



## ANNUAL PROGRESS REPORT FOR SDG 10 – 2024



### 17.3.10. University publishes progress against SDG 10

Sustainable Development Goal 10 aims to reduce inequality within and among countries. It focuses on ensuring equal opportunities for all, regardless of age, gender, disability, race, ethnicity, origin, religion, or economic status. SDG 10 promotes social, economic, and political inclusion by advocating for fair policies, improved access to resources, and the empowerment of marginalized groups. It also encourages international cooperation and equitable economic growth. By addressing disparities and promoting inclusion, SDG 10 works toward creating a more just, fair, and cohesive global society where no one is left behind.

SPIHER takes proactive steps to bridge gender inequalities on campus. Through initiatives like gender sensitization workshops, women's empowerment programs, and career guidance for female students, SPIHER aims to reduce gender-based disparities and empower women to take leadership roles in their chosen fields. The institution also maintains a safe campus policy that supports the well-being of all students, particularly female students, by providing counselling services and promoting awareness about gender rights.

#### **Awareness campaign for eliminating gender based violence**

An awareness campaign on eliminating gender-based violence was organized to promote equality, safety, and dignity for all individuals. In alignment with SDG 10: Reduced Inequalities, the campaign aimed to address the social and structural inequalities that contribute to discrimination and violence against vulnerable groups.

The program highlighted the impact of gender-based violence on individuals and communities, emphasized the importance of equal rights, and encouraged participants to advocate for inclusive and respectful environments. Through discussions and awareness materials, the campaign promoted the need for stronger support systems, legal protection, and community participation to eliminate inequalities and ensure that everyone has equal opportunities to live free from violence.

**St. Peter's Institute of Higher Education and Research**  
[Deemed to be University under section 3 of UGC Act 1956]  
AICTE Approved & NAAC Accredited Avadi, Chennai - 600 054  
[www.spiber.ac.in](http://www.spiber.ac.in)

**DEPARTMENT OF CHEMISTRY & NSS**  
*Organizes*

**AWARENESS CAMPAIGN FOR  
 ELIMINATING GENDER BASED VIOLENCE**

**December 5, 2024**

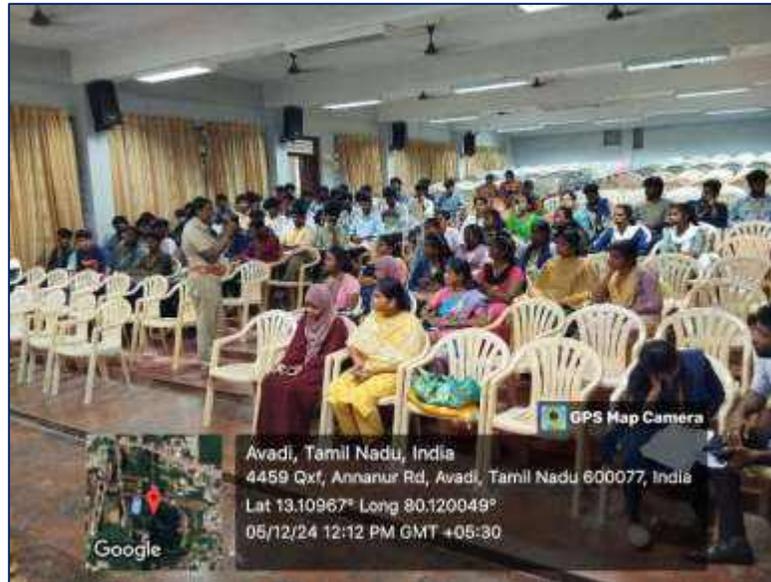
Venue: Main Block Seminar Hall Time: 10 a.m to 1.00 p.m

INVITED SPEAKERS	TOPICS COVERED
<b>Ms.C.Kokila</b> Sub Inspector of Police Avadi, Chennai	<b>Awareness on Drug Abuse</b>
<b>Ms.V.Saroja</b> Sub Inspector of Police Avadi, Chennai	<b>Lecture on Gender Equality</b>
<b>Ms.S.Kavitha</b> Sub Inspector of Police Avadi Commissionerate Chennai	<b>Awareness on Sexual Harassment Act 2013 POCSO Act 2012 and Upholding Dignity of Women and Girls</b>
<b>Ms. Muthukumari</b> Sub Inspector of Police Avadi Commissionerate Chennai	<b>Seminar on Elimination of Violence against Women</b>
<b>Convener</b> <b>Dr.Sayeeda Sultana</b> HoD/Chemistry	<b>Coordinator</b> <b>Dr.P.Periyasamy</b> NSS Coordinator

**Programme Brochure**



**Vice Chancellor felicitating the Chief Guest**



**Chief Guest addressing the gathering on violence against women**



**Invited speakers with Vice Chancellor, Dean (Arts and Science) and others**



## Public Links

<https://www.instagram.com/reel/DDWein1xTPV/?igsh=aHlnajN1NXlyY2Z0>

<https://www.facebook.com/share/v/eHmEB8yuzEV03zvp/>

[https://www.linkedin.com/posts/spiherchennai\\_genderequality-endviolence-womenempowerment-activity-7271808880433623040-qC9v?utm\\_source=share&utm\\_medium=member\\_android](https://www.linkedin.com/posts/spiherchennai_genderequality-endviolence-womenempowerment-activity-7271808880433623040-qC9v?utm_source=share&utm_medium=member_android)

[https://x.com/SpiherIndia/status/1866043418901946409?t=nNI7c\\_-sCSha6Obj-cLrlg&s=19](https://x.com/SpiherIndia/status/1866043418901946409?t=nNI7c_-sCSha6Obj-cLrlg&s=19)

## Research Article published under SDG 10

1. Bangash SA, Fajjue DD, Shah SS, Ahmad S, Petkov I, Ganesh EN. Exploring Vocal Challenges In Individuals With Parkinson's Disease: Insights From The Social And Family Sphere. *Journal of Advanced Zoology*. 45, 2023; 269-276.



**Journal of Advanced Zoology**

ISSN: 0253-7214

Volume 45 Issue 5-2 Year 2023 Page 269-276

### Exploring Vocal Challenges In Individuals With Parkinson's Disease: Insights From The Social And Family Sphere

Sudhair Abbas Bangash<sup>1\*</sup>, Darlington David Fajjue<sup>2</sup>, Dr. Syed Sikandar Shah<sup>3</sup>, Sans Ahmad<sup>4</sup>, Iliya Petkov<sup>5</sup>, **Dr.E.N.Ganesh<sup>6</sup>**

<sup>1</sup>Faculty of Life Science, Department of Pharmacy, Sarkat University of Science and Information Technology, Peshawar, Pakistan, Email: sudhair\_sir@suiit.edu.pk

<sup>2</sup>Access Global Health Consultant, Department of Health and Sports Sciences, University of Suffolk, United Kingdom, Email: darlington.fajjue@acesglobe.com

<sup>3</sup>Assistant Professor, Department of Clinical Pharmacy and Pharmacology, RAK College of Pharmacy, Ras Al Khaimah Medical and Health Sciences University, UAE, Email: syed.sikandar@rakmcu.ac.ae

<sup>4</sup>MBBS, Sub Investigator and Study Coordinator- research, Time Organization- Baltimore RMCH, India, Email: sansalTahmad@gmail.com

<sup>5</sup>Sofia Medical University, Department of Neurology, Bulgaria, Email: petkoviya84@gmail.com

<sup>6</sup>Research and Development, Department of ECE, SPIHER Chennai, India, Email: engazer450@gmail.com

\*Corresponding author: Sudhair Abbas Bangash

<sup>1</sup>Faculty of Life Science, Department of Pharmacy, Sarkat University of Science and Information Technology, Peshawar, Pakistan, Email: sudhair\_sir@suiit.edu.pk

#### Abstract

**Background:** Parkinson's disease (PD) is a multifaceted neurodegenerative condition manifesting in adulthood, characterized by a spectrum of motor and non-motor symptoms. The alteration in the voice of individuals with PD can significantly impact their communication dynamics with the surrounding environment, influencing the perceptions of those around them.

**Objective:** This study aims to assess the perception of vocal difficulties in individuals with Parkinson's disease from the perspective of their socio-family environment.

**Methodology:** A cross-sectional descriptive observational study was conducted involving 17 relatives of individuals with Parkinson's disease, comprising family members and friends acting as primary caregivers in the city of Lahore. Data were collected through in-person surveys, utilizing an adapted version of the VHI-30 questionnaire.

**Results:** Of the participants, 71.2% were aged over 40, with 76.5% being women, and spending more than 5 hours daily with their family members afflicted by PD. A significant 76.4% acknowledged a specific impact related to vocal difficulties in their PD-affected family member, considering functional, physical, and emotional criteria. Within this group, 29.4% reported mild to moderate difficulties, while 47% reported severe to very severe difficulties.

**Conclusion:** Family members and caregivers exhibit varying degrees of perception regarding the vocal challenges faced by individuals with Parkinson's disease. Recognizing the impact on functional, physical, and emotional aspects is crucial. Inclusive therapeutic interventions that involve

- ST A, Amarnath RN, Gopi B, Selvakumar R, Ganesh EN, Sujatha S. IoT-embedded smart clothing with CNN for improved spatial awareness in the visually impaired. In 2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI) 2024 Aug 28 (pp. 449-454). IEEE.

### IoT-Embedded Smart Clothing with CNN for Improved Spatial Awareness in the Visually Impaired

**Publisher:** ICCC [View This](#) [PDF](#)

**Author:** S.T. Revanatha Narasimh, B. Gopi, R. Selvakumar, Ch. Ganesh, S. Sujatha - [All Authors](#)

**Citations:** 100 [Full](#) [Text Views](#)

**Abstract:**  
 Smart clothes that detect the presence of Things (IoT) and convolutional neural network (CNN) technologies provide a new approach to helping the vision impaired with spatial awareness. This article presents a system that uses IoT sensors built into the fabric to get real-time location, orientation, and other environmental data. Using a CNN architecture, this data is processed to provide laser feedback through tactile or auditory signals, allowing visually impaired individuals to navigate their environment more effectively. The efficacy of this technology was assessed by comprehensive user trials, which showed significant improvements in movement and spatial awareness. IoT smart clothes with CNN help visually impaired people feel more confident and independent by giving them real-time input about their environment. A new possibility for assistive technology is demonstrated by how wearable technology may help the visually impaired. This technique improves spatial awareness and encourages accessibility in the design of assistive devices by seamlessly integrating IoT and CNN technologies into ordinary clothing.

**Published in:** 2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI)

**Date of Conference:** 28-30 August 2024 **DOI:** 10.1109/OyG2024.2024.10390040

**Date Added to ICCC Xplore:** 01 October 2024 **Publisher:** ICCC

**ICCV Information:** [Conference Location:](#) Coimbatore, India

**Keywords:**  
 IoT, convolutional neural network, smart clothing, spatial awareness, visually impaired, CNN, IoT sensors, tactile feedback, auditory signals, real-time location, orientation, environmental data, CNN architecture, user trials, spatial awareness, movement, confidence, independence, assistive technology, wearable technology, accessibility, design of assistive devices, IoT and CNN technologies, ordinary clothing.

**Authors:**  
 S.T. Revanatha Narasimh, B. Gopi, R. Selvakumar, Ch. Ganesh, S. Sujatha

**Keywords:**  
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## REPORT ON SEMINAR ON EMPOWERING THE NEXT GENERATION HELD ON 05.09.2024

**St. PETER'S**  
 INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(DEEMED TO BE UNIVERSITY U/s 3 OF THE UGC ACT 1956)  
NAAC Accredited, AICTE Approved and ISO 9001:2015 Certified

**Women Empowerment Cell**  
 In Association with IQAC

Cordially invites you all for the Seminar on

**Empowering the Next Generation**

6<sup>th</sup> September 2024 | 10.30 am | Main Block Seminar Hall

**Resource Person**  
**Ms. Mahalakshmi Saravanan**  
 Founder - Women Entrepreneurs India  
 2x International Award Winner / Honoured  
 with an ISRO-PSLV memento 1200 by  
 ISRO IPRC - Mahendragiri / TEDx Speaker /  
 Social Entrepreneur

**Presidential Address**  
**Dr. N. Malmurugan**  
 Vice Chancellor, SPIHER

**Felicitation**  
**Dr. L. Mahesh Kumar**  
 Registrar, SPIHER

**Maj. Dr. M. Venkatramanan**  
 Dean - FASCMH, SPIHER

**Convenor**  
**Dr. Sayeeda sultana** Professor & Head - Chemistry, SPIHER  
**Dr. R. Rani Hemamalini** Director - IQAC, SPIHER

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Women Empowerment Cell in association with IQAC organized a Seminar on **EMPOWERING THE NEXT GENERATION** for the students on 6<sup>th</sup> September 2024. The

objective of the seminar is to create awareness on emerging job opportunities and career advancements among the students to contribute to society's improvement. The Invited Speaker **Ms.Mahalakshmi Saravanan, Founder-Women Entrepreneurs India** explained the need to empower the younger generation to explore new avenues for making progress in employment and entrepreneurship. The outcome of this seminar is to help the students learn and understand the emerging placement and startup scenario. The session was informative for the students and the seminar was attended by nearly 120 participants.



## SEMINAR ON EMPOWERING THE NEXT GENERATION

## REPORT ON SEMINAR ON PERSONALITY DEVELOPMENT, EMOTIONAL INTELLIGENCE AND MENSTRUAL HYGIENE HELD ON 29.08.2024

**WOMEN EMPOWERMENT CELL**  
in Association with IQAC  
Cordially invites you all for the Seminar on

**PERSONALITY DEVELOPMENT,  
EMOTIONAL INTELLIGENCE  
AND MENSTRUAL HYGIENE**

29<sup>th</sup> August 2024  
11.30 am

EEE Block Seminar Hall

**Invited Speaker**  
**KRISHNAVENI V.K**  
Certified Master Trainer from  
Synergy School of Business Skills  
(Division of CADD Centre)

**Advisor**  
**Maj. Dr. M. Venkatramanan**  
Dean - FASOMH  
SPIHER

**Convener**  
**Dr. Sayeeda Sultana**  
Coordinator  
Women Empowerment Cell

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### Programme Brochure

Women Empowerment Cell in association with IQAC organized a Seminar on **PERSONALITY DEVELOPMENT, EMOTIONAL INTELLIGENCE AND MENSTRUAL HYGIENE** for the women students on 29th August 2024. The main objective of the seminar is to explain about the importance of Emotional Intelligence in Personality development and to increase the awareness among adolescent girls on Menstrual Hygiene. Dr. Sayeeda Sultana, Professor, Department of Chemistry and Convener welcomed the participants. The Invited Speaker **Ms. K.A. Krishnaveni, Certified Master Trainer from Synergy School of Business Skills (Division of CADD Centre)** conducted the session on Personality Development and Emotional Intelligence and motivated students for their self-development which enables them to achieve individual goals and succeed in life. Then the Speaker explained the importance of Menstrual Hygiene that

helps in maintaining personal hygiene. The session was informative for the students. The seminar was attended by 56 participants.



## SEMINAR ON PERSONALITY DEVELOPMENT, EMOTIONAL INTELLIGENCE AND MENSTRUAL HYGIENE

## Report on Seminar on Personality Grooming, Mental Well-being and Human Trafficking-Modern Day Slavery Held on January 31, 2024

**WOMEN EMPOWERMENT CELL**  
In Association with IQAC  
Cordially invites you all for the  
Workshop on  
**PERSONALITY GROOMING,  
MENTAL WELL BEING & HUMAN TRAFFICKING  
– MODERN DAY SLAVERY**

**RESOURCE PERSON**  
**Dr. Swathi Praveen**  
Dentist, Mental Health Counsellor,  
Psychotherapist, Soft Skill Trainer, Life Coach,  
Career Guidance Coach, NLP Practitioner,  
Post and Pasco trainer

📅 31.01.2024  
🕒 10.00 am  
📍 Main Block Seminar Hall

**CONVENOR**  
**Dr. Sayeeda Sultana**  
Prof & Head/Chemistry

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### Programme Brochure

A Seminar on Personality Grooming, Mental Well being and Human Trafficking-Modern Day Slavery was organized by Centre for Women Empowerment in Association with IQAC, SPIHER on 31.01.2024. The main objective of the Seminar is to create awareness among girl students and Women Faculty about the mental health problems – including depression, anxiety and post-traumatic stress disorder that are prevalent among trafficked people and to overcome the same by Personality Grooming and Mental Well-being.

The Seminar started with the Welcome address followed by Felicitation by the IQAC Director Dr.R.Rani Hemamalini, Professor and Head of EEE department. The Resource Person, Dr.Swathi Praveen, Dentist, Mental Health Counsellor, Psychotherapist, Soft Skill Trainer, Life Coach, Career Guidance Coach, NLP Practitioner insisted the

importance of Mental grooming which always makes us to stay positive. She quoted that “A boost in self-esteem will allow each one of us to be more comfortable in turn, enabling our true personality to come out and shine”. The Speaker also explained how to overcome stress disorder that is prevalent among trafficked people and to overcome the same by Personality Grooming and Mental Well being.

The session was very informative and attended by 151 participants. The program came to an end with National Anthem



## **Seminar on Personality Grooming, Mental Well being and Human Trafficking -Modern Day Slavery**





- IKS encompasses diverse fields such as Ayurveda, yoga, art, and philosophy.
- This FDP can educate participants on sustainable practices, emphasizing environmental stewardship.
- It can serve as hubs for research and documentation, helping to archive valuable knowledge that might otherwise be lost.
- This FDP offer opportunities for cultural exchange, allowing participants to learn from one another and appreciate the diversity within India's knowledge systems.
- This Program, aims to bring the role in revitalizing and disseminating the rich tapestry of knowledge inherent in the Indian Knowledge System, fostering a deeper understanding and appreciation of its contributions to society.

**Date(s): 30<sup>th</sup> September-5<sup>th</sup> October 2024**

**Duration: Five Days**

**No. of Participants joined: 30**

### **RESOURCE PERSONS**

- Dr. B. Ramanathan, Managing Director, ACE International Pte Ltd, Singapore.
- Dr.C.U.Tripura Sundari Faculty in Finance, Quantitative Finance Program, Department of Statistics. Pondicherry University, Pondicherry, India.
- Ms. Revathy Balakrishnan, Associate Director, Department of student Affairs, SRM University, Andhra Pradesh, India.
- Dr. S.pari, Professor,( Retired) Siddha Doctor, Salem,Tamil nadu, India.
- Dr.Leena Singh,Associate professor, Department of Environmental Sciences KMC Delhi University,India.

### **Day-01**

**Inaugural session: 01:30 p.m - 02:30 p.m**

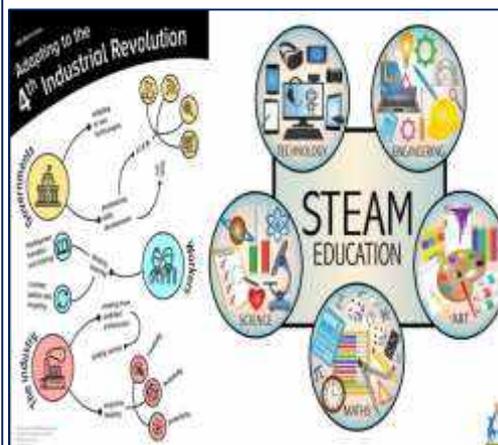
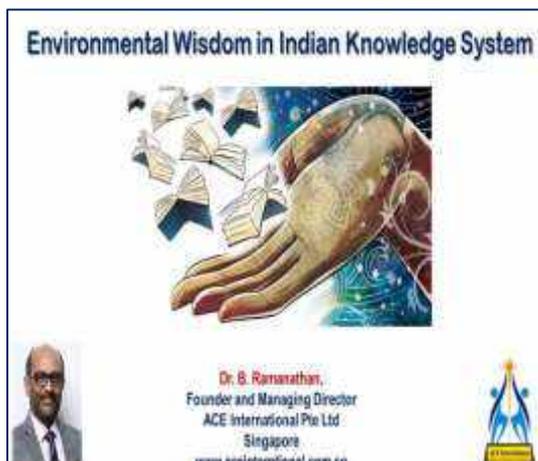
The Inaugural session started with invocation. Dr.Sayeeda Sultana, Convenor welcomed all the participants and briefed about the objective of the program and gave her best wishes for great success of the FDP program. The Chief Guest

Dr.B.Ramanathan, Managing Director, ACE International PTE Ltd, Singapore delivered the Importance of IKS and wished all the participants for the successful event though online mode.

**Speaker: Dr.B.Ramanathan**

**Title: Environmental Wisdom in Indian Knowledge System.**

The Speaker Dr.B.Ramanathan, Managing Director, ACE International PTE Ltd, Singapore explained that Indian knowledge systems have long been known for their deep integration of environmental wisdom, rooted in ancient texts, practices, and philosophies.



**Day 01 Lecture Session Photograph**

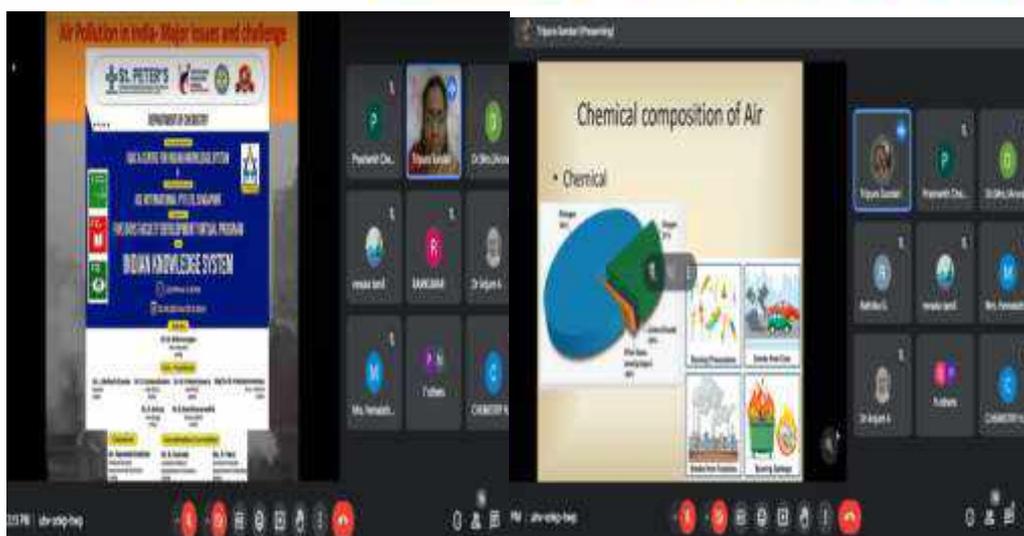
**DAY 02**

**Time :2.00 p.m - 3.00 p.m**

**Speaker: Dr.C.U.Tripura Sundari, Faculty in Finance, Quantitative Finance Program, Department of Statistics,Pondicherry University, Pondicherry, India**

**Topic: Air pollution in India- Major Issues and Challenges**

The Speaker Dr.C.U.Tripura Sundari, Faculty in Finance, Quantitative Finance Program, Department of Statistics,Pondicherry University, Pondicherry explained the Chemical Composition of Air pollution that includes a variety of harmful substances that damages the environment.



## Day 02 Lecture Session Photograph

### DAY 03

**Time :2.00 p.m - 3.00 p.m**

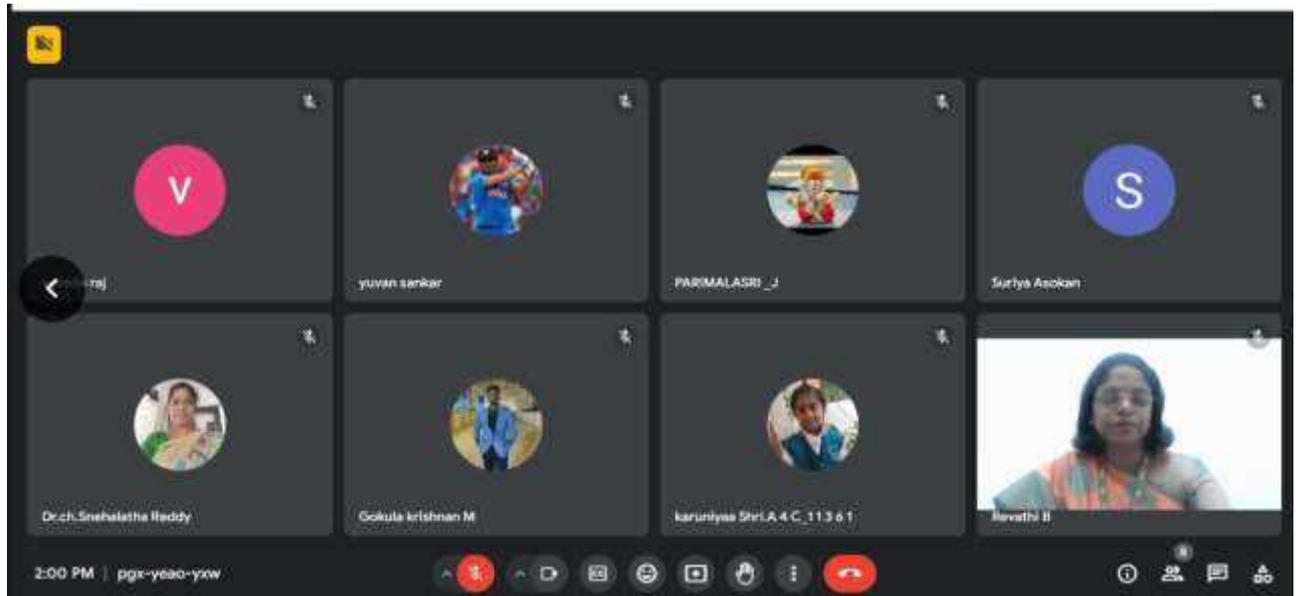
**Speaker: Ms. Revathy Balakrishnan, Associate Director, Department of student Affairs, SRM University, Andhra Pradesh, India.**

**Ms. Revathy Balakrishnan gave a special lecture about chanakya's concept for Personality Development.**

**Topic: Chanakya's concept of personality development.**

The Speaker Ms. Revathy Balakrishnan, Associate Director, Department of student Affairs, SRM University, Andhra Pradesh discussed about the Chanakya, an ancient

Indian philosopher and strategist who emphasized several keys principle for personality development.



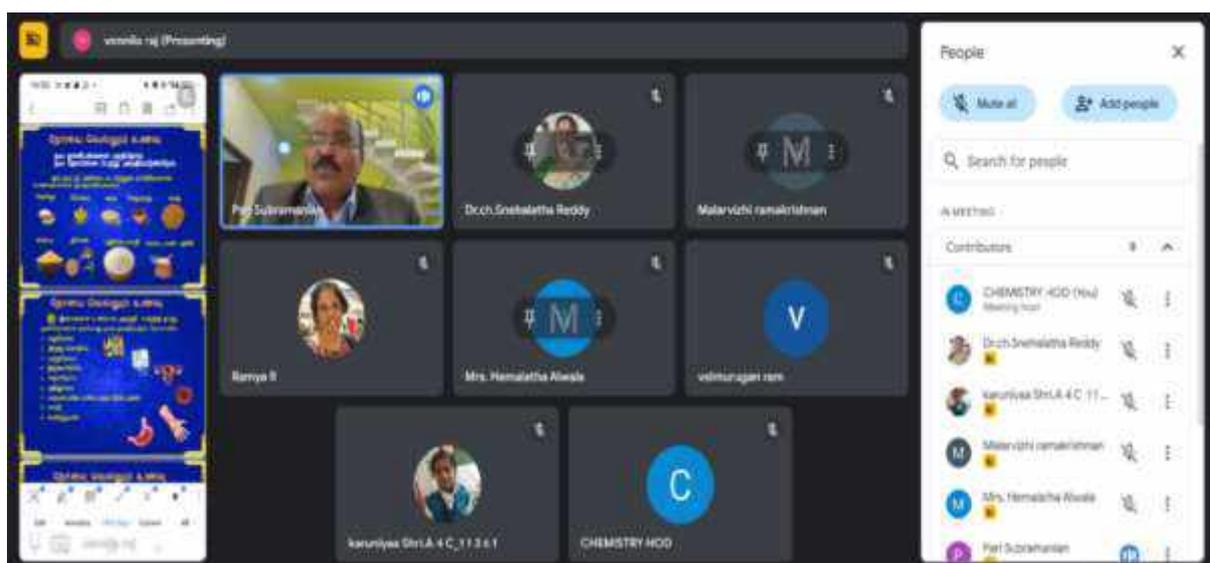
**DAY- 03 Lecture photos**

## **DAY 04**

**Time :2.00 p.m - 3.00 p.m**

**Speaker: Dr. S.Pari, Professor,(Retired) Siddha Doctor, Salem,Tamil nadu, India.**

The Speaker Dr. S.Pari, Professor,(Retired) Siddha Doctor, Salem,Tamilnadu demonstrated the Importance of Ayurveda, an ancient Indian system of medicine that can be very useful to us in our fast-paced modern lives over other methods of treatment.



Day 04 Lecture photos

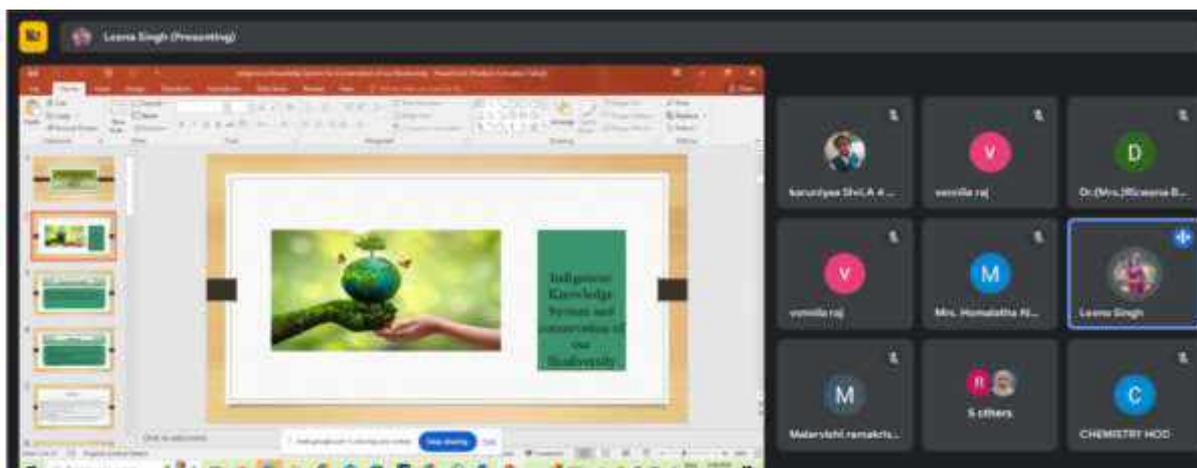
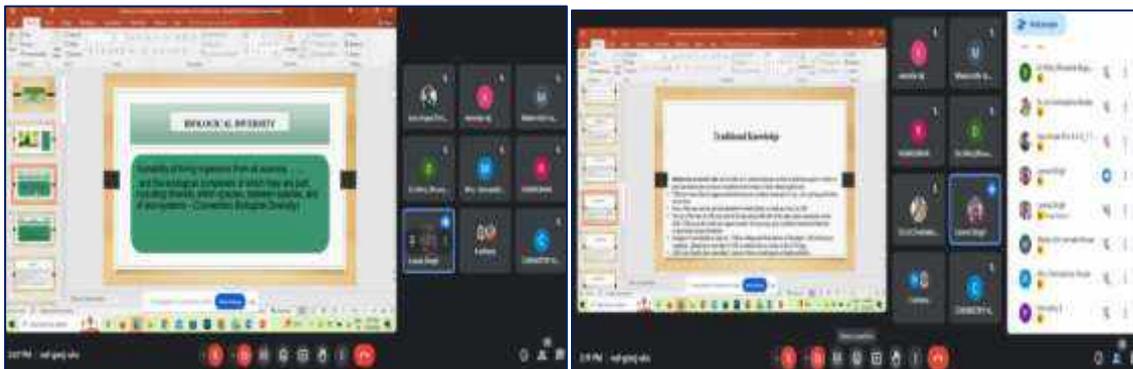
## DAY 05

**Time :2.00 p.m - 03.00p.m**

**Speaker: Dr.Leena Singh, Associate professor, Department of Applied Sciences(Environmental Sciences),Galgotia College of Engineering and Technology,UP, India.**

**Topic: Combining Indigenous Knowledge System for Conservation of Our Biodiversity.**

The Speaker Dr. Leena Singh, Associate professor, Department of Applied Sciences (Environmental Sciences), Galgotia College of Engineering and Technology, UP, India insisted that the value of the knowledge-practice-belief complex of indigenous peoples relating to conservation of biodiversity will be fully recognized provided the entire ecosystems and biodiversity are managed sustainably.

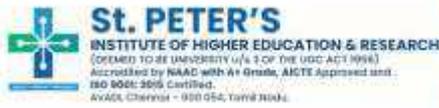


Day 05 Lecture photos

**VALEDICTORY FUNCTION:** Dr. Sayeeda Sultana gave conclusive remarks and put forward summary of 5-day FDP towards gaining knowledge on IKS. In the end, she conveyed her sincere thanks to all the participants for making the FDP successful. Finally, the program ended with National Anthem.

**FEEDBACK FROM PARTICIPANTS**





## Conclusion:

In conclusion, the initiatives undertaken under SDG 17.3.10 reflect the institution's commitment to strengthening global and national partnerships that directly enhance human well-being. By actively engaging in collaborative programmes, joint projects, and shared resource mechanisms, the institution ensures that knowledge, expertise, and support flow seamlessly across sectors and borders.

These coordinated efforts help create meaningful opportunities for students, faculty, and community members—ranging from access to improved learning platforms and capacity-building initiatives to enhanced research ecosystems. Through collective action and shared responsibility, the institution contributes to sustainable outcomes that address real human needs and empower individuals to participate more fully in social and economic development.

Overall, SDG 17.3.10 reinforces the value of collaborative networks in driving human-centred progress, ensuring that partnerships translate into tangible benefits that uplift communities and strengthen sustainable development at every level.