List, Sets, Tuples, nested list, Dictionaries.*	*Day 3* (4 hours) 17 Jan, 2025- Friday	*Dr. Manju Bhardwaj*
4	*Functions & Methods*	Defining Functions and methods	*Day 4 (4 hours)* 18 Jan, 2025 Saturday	*Dr. Shikha Badhani*
5	*Object Oriented Programming*	*Introduction to classes, objects and methods, Standard Libraries*	*Day 5* (4 hours) 20 Jan, 2025 Monday	*Ms. Shikha Sharma*
6	*File Handling, Exceptions and Errors*	*Default arguments, Errors and Exceptions, File Handling through Libraries*	*Day 6* (4 hours) 21Jan, 2025 Tuesday	*Dr. Veena Ghuriani*
7	*Advanced Python*	*Numpy, Pandas and MatPlotlib*	*Day 7 (4 hours)* 22 Jan, 2025 Wednesday	*Dr. Shweta Sankhwar*
8	*Assessment*	*All above Units*	*Day 8 (2 hours) 23 Jan, 2025*	*Dr. Shweta Sankhwar*
9	*Valedictory*	*Certificate Distribution*	*Day 9 24 Jan , 2025*	*All Faculties*

Poster-

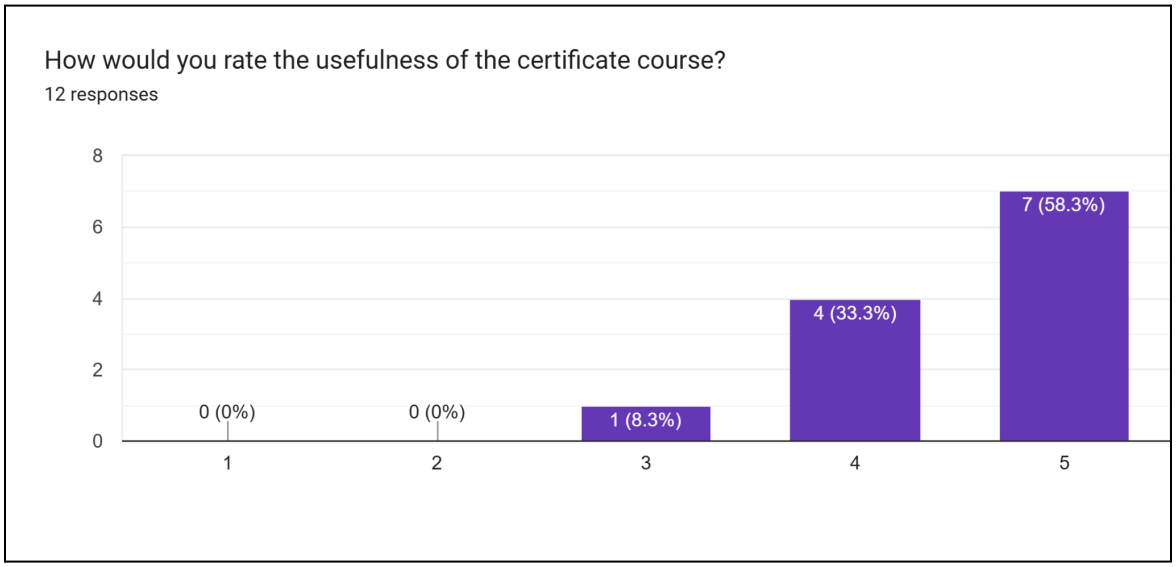
The Department of Computer Science
Maitreyi College
(Accredited grade 'A++' by NAAC)
University of Delhi
In collaboraton with
Short Term Courses Committee
(Under the aegis of IQAC)
Presents
30 Hours CERTIFICATE COURSE
ON
PYTHON PROGRAMMING
• JOB ORIENTED COURSE
• OPEN FOR STUDENTS/ RESEARCH SCHOLARS/FACULTY
• NO PRIOR KNOWLEDGE OF PROGRAMMING REQUIRED
• PRACTICAL SESSIONS
Dates: 15 - 24 Jan., 2025
Time: 9:00 AM - 1:00 PM
Fees: Rs. 1000/-
Venue: Maitreyi College
Scan to register!!
CONVENOR
DR.VEENA GHURIANI
ASSOCIATE PROFESSOR
DEPT. OF COMPUTER SCIENCE
COORDINATOR
DR.SHWETA SANKHWAR
ASSISTANT PROFESSOR
DEPT. OF COMPUTER SCIENCE
PATRON
PROF. HARITMA CHOPRA
PRINCIPAL
For any queries, mail us at technoupdate@maitreyi.du.ac.in

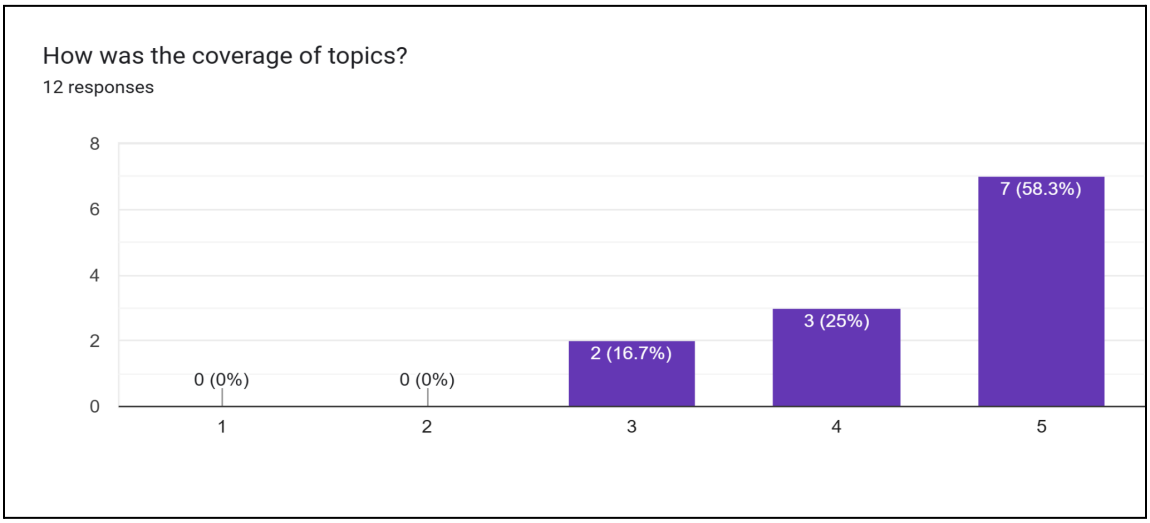
List of Participants:

S.No.	Name	Course	Sem.	College
1	M. Anushka Gupta	B.A.(H) English	V	Maitreyi College
2	Mr.Akshat Tanwar	BA. LLB Hons.	I	Guru Gobind Singh Indraprastha University
3	Ms. Khushi Kumari	B.Sc. Physical Science with Computer Science	III	Maitreyi College
4	Ms. Prachi Goswami	B.Sc. Physical Science with Chemistry	III	Maitreyi College
5	Ms. Niketa Barman	B.A.(H) History	IV	Maitreyi College
6	Ms. Khushi Agarwal	B.Sc(H) Mathematics	VI	Maitreyi College
7	Ms. Avleen Kaur	B.A.(H) Economics	III	Maitreyi College
8	Ms. Pragya Sagar Shandilya	B.A.(P)	II	Maitreyi College
9	Ms Antima Singh	B.Sc.(H) Zoology	IV	Maitreyi college
10	Ms.Pooja Kumari	B.Sc.(H) Zoology	IV	Maitreyi College
11	Ms.R.Iavanya	B.Com.(H)	VI	Maitreyi College
12	Ms. Khushi Singh	B.Sc. Life Sciences	IV	Maitreyi College
13	Ms.Hemakshi	B.Sc. Physical Science with Computer Science	IV	Maitreyi College

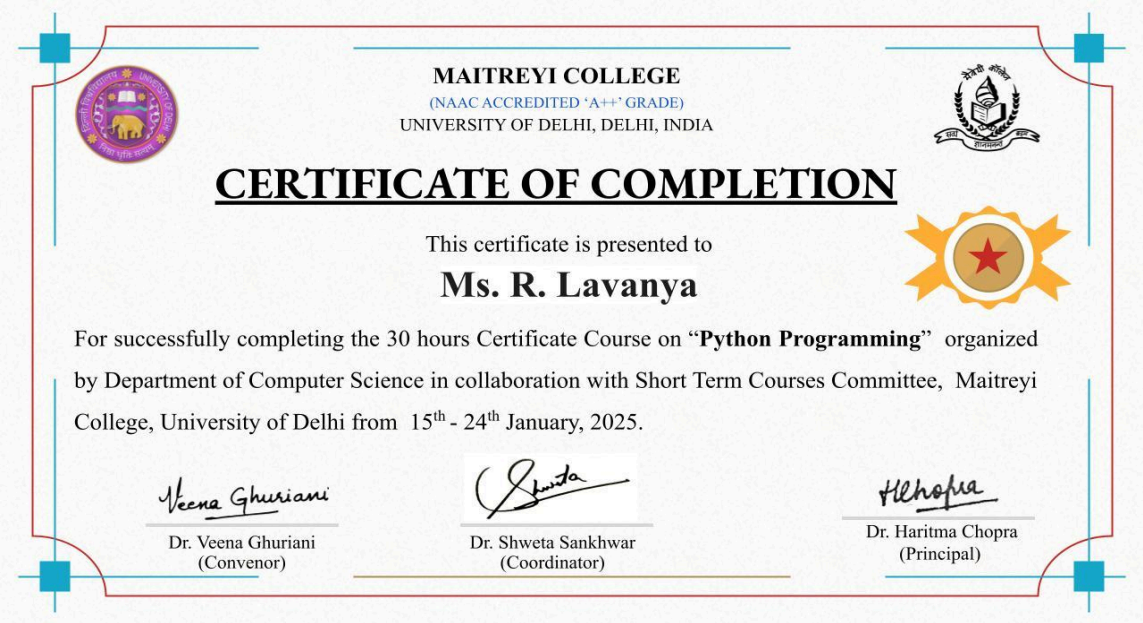
Glimpses of course-

Feedback Analysis:





Certificate of Completion



MAITREYI COLLEGE
(NAAC ACCREDITED 'A++' GRADE)
UNIVERSITY OF DELHI, DELHI, INDIA

CERTIFICATE OF COMPLETION

This certificate is presented to

Ms. R. Lavanya

For successfully completing the 30 hours Certificate Course on "**Python Programming**" organized by Department of Computer Science in collaboration with Short Term Courses Committee, Maitreyi College, University of Delhi from 15th - 24th January, 2025.

Dr. Veena Ghuriani
(Convenor)

Dr. Shweta Sankhwar
(Coordinator)

Dr. Haritma Chopra
(Principal)

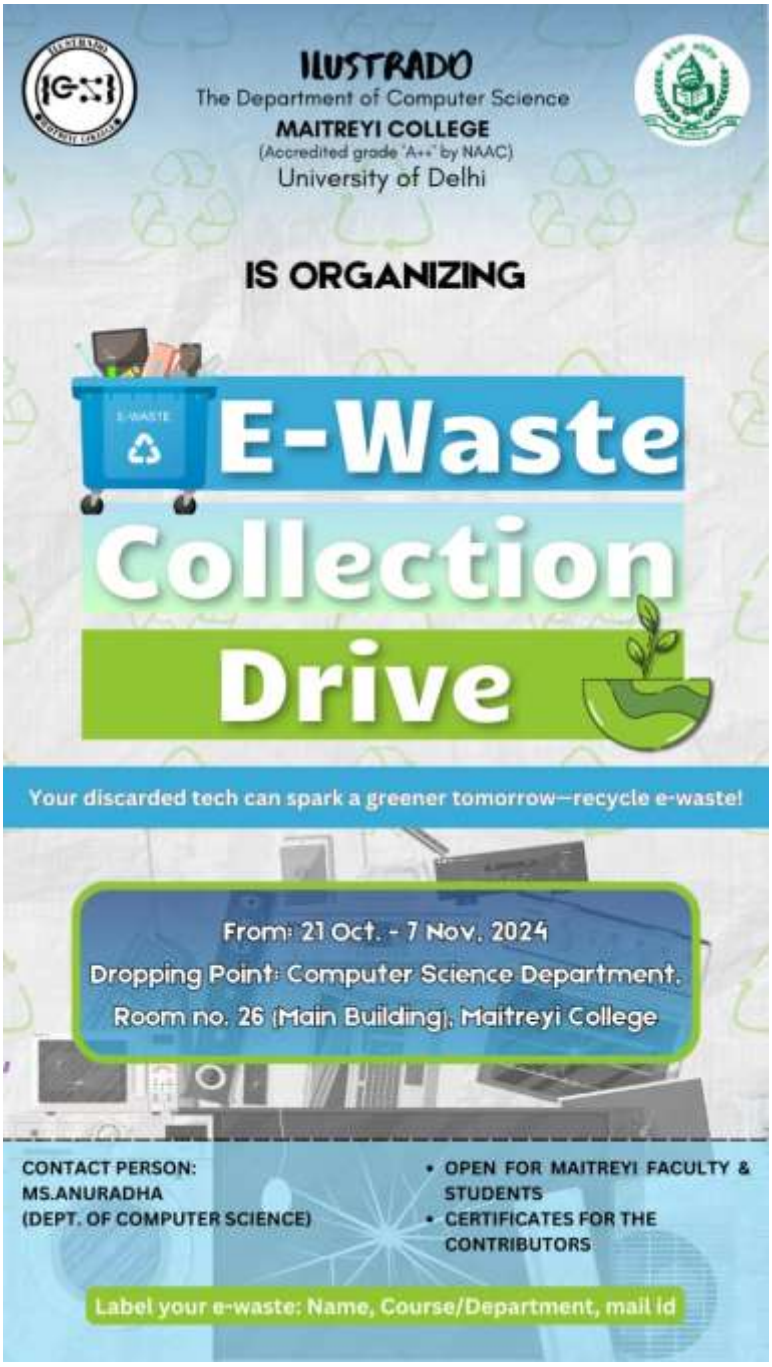
Convenor
Dr. Veena Ghuriani

Coordinator
Dr. Shweta Sankhwar

Report on

E-waste Collection Drive

Organised by: Ilustrado, the Department of Computer Science, Maitreyi College
Duration: 21 October to 7 November, 2024
Venue: Maitreyi College



Introduction:

Ilustrado, the Computer Science Department of Maitreyi College organized an E-Waste Collection Drive aimed at promoting responsible disposal of electronic waste (e-waste) within the college community. The drive encouraged students, faculty, and other members to contribute by donating various types of old electronic items, including broken laptops, earphones, remotes, and other gadgets, which would be sent for recycling. The drive continued for around 17 days. Faculty members and students donated the e-waste items during the drive. The e waste was handed over to EWRI for recycling.

Participants:

S No.	Name	Course/Dept	E-waste items	Quantity
1	Dr. Veena Ghuriani	Computer Science	Laptop Battery	1
2	Draksha singh	B.Sc.(H) Physics	Mobile Phone	1
			Hard disk	1
			Bluetooth Camera	1
			Remote	1
			Cables & Wires	10
			Battery backup	1
3	Abhishek Khurana	Comp Sc	Iphone 3G	1
			Nokia Charger	1
			Adapter	1
			Airtel 4G Hotspot	1
4	Rupali Ahuja	Comp Sc	HDMI cables	3
			VGA cables	2
			Telephone cable	1
			Audio video cable	8
			Wireless Keyboard	1
			Wireless Mouse	1
			LG Music System	1
			Speakers	2

			Cables(RJ 45), Audio/Video USB Cable	10
			TV Remote	1
			Video Game	1
			Mobile Charger Cable	5
5	Prof Ritu Dhingra	Physics	Headphone	2
			UPS	1
			Modem	1
			Laptop Charger	1
			Phone Charger	1
			Mobile Phone	3
6	Dr. Atika Chandra	Botany	Old pencil cells	10
			Charging cable	1
7	Dr. Shweta Sankhwar	Comp Sc.	CD ROMs	40
			4 in 1 speakers	5
			LED wall lights	1
8	Dr. Prachi Bagla (Retired)	Commerce	CD Player	1
			Cables	5
			Web Camera	1
			Wi-fi Modem	2
			Remote	4
			Cell Phone	1
			Battery	1
9	Department of Computer Science		Keyboards	9
			Mouse	5

Outcome: The E-Waste Collection Drive received overwhelming support from the college community, with a substantial amount of e-waste collected, including broken laptops, earphones, remotes, and various electronic devices. The enthusiastic participation of students, faculty, and other members underscored the collective commitment to environmental sustainability. The drive contributed to raising awareness about

the environmental impact of e-waste and the importance of recycling. Two members from EWRI visited the college to felicitate the faculty members and hand over the certificate of recycling.

Certificate of Recycling:

Reg. No 7901022EW14496969, 31/12/2021

Certificate Number: 7335/2024
Issued Date: 05.12.2024

www.EWRI.in
Customer Care: 91-11-4000 0000

E-Waste Recyclers India

Government Authorized
ISO 9001:2015 & 14001:2015/ OHSAS-ISO 45001: 2018

CERTIFICATE OF DESTRUCTION

Dear Associate to our Green Earth program

This is to certify that e-waste received from Maitreyi College (University of Delhi)

Address: Bapu dham, Chanakyapuri, New Delhi 110021

has been disposed off in an environment friendly manner.

Description: E-Waste

Weight: 16 Kg MRN/EWRI No: 266/8341 and 266/8342, Dated:- 18.11.2024

We thank you for your efforts in contributing to a Green Environment.

Authorized Signatory
EWRI

Works Manager
EWRI

Registered Care

CB-035-MS

FACILITY : E-50 UPSIDC, KOSI KOTAWAN, DISTT.MATHURA - 281403 (U.P) Toll Free:-1800-102-5679 / Customer Care:-011-4000-0000
ewaste@ewri.in www.ewri.in

Veena Ghuriani

(Dr. Veena Ghuriani)
Convenor