

7.2.1. Describe two Best practices successfully implemented by the institution as per NAAC format provided in the manual.

BEST PRACTICE- I

International Lecture Series

Objectives of the Practice:

1. **Feature Diverse range of topics**
2. **Unique Learning Experience**
3. **Knowledge Exchange**
4. **Professional Networking**
5. **Cultural Awareness**

Context:

To provide an enriching platform and engage with globally recognized scholars. This initiative aligns consistently with National Education Policy's vision and priorities for transforming the higher education system in India.

The Practice:

The primary aim of the International Lecture Series is twofold: to expose students and faculty to a diverse range of global perspectives each department is encouraged to organize a minimum of two international lectures per academic year, promoting an ongoing exchange of knowledge and ideas.

Evidence of Success:

Increased exposure to global perspectives, the establishment of meaningful collaborations, and the positive reputation the college has garnered on the international stage. Students and faculty actively engaging with scholars from diverse backgrounds further solidify the success of this initiative.

Problems Encountered and Resources Required:

Challenges include the issues related to scheduling and coordinating international speakers. Allocating resources for enhanced technological infrastructure and administrative support for the consistent execution of the series.

Note

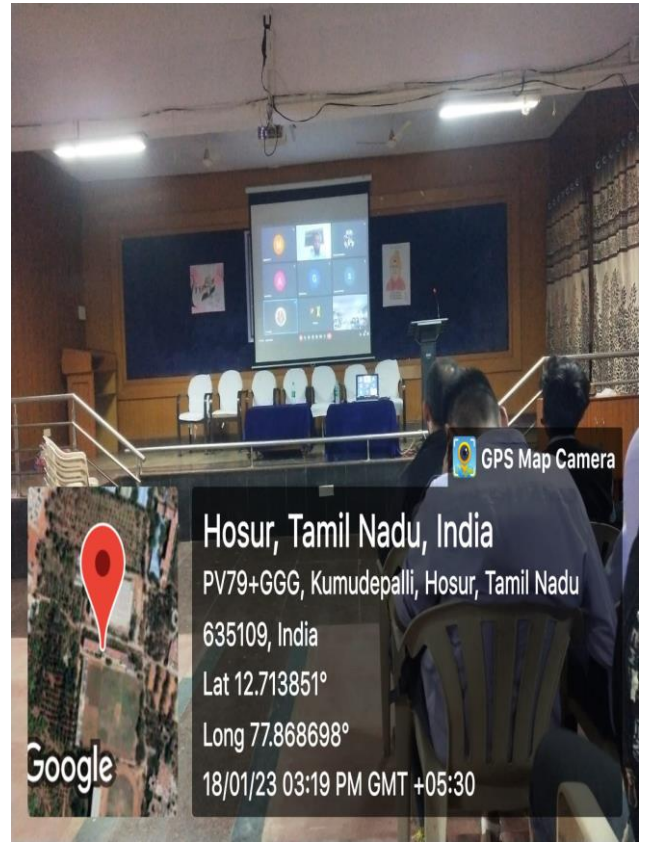
In summary, the International Lecture Series serves as a key parameter of academic excellence, directly contributing to the realization of the goals outlined in NEP 2020. It is a testament to the institution's commitment to providing a globalized educational experience and fostering collaboration that transcends borders.

**Report on International Lecture Series 2023 on
“Management from Operational Efficiency to Strategic Management”**

The Business Administration dept, M.G.R. College, Hosur Affiliated in Periyar University, Salem has conducted a oneday International Eminent Lecture Series on “Management from Operational Efficiency to Strategic Management” Program on 18.01.2023. The session was started at 02.00 PM in seminar hall –III, Mr. T.V.Manjunath Head & Asst.Professor delivered the welcome address with a brief introduction about resource person **Prof. Nuru Mohammad Ph.D**, Assistant Professor of Strategic Management, Arsi University, Asella, Ethopia.

The session was then taken up by **Prof. Nuru Mohammad Ph.D**, Assistant Professor of Strategic Management, Arsi University, Asella, Ethopia and he also provided the valuable insights on the skill to the required in field of management. After the presentation there was a question-and-answer session was taken up by **Prof. Nuru Mohammad Ph.D**. Nearly 147 students participated and got benefited in this International Lecture Series.

Finally Mr.K.Prakash Asst. Professor in department BBA, ended the session with a vote of thanks. All the students have enthusiastically participated in the programme.



Students Participation in the online session

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International Online Lecture Series

SESSION ON

Management from Operational Efficiency to
Strategic Management

Wednesday, 18th January 2023

Time: 02:00 PM Onwards

Keynote Speaker

Dr. NURU MOHAMMAD Ph.D

Business Development Manager of EIT

Assistant Professor of Strategic Management

Arsi University

Asella, Ethopia



Phone: +91-4344-261004; Fax: +91-4344-260573

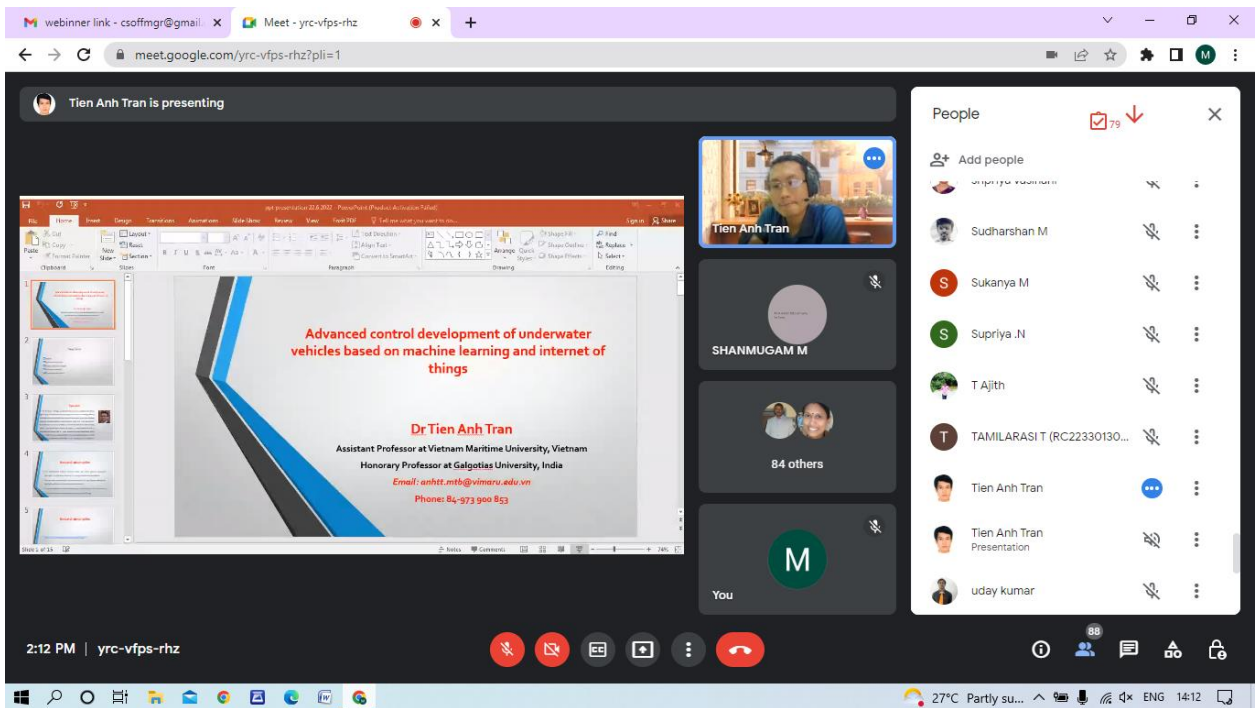
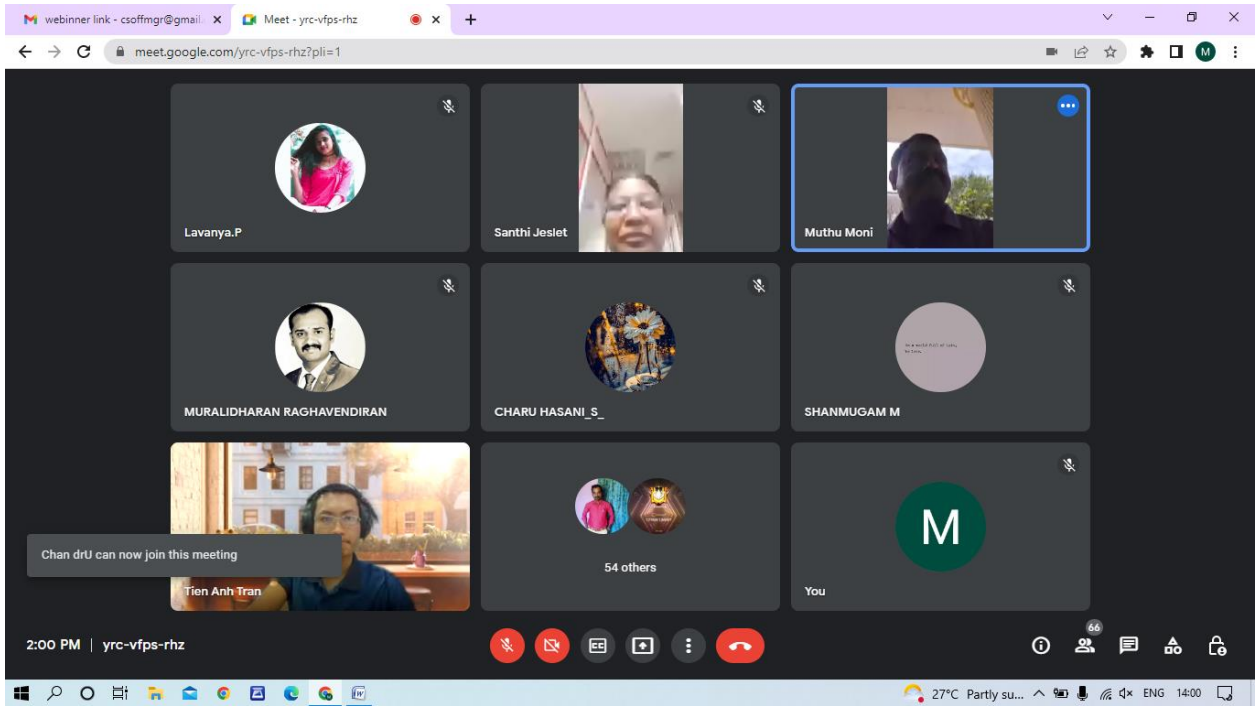
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Report on International Lecture Series 2022 on “Global Trends and Practices in AI”

This International Eminent Lecture Series on “Global trends and Practices in AI” was organized by the Department of Computer Science on 20th December 2022 at M.G.R. College, Hosur, with the motto to understand the major application of Artificial Intelligence in various areas. The expert of the day **Dr. Tien Anh Tran**, Asst. Professor, Department of Marine Engineering, Vietnam Maritime University, Haiphong City, **Vietnam**, presented his talk about the application of AI in Marine Engineering.

He presented for about 1 hour and explained the application of AI in Marine Engineering. Nearly **118** participants attended the lecture series and they were given enough time to discuss and post their queries. Dr. Tien Anh Tran patiently clarified all the doubts.

At the end of the session Dr. Tien Anh Tran felt very much satisfied about the session. The participants filled the feedback forms through online. E-certificates was issued to all the participants



Students Participation in the online session

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International Online Lecture Series

SESSION ON

Global Trends and Practices in AI

Tuesday, 20 December 2022

Time: 09:30 AM Onwards

Keynote Speaker

Dr. TIEN ANH TRAN Ph.D.

Assistant professor

Department of Marine Engineering

Vietnam Marine University

Haiphong City

VIETNAM



Phone: +91-4344-261004; Fax: +91-4344-260573

E-mail: mgrprincipal@yahoo.co.in; Website: www.mgrcollege.ac.in

Report on International Lecture Series 2022 on “IR spectroscopy and surface imaging”

On December 20th, the international eminent series on IR spectroscopy and surface imaging was conducted by Department of Chemistry, M.G.R. College, Hosur. The session was open to all the students and faculties, around 72 people took part actively in this series.

The series started with the introduction by Dr. A. Silambarasu, Head of Chemistry Department, M.G.R. College, followed welcoming address by Mrs. V. Vanie, Assistant Professor, Department of Chemistry. An inspiring speech was delivered by Dr. A. Muthumoni, Principal, M.G.R. College, Hosur.

The session was handed over to **Dr. Kiyang Tu**, Plant Imaging – Associate Scientist, Canadian Light Source, Saskatoon. He enlightened with his ideas about IR spectroscopy. He shared an absorption method widely used in both qualitative and quantitative analysis. He showed, how IR instrument passes infra-red light through molecules and produce a spectrum. The normal modes of vibrations in IR Spectroscopy was discussed. An upcoming techniques related to IR spectroscopy was initiated.

The series end up with vote of thanks delivered by Mrs. A. Usha, Assistant Professor, Department of Chemistry, M.G.R. College, Hosur.

sho-woqu-pup 9:55

Vibrational Modes

- Vibrational mode can only exist for covalent bonds
- Vibration modes for molecules with three atoms which include stretching (ν), bending/scissoring (δ) and rocking (ρ)
- Larger molecules have more complicated vibrational mode (e.g. breathing modes of aromatic rings)
- For infrared spectroscopy, only vibrational modes that change the overall dipole moment of the bond. These are described as IR active. Only polar bonds can be IR active*

Kaiyang is presenting

Kaiyang

Mala

You

sre94 others

sho-woqu-pup 10:54

Infrared absorption spectra are unique

- Each molecule with infrared active vibrational bonds possesses a unique absorption spectrum
- Intensity of absorption bands depend on the associated bond and its change of dipole moment upon excitation
 - Different vibrational modes of the same bond can be differently strong such as O-H stretch vs O-H bend of H_2O
- IR bands of covalent bonds are not only affected by its atoms, but also nearby bonds
- Strongly polar bonds such as carbonyl groups (C=O) possess stronger bands than less polar bonds such as C-H
- Infrared band can have different shapes. These are commonly described as **narrow** or **broad**

Kaiyang is presenting

Kaiyang

Swetha

Several participants joined the meeting

Dr. Kiyang Tu delivering the session

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International Online Lecture Series

SESSION ON

IR SPECTROSCOPY AND SURFACE IMAGING

Tuesday, 20 December 2022

Time: 09:30 AM Onwards

Keynote Speaker

Dr. KAIYANG TU, Ph.D.

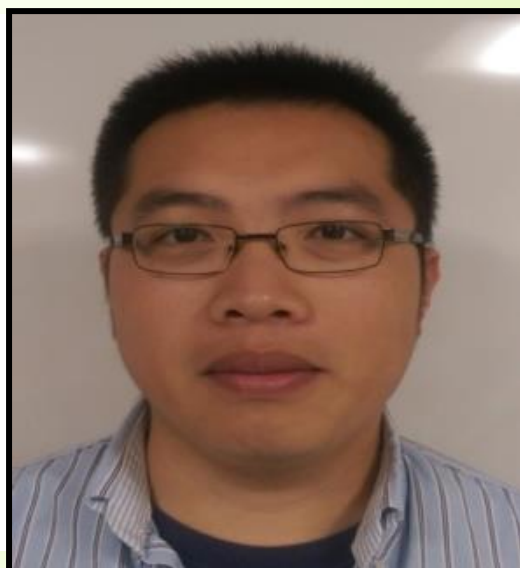
Plant Imaging - Associate Scientist

Canadian Light Source

agriculture.lightsource.ca

44 Innovation Boulevard

Saskatoon, SK S7N 2V3



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Report on International Lecture Series 2022 on “Primary Immune Response to Infection”

With respect to the above subject, herewith submitting the report on International Lecture Series 2022 in the title of “Primary Immune Response to Infection” which was organized by the PG and Research Department of Microbiology, M.G.R College, Hosur – 635 130 on **21/10/2022** at **2.30 p.m.**

Prof. Adam Cunningham, Professor of Functional Immunity, Institute of Immunology and Immunotherapy, University of Birmingham, U.K was the resource person of the webinar. The panel of dignitaries consisted of the Resource Person – **Prof. Adam Cunningham**, Principal – Dr. A. Muthumoni, Advisor – Dr. K. Muthuchelian, Head of the Department – Mr. R. Yuvaraj, Program Coordinator and Faculty members of the Department.

Principal – Dr. A. Muthumoni delivered welcome address and – Dr. V. Manimekalai introduced the resource person. The session started at 2.30 p.m by the resource person Prof. Adam Cunningham and extended till 4.00 p.m, which was an insightful presentation and an interactive. The session includes the contents of how our immune system respond to a foreign substance, how vaccines are active at the time of pathogen encounter and so on.

At the end Mr. R. Yuvaraj, Assistant Professor and Head, PG and Research Department of Microbiology thanked the resource person, Principal and Management for organizing the webinar successfully. He also thanked the HoD’s, Faculty members and Students from various departments and colleges for the successful completion of the event. The students had interacted with the resource person and have given the feedback.

Adam Cunningham is presenting

Toxins and capsules are the only licensed single antigen vaccines against bacterial infections in humans

Capsule-based	Whole organism (live and dead)	Non-capsule subunit
HIB Men A,C,W, Y <i>Salmonella Typhi</i>	<i>Salmonella Typhi</i> (live and dead) <i>B. pertussis</i> <i>V. cholerae</i>	<i>B. pertussis</i> – acellular, FHA, pertactin, LPf, adenylate cyclase, pertussis toxin Men B – Bexsero, NadA, NHBA, fHbp, porin A (PorA, part of OMV)

Subunit capsule
Conjugated
Subunit/secreted
Live attenuated
Killed bacteria

15:25 | qkb-iytd-eeq

32°C Cloudy 3:25 PM 10/21/2022

Adam Cunningham is presenting

If binding is due to access, monomeric proteins like OmpA with a similar Mw as OmpD should not be protective targets of Ab

Fab Fab
OmpD 70Å OmpA 30Å
OmpD OmpA
O-Ag O-Ag

STm and SEn OmpD A263S
STm and SEn OmpA identical

OmpA cytoplasmic tail not shown for clarity; Atomistic molecular dynamics for 6&11 O-Ag repeats for 250ns – steered AMD for 70ns

15:22 | qkb-iytd-eeq

32°C Cloudy 3:22 PM 10/21/2022

Presentation by Prof. Adam Cunningham

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International Online Lecture Series

SESSION ON
PRIMARY IMMUNE RESPONSE TO INFECTION

Friday, 21 October 2022
Time: 2:30 PM Onwards

Keynote Speaker

Dr. ADAM CUNNINGHAM

Professor of Functional Immunity
Institute of Immunology and
Immunotherapy
University of Birmingham
Birmingham
B15 2TT, U.K.



Phone: +91-4344-261004; Fax: +91-4344-260573

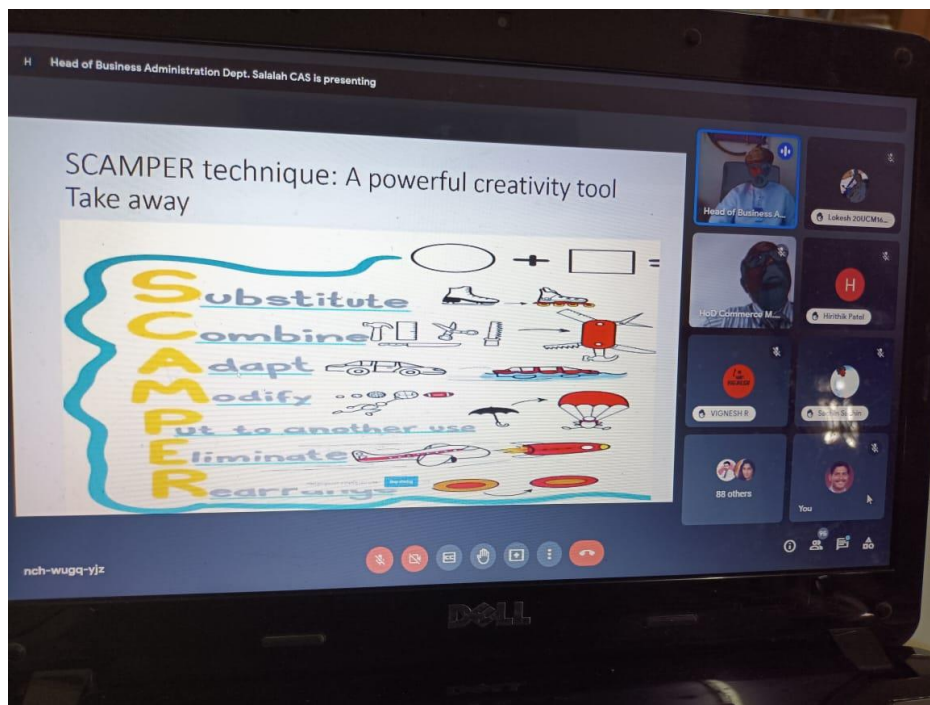
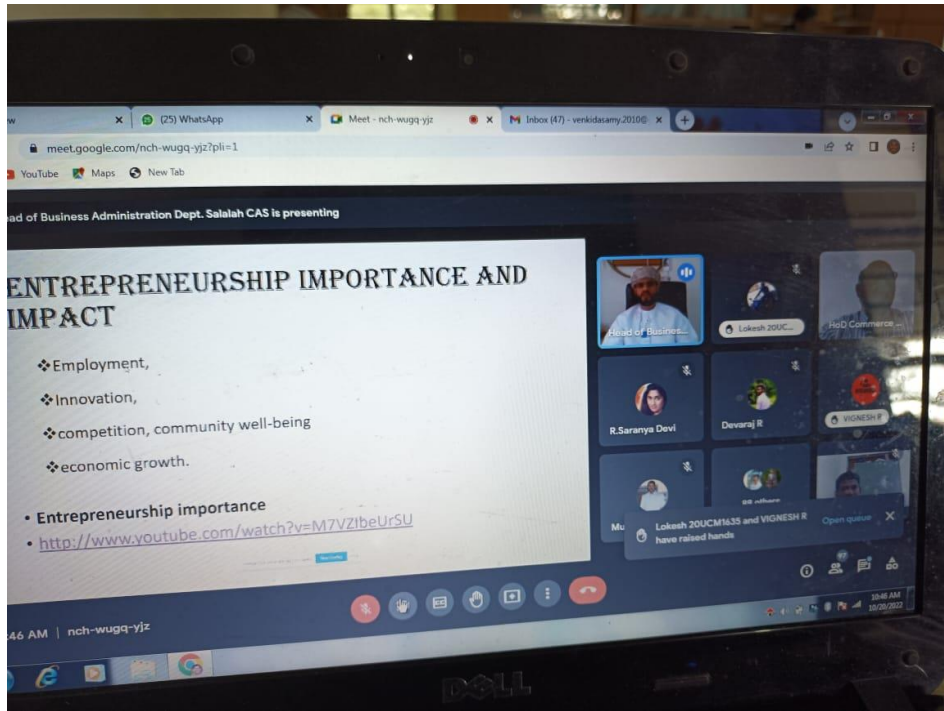
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Report on International Lecture Series 2022 on “Entrepreneurship: Creativity and Innovation”

On October 20th, Entrepreneurship: creativity and innovation were conducted by Department of Commerce, M.G.R. College, Hosur. The session was open to all the students and faculties, around 115 people took part actively in this series.

The series started with the introduction and welcoming address by Dr. B. Mathivanan, Head of Commerce Department, M.G.R. College. An inspiring speech was delivered by Dr.A. Muthumoni, Principal, M.G.R. College, Hosur.

The session was handed over to **Dr. Nasser Alhamar Alkathiri**, – Head of Business Administration, University of Technology and Applied Sciences, Salalah, Oman. He enlightened with his ideas about Entrepreneurship. The series endup with vote of thanks delivered by Dr. B. Mathivanan Professor & Head, Department Commerce, M.G.R. College, Hosur.



Dr. Nasser Alhamar Alkathiri Presentation

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International Online Lecture Series

SESSION ON

Entrepreneurship: Creativity and Innovation

Thursday, 20 October 2022

Time: 10:30 AM Onwards

Keynote Speaker

Dr. NASSER ALHAMAR ALKARTHIRI

Professor and Head

Department of Business Administration

University of Technology and Applied Sciences

Salalah, OMAN



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**Report on International Lecture Series 2022 on
“Structural characterization of Materials with Hard X-rays: X-ray Diffraction
and Beyond”**

We have conducted a “The International Lecture Series-2022” on 20.10.2022 to the UG and PG students of Department of Physics through Virtual Meet (Google Meet) in the presence of our Principal Dr. A. Muthumoni and Advisor Dr. K. Muthuchelian.

The aim of the meet was to introduce the concepts of “Structural characterization of Materials with Hard X-rays: X-ray Diffraction and Beyond” to our students by **Dr. Beatriz Diaz Mareno**, from Canadian Light Source, Canada. She explained some new results in X-ray Diffraction.

Mr. S. Rajmathanraj welcomed the gathering and Dr. P. Rajalakshmi introduced the Chief guest and Vote of Thanks was delivered by Dr. K. Janaki. 70 students of our department and faculties were attended the Virtual Meet.

IBM end-station

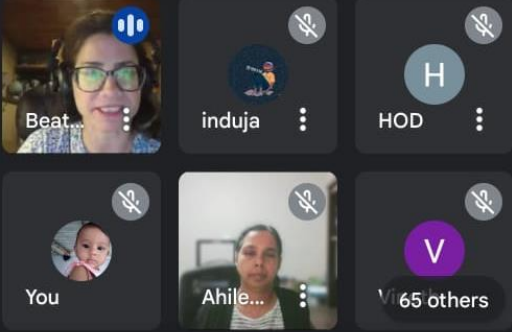


- In-situ characterization**
 - thin films
 - microelectronic materials
 - semiconductors
- Rapid thermal annealing (up to 1100°C)**

Techniques

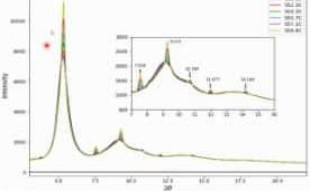
- ✓ X-Ray diffraction
- ✓ Four point probe to measure film resistivity
- ✓ Optical light scattering to measure surface morphology

Beatriz is presenting



Zoom meeting interface showing a grid of participants: Beatriz, induja, HOD, You, Ahile..., and 65 others.

High entropy alloys phase transitions



Zoom meeting interface showing a grid of participants: Beatriz, induja, HOD, You, Ahile..., and 65 others.

Knowledge Sharing by Dr. Beatriz Diaz Mareno

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International Online Lecture Series

SESSION ON

Structural Characterization of Materials with Hard X-rays: X-ray
Diffraction and Beyond

Thursday, 20 October 2022

Time: 09:30 AM Onwards

Keynote Speaker

DR. BEATRIZ DIAZ MORENO

Beamline Responsible

Canadian Light Source

Canada



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Report on International Lecture Series 2022 on “Formal Education in Malaysia - Pre School to University”

Regarding the aforementioned topic, A report on the International Lecture Series 2022, titled "Formal Education in Malaysia - Pre School to University," which took place on 30 September 2022, at 10 a.m. organized by the Research Department of Tamil, M.G.R College, Hosur, 635 130.

The webinar's resource was Dr. Malarvihi Chinnaiah, Senior Lecturer and Chairman at the University of Malaya Malaysia in Kuala Lumpur. The luminaries on the panel included Dr. Malarvihi Chinnaiah, the resource person; Dr. A. Muthumoni, the principal; Dr. K. Muthuchelian, the advisor; Dr. T. Lakshmi, Assistant Professor and Head, Research Department of Tamil; and faculties from various department.

Dr. A. Muthumoni, the principal, made the welcoming address, and Dr. T. Lakshmi introduced the resource person. The event began at 10 a.m. by the resource person Dr. Malarvihi Chinnaiah and lasted until 12 p.m., with an incisive presentation and an interactive component. The webinar covers topics such as educational quality, basic educational standards, and how to put theoretical knowledge into practice for the betterment of society, among others.

Dr. T. Lakshmi, Assistant Professor and Head, Research Department of Tamil, concluded by thanking the resource person, Principal, and Management for a successful webinar. She also thanked the HoDs, faculty members, and students from various departments and colleges for the event's success. The students had interacted with the resource person and provided feedback.

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International Online Lecture Series

SESSION ON

Formal Education in Malaysia - Pre School to University

Friday, 30th September 2022

Time: 10:00 AM Onwards

Keynote Speaker

Dr. MALARVIHI CHINNAIAH

Senior Lecturer

Chairman at the University of Malaya

Malaysia in Kuala Lumpur



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**Report on International Lecture Series 2022 on
“Developing Confidence and Agency in English Language Teaching and
Learning”**

ZELOS International Lecture Series was organized by the Department of English, MGR College, Hosur. Dr. M. Palanikumar, Head, welcomed the gathering and Principal Dr. A. Muthumoni felicitated the programme.

Ms. Dharani introduced the chief guest. International Language Educator **Ms. Courney Bailey** gave a special Lecture on "Developing Confidence and Agency in English Language Teaching and Learning" on 29 September using virtual Meet, Participants enrich their self Confidence and enhanced their knowledge to set their goal in Life. Her motivational speech inspired our students of English Literature. Ms. Rekha delivered Vote of Thanks.

Developing Confidence and Agency in English Language Teaching and Learning

A lecture by: Courtney Bailey, International Language Educator
For M.G.R. College, Hosur
Thursday, September 29, 2022

What is PERSONAL AGENCY and why is it important?

WHICH IS YOUR LOCUS OF CONTROL?

Internal locus of control
You make things happen.

External locus of control
Things happen to you.

Control

- Your attitude and enthusiasm
- Businesses you start
- Where you work
- What you read
- What skills you learn
- Articles and books that you write
- Places you travel to
- What you buy
- Where you live
- Leadership positions you hold

EXTERNAL CIRCLE OF INFLUENCE

CIRCLE OF CONTROL

Factors in Circle of Influence: Threat of nuclear war, Volcano eruption, Relationships, Family, Weather, Economy, Case surroundings.

Factors in Circle of Control: Your words, Your attitude, Your goals, Your position, Your beliefs, Your energy, Your skills, Your knowledge.

Personal agency refers to the notion that I am the one who is causing or generating action. (Gallagher, 2000)

A person with a sense of personal agency perceives himself/herself as the subject influencing his or her own actions and life circumstances.

2022 7

Developing Confidence and Agency in English Language Teaching and Learning

Ms. Courtney Baile in online Session

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International Online Lecture Series

SESSION ON

Developing Confidence and Agency in English Language
Teaching and Learning

Thursday, 29 September 2022

Time: 10:00 AM Onwards

Keynote Speaker

Ms. COURTNEY BAILEY

Teacher Trainer

University of South Carolina

U.S



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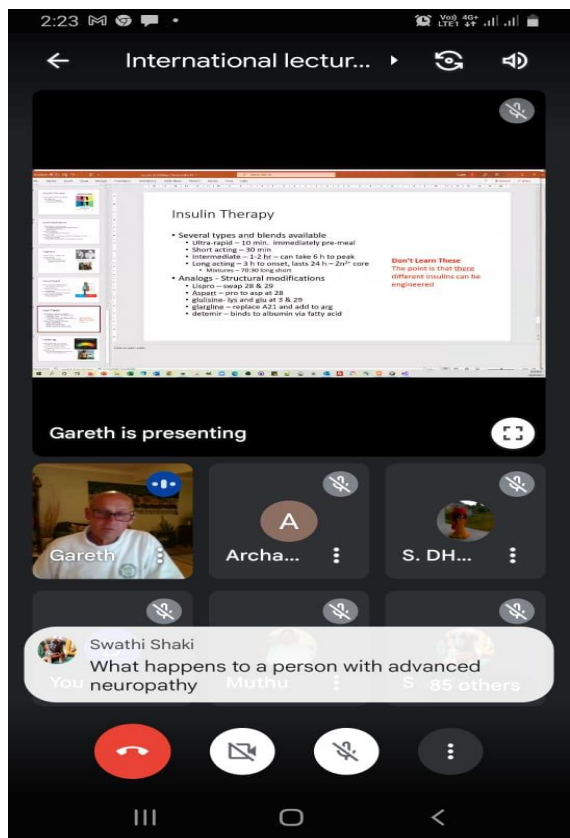
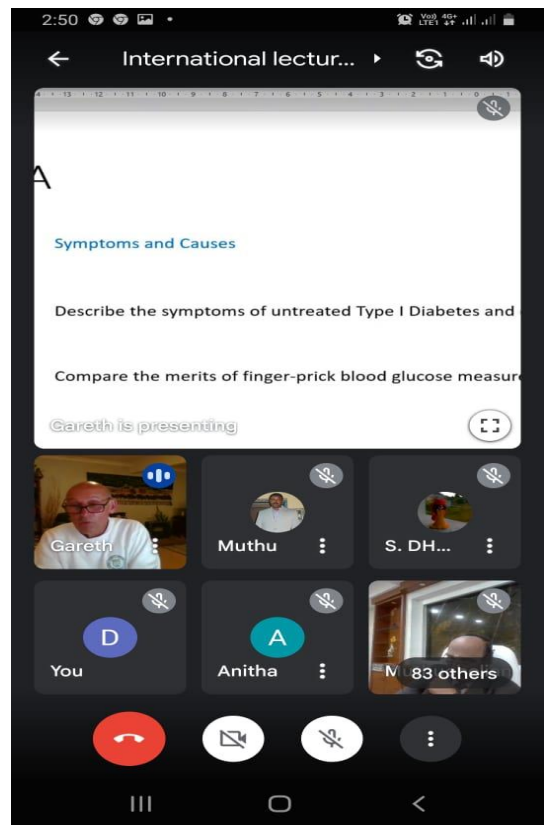
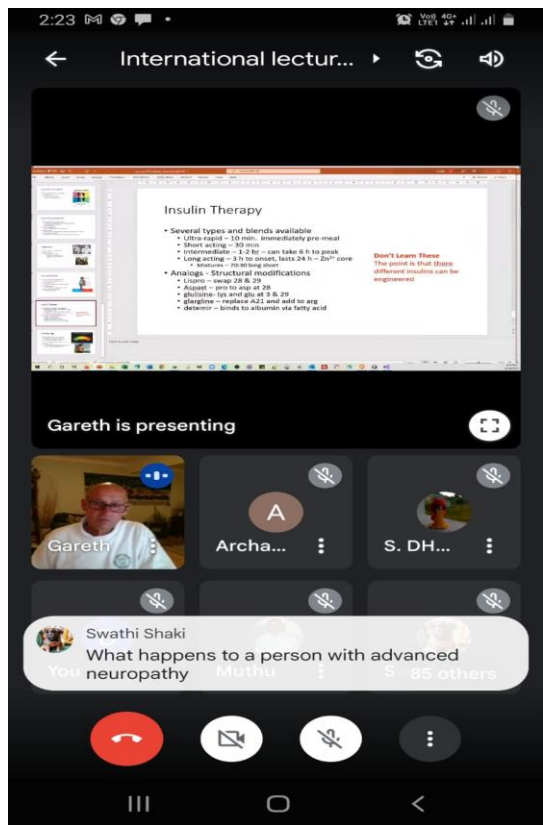
Report on International Lecture Series 2022 on “An Introduction to Type I Diabetes”

On 26th September 2022 an International eminent lecture series was conducted by the Department of Biochemistry. This lecture was about Type I Diabetes, delivered by **Dr. Gareth Denyer**, Professor, Department of Biochemistry from The University of Sydney, Australia.

For the first time we had a flipped lecture, which means students watched the lecture previously before the session and had interactive discussions with the resource person. Thus the flipped lecture was about Type I Diabetes, which is a chronic (Lifelong) auto immune disease that prevents the pancreas from making insulin. During the lecture, the students have clarified their doubts regarding Diabetes and made the session very interesting with their queries.

Dr. A. Muthumoni, Principal, and Dr. K. Muthuchelian, Advisor, AERI were also accompanied with us. They also interacted with the resource person cheerfully and clarified their doubts. Finally, they appreciated the effort taken by the staff members of Biochemistry.

Dr. Gareth Denyer felt very happy about the involvement of the students and have appreciated the management and the staff members for this wonderful interactive sessions he had with the Indian students.



Dr. Gareth Denyer presenting

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International Online Lecture Series

SESSION ON

AN INTRODUCTION TO TYPE I DIABETES

Monday, 26 September 2022

Time: 02:00 PM Onwards

Keynote Speaker

Dr. GARETH DENYER

Professor of Biochemical Education School
of Life and Environmental Sciences
University Of Sydney
Australia



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Report on International Lecture Series 2022 on “An Introduction to Molecular Biology”

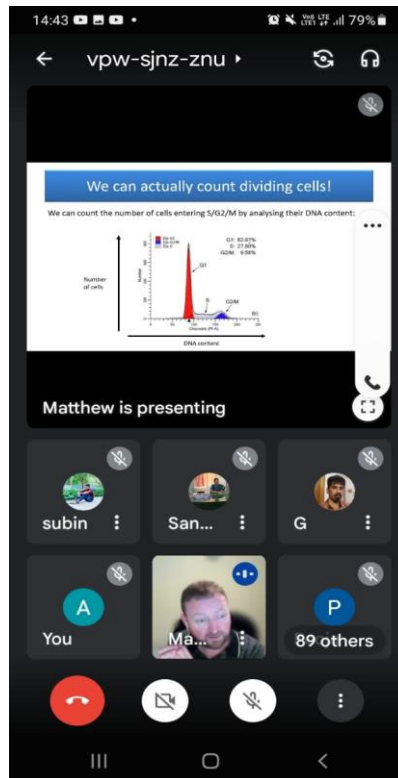
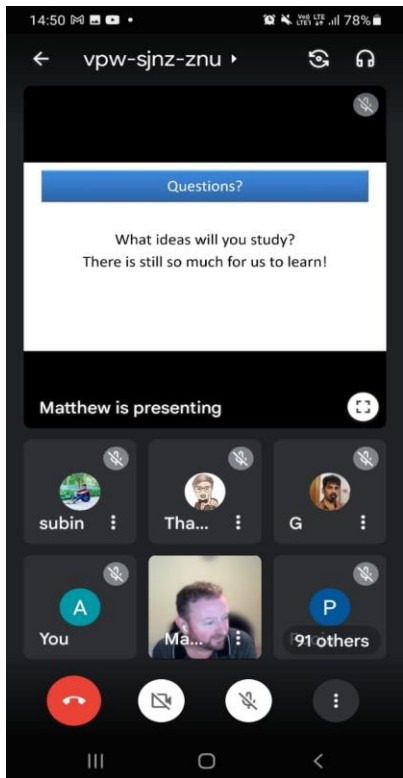
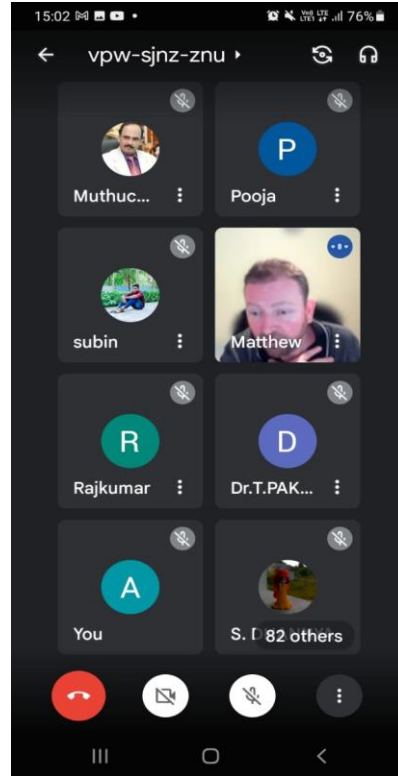
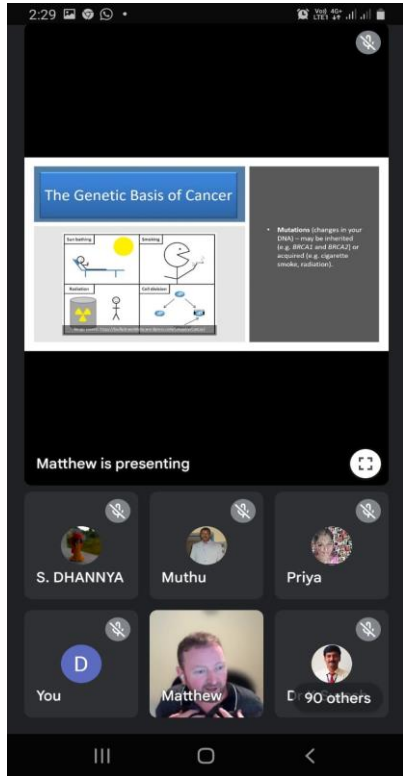
The special lecturer series was initiated this year as an inter disciplinary collaboration, cutting across departments and disciplines, to create common grounds for sharing of knowledge on selected topics and importance.

In this regard, Department of Biochemistry has organised International Lecture series-1 on “An Introduction to Molecular Biology”. This special lecture was delivered by **Dr. Mathew Clemson**, Professor, Department of Biochemistry from The University of Sydney, Australia on 22nd Sep 2022.

The lecture was attended by around 100 students through online mode in the presence of Dr. A. Muthumoni, Principal, and Dr. K. Muthuchelian, Advisor, AERI and Dr. T. Pakutharivu, Head, Department of Biochemistry, faculty and HoDs of various Departments.

During the session the students asked their queries and had an informative and interactive session with the resource person. This lecture made the students familiar with the Molecular Biology concepts.

This was a first and wonderful experience of listening to a foreign lecture by our students and they have enjoyed a lot.



Online presentation by Dr. Mathew Clemson

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International Online Lecture Series

SESSION ON

AN INTRODUCTION TO MOLECULAR BIOLOGY

Thursday, 22 September 2022

Time: 02:00 PM Onwards

Keynote Speaker

Dr. MATTHEW CLEMSON Ph.D.

Professor in Biochemistry

Cell & Molecular biology

University of Sydney

Australia

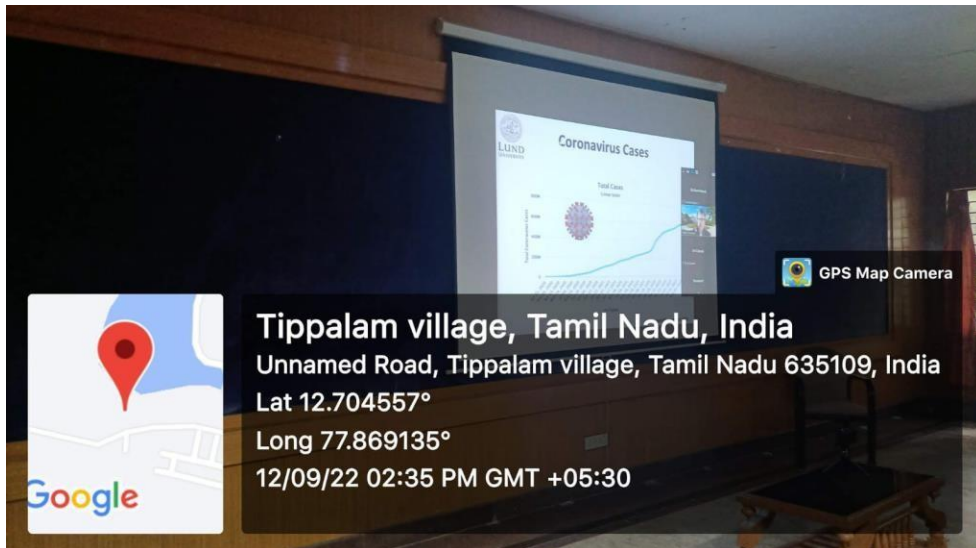
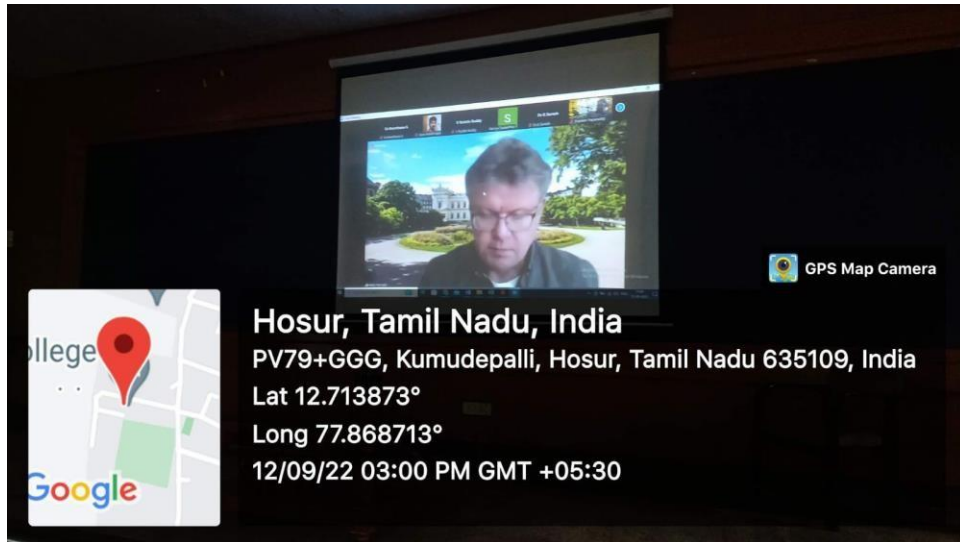


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Report on International Lecture Series 2022 on “The Molecular Mechanism Behind Sepsis”

PG and Research Centre in Biotechnology and jointly Research council of MGR College, Hosur, Tamilnadu, India had conducted (Hybrid mode) an International Eminent Lecture series on the topic “**The Molecular Mechanism Behind Sepsis**” on 12th September 2022 through ZOOM meet from 3 pm. The resource person of the session was **Prof. Dr. Heiko Herwald**, Professor, Medical Microbial Pathogenesis, **Lund University, Sweden**. There were 136 participants attended from different parts of the nation with hybrid mode. He gave a very meaningful insight into the awareness about molecular mechanism behind sepsis. It was really informative, very engaging, very helpful to the participants. All the participants were issued e-certificate.



Prof. Dr. Heiko Herwald presentation on The Molecular Mechanism Behind Sepsis

M.G.R. COLLEGE

Approved by the Government of Tamil Nadu,

Affiliated to Periyar University, Salem

Reaccredited by NAAC

Recognized by UGC under section 2(f) and 12(B), New Delhi

Dr. MGR Nagar, Hosur - 635 130, Krishnagiri Dist., Tamil Nadu

International Online Lecture Series

SESSION ON

THE MOLECULAR MECHANISM BEHIND SEPSIS

Monday, 12 September 2022

Time: 02:30 PM Onwards

Keynote Speaker

Dr. HEIKO HERWALD

Professor

Medical Microbial Pathogenesis

Lund University, Sweden

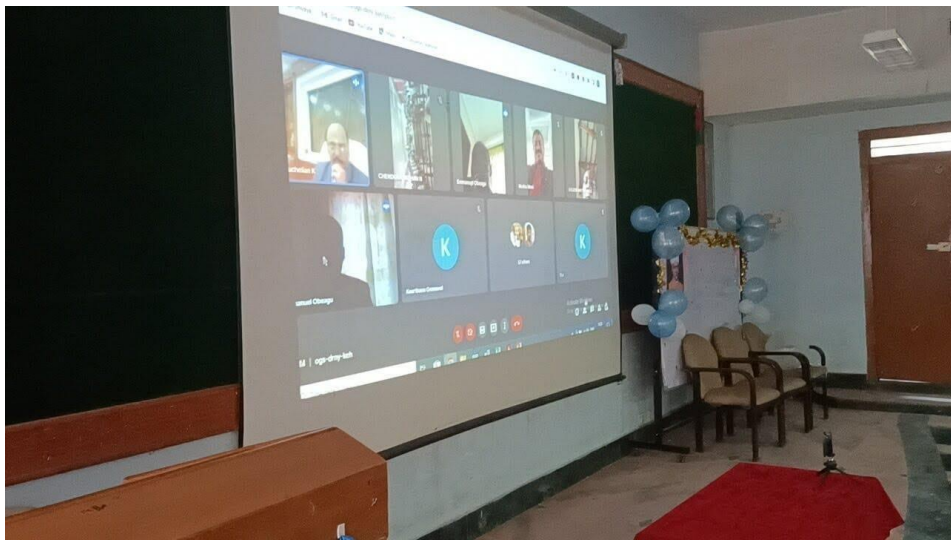
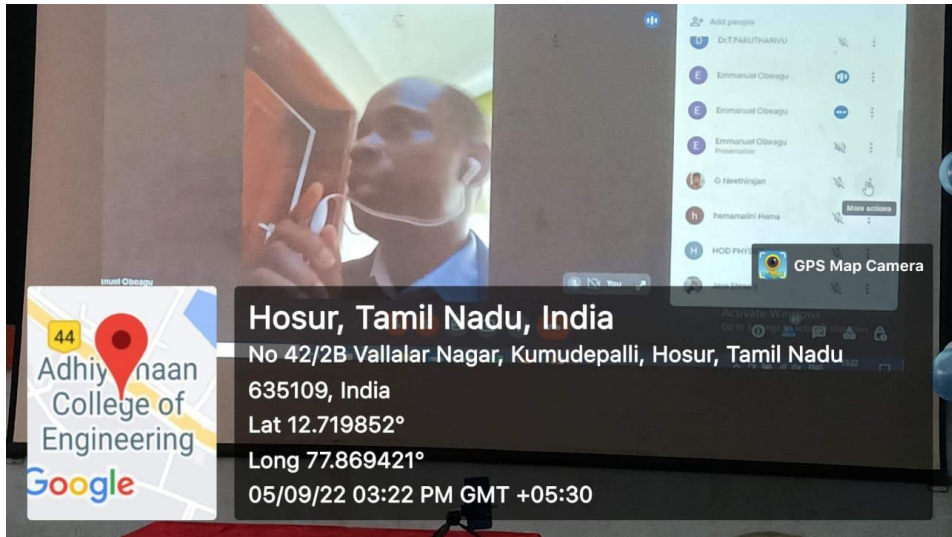


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Report on International Lecture Series 2022 on
“Interferon-gamma and C-reactive protein in Sickle Cell Anaemia”

PG and Research Centre in Biotechnology and jointly Research council of MGR College, Hosur, Tamilnadu, India had conducted (Hybrid mode) an International Eminent Lecture series on the topic “Interferon-gamma and C-reactive protein in Sickle Cell Anemia” on 5th September 2022 through google meet from 2 pm. The resource person of the session was **Dr. Emmanuel Ifeanyi Obeagu**, Senior Lecturer, Department of Medical Laboratory Science, Kampala International University, Western Campus, **Uganda**. There were 152 participants attended from different parts of the nation with hybrid mode. He gave a very meaningful insight into the awareness for CRP elevated in sickle cell disease. All the participants were issued e-certificate.



Online Presentation by Dr. Emmanuel Ifeanyi Obeagu

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Dr. MGR Nagar, Hosur - 635 130, Krishnagiri Dist., Tamil Nadu

International Online Lecture Series

SESSION ON
INTERFERON GAMMA AND C- REACTIVE PROTEIN IN
SICKLE CELL ANAEMIA

Monday, 05 September 2022
Time: 02:00 PM Onwards
Keynote Speaker

**Mr. EMMANUEL IFEANYI
OBEAGU**

Senior Lecturer

**Department of Medical Lab Science,
Kampala International University,
Western campus, Uganda**



Phone: +91-4344-261004; Fax: +91-4344-260573

E-mail: mgrprincipal@yahoo.co.in; Website: www.mgrcollege.ac.in

7.2.1. Describe two Best practices successfully implemented by the institution as per NAAC format provided in the manual.

BEST PRACTICE- II

Eco-friendly Campus Practices

Objective of Practice

- To cultivate a sustainable environment that minimizes ecological impact
- To integrate waste reduction strategies, and conservation initiatives.

The Context

Eco-friendly practices aim to reduce environmental impact by conserving resources, minimizing waste, promoting renewable energy and adapting sustainable life styles for a healthier planet and future generations.

The Practice

By implementing renewable energy sources, such as solar, energy-efficient Waste reduction strategies, recycling programs, greener waste management system, Sustainable landscaping, preservation of green spaces, and eco-friendly architecture further enhance the environmental profile. Beyond infrastructure, eco-friendly campus practices extend to educational programs, fostering awareness and understanding of environmental issues.

Eco-Friendly Campus Practices in the organization

- ❖ **Green and Energy Audit by Nature Science Foundation**
- ❖ **One College One Tree**
- ❖ **Tamil Nadu Manjappai Scheme**
- ❖ **Composting of Bio-waste**
- ❖ **Biodiversity conservation**
- ❖ **Seed Ball Programme**
- ❖ **Energy conservation**
- ❖ **Waste reduction**
- ❖ **Plastic free campus**
- ❖ **Green spaces**
- ❖ **Well Maintained Sewage Treatment Plant**

Evidence of Success

It can be seen in reduced energy consumption, increased recycling rates, improved air and water quality, enhanced biodiversity on campus grounds. Green Campus Audit by Nature Science Foundation is to evaluate environment management system to protect and preserve the environment.

Problems Encountered

1. Financial Constraints for implementing green initiatives
2. Infrastructure Challenges to meet green standards
3. Lack of Awareness about the importance of sustainability

Resources Required

1. Financial Investments
2. Educational Programs
3. Incentives

Green and Energy Audit Certificate



Regd. No. 114/2017



NATURE SCIENCE FOUNDATION

[A Unique Research and Development Centre for Society Improvement]
Coimbatore 641 004, Tamil Nadu, India.
[www.nsfonline.org.in]

Inspection Certificate

This is to certify that M.G.R. College, Hosur – 635 130, Krishnagiri, Tamil Nadu, India has implemented ecofriendly sustainability practices in line with National Building Code of India Part 11 (Approach to Sustainability) inspected on 04.01.2023. This certificate is valid for the following scope of activities.

- 1. Green Audit**
- 2. Energy Audit**

Certificate No.: NSF/PR/ACERT/7.1/61
Date of Inspection: 04.01.2023
Date of Issue: 20.01.2023

ரஜிஷ்.
Dr. S. Rajalakshmi
Chairman



Dr. P. V. Sreenivasan
Director

No. 2669, LIG-II, Gandhi Managar, Peelamedu, Coimbatore - 641 004, Tamil Nadu, India.
Phone: 0422 2510006; Mobile: 95667 77255; 95667 77258
Email: director@nsfonline.org.in

One College One Tree

This is to teach and encourage students about the environmental benefits of planting trees. College students will be participating in hunting for a tree to preserve the environment in an eco-friendly manner.



Sign Board of One College One Tree



Sapling Protected with Tree Guard

University Circular for One College one Tree Scheme

University Circular for One College one Tree Scheme



பெரியார் பல்கலைக்கழகம்
PERIYAR UNIVERSITY
Salem- 636011, Tamil Nadu
NAAC A Grade - State University - NIRF Rank 83, ATAL Rank 4



நாட்டு நலப்பணித்திட்டம்

முனைவர் P. பிரகாஷ்
ஒழுக்கிணைப்பாளர்(பொ.)

பெ.ப.க /NSS/Circular/2021-3, நாள்: 14.09.2021

சுற்றறிக்கை

பொருள் : பெரியார் பல்கலைக்கழக (NSS) நாட்டு நலப்பணித்திட்ட அலுவலகம் -
நாட்டு நலப்பணித்திட்ட தீமை - கல்லூரிக்கு ஒரு மரம் நாட்டு கூண்டு
அமைத்தல் - விவரம் அனுப்பக் கோருதல் - தொடர்பாக.

பெரியார் பல்கலைக்கழக இணைவு பெற்ற கல்லூரிகளில் உள்ள (NSS) நாட்டு நலப்பணித்திட்டம் வழியாக, இந்தியா சுதந்திரம் பெற்று 75-ஆவது வருடத்தை கொண்டாடி வரும் நிலையில் செப்டெம்பர் மாதம் 24-ஆம் தேதி நாட்டு நலப்பணித்திட்ட தினத்தன்று ஒவ்வொரு கல்லூரியும் ஒரு மரக்கன்று நாட்டு, இருப்பு கூண்டு அமைக்க வேண்டும் என தெரிவிக்கப்பட்டுள்ளமையால், பெரியார் பல்கலைக்கழக ஆளுகைக்குட்பட்ட நாட்டு நலப்பணி திட்டத்தில் இயங்கிவரும் கீழ்க்கண்ட கல்லூரிகள் கட்டம் எண்டில் உள்ளவாறு எண்கள் இட்டு (Geotagged Photo) புகைபடம் எடுத்து கல்லூரி திட்ட அலுவலர்கள் பெரியார் பல்கலைக்கழக நாட்டு நலப்பணித்திட்ட அலுவலகத்திற்கு 24.09.2021 மாலை 03.00 மணிக்குள் கடிதம் மற்றும் மின்னஞ்சல் முகவரிக்கு (nss.periyaruniv@gmail.com) அனுப்பி வைக்குமாறு கேட்டுக்கொள்ளப்படுகின்றனர்.

(குறிப்பு: மேலும் இணைப்பில் கண்டுள்ள அளவுள்ள இருப்பு கூண்டு அமைத்து எண்கள் இட்டு (Geotagged Photo) புகைபடம் எடுத்து மாநில நாட்டு நலப்பணி திட்ட அலுவலர் தெரிவித்துள்ள கீழ்க்கண்ட விதிமுறைகளின்படி அனுப்பி வைக்குமாறு தெரிவிக்கப்படுகிறது.)

-Sd-

ஒழுக்கிணைப்பாளர்

விதிமுறைகள்:

1. Selection of saplings.
2. Plantation should be in the college campus/Common place/adopted Village.
3. Sapling need to be protected with Tree Guard(Tree Guard model and specification enclosed)

2



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Dr. M.G.R. Nagar, HOSUR-635 130 .

4. Plantation should be done with the participation of Principal/local VIP's.
5. Name of the College, Volunteer and Sapling Number to be affixed on the Tree Guard in the given format.
6. Geotag photos of the saplings planted need to be taken and sent along with report.
7. Follow-up action for the planted saplings need to be well planned (daily watering & maintenance).

குறிப்பு

முதலாளிகள் / தலை ஆய்வாளர்கள்
கூடுதல் பதக்கங்களைக் கொண்டு குறிப்பிட்ட கிள்களைக் கவனிக்கவும்.

S.No.	Name of the College	Geotagged Photo No.
1	2	3
1.	Periyar University, Salem 636011.	1726
2.	Periyar University College of Arts & Science, Mettur Dam, Mettur, Salem - 636 401.	1727
3.	Periyar University College of Arts & Science, Pennagaram, Dharmapuri - 636 806.	1728
4.	Periyar University College of Arts & Science, Harur, Dharmapuri - 636 903.	1729
5.	Periyar University College of Arts & Science, Pappirediapatty, Dharmapuri - 636 905.	1730
6.	Periyar University College of Arts & Science, Edappadi, Salem - 637 101.	1731
7.	Government Arts College, (Autonomous), Salem - 636 007.	1732
8.	Government Arts College for Men, Krishnagiri- 635 001.	1733
9.	Government Arts College, Dharmapuri - 636 705.	1734
10.	Thiruvalluvar Government Arts College, Andagalur (Po), Rasipuram, Namakkal - 637 401.	1735
11.	Arignar Anna Government Arts College, Namakkal - 637 002.	1736
12.	NKR Government Arts College for Women, Namakkal - 637001.	1737
13.	Arignar Anna Government Arts College, Vadachennaimalaipo, Attur, Salem - 636 121.	1738
14.	Government Arts College for Women, Salem - 636008.	1739
15.	Government Arts College for Women, Krishnagiri - 635001.	1740
16.	Government Arts & Science College for Women, Burgur, Krishnagiri - 635 001	1741
17.	Government Arts & Science College, Komarapalayam, Namakkal - 638 183.	1742
18.	Government Arts & Science College, Hosur, Krishnagiri - 635 109.	1743
19.	Government Arts & Science College for Women, Karimangalam, Dharmapuri - 635 111.	1744
20.	Sri Sarada College for Women, (Autonomous), Fairlands, Salem - 636016.	1745
21.	Kandaswami Kandar's College, P. Velur, Namakkal - 638182.	1746
22.	J.K.K Nataraja College of Arts & Science, Komarapalayam, Namakkal - 638 183.	1747
23.	Salem Sowdeswari College, (Aided), Salem - 636 010.	1748
24.	M.G.R College of Arts & Science, Hosur - 635 109.	1749
25.	Vvaya College, Masinackenpatty, Ayodhivapattinam (Po), Salem - 636 103.	1750
26.	Sengunthar Arts & Science College, Neikkrappatty, Tiruchengode, Namakkal - 637 205.	1751
27.	Muthayammal College of Arts & Science, Kakkaveri, Rasipuram, Namakkal - 637 408.	1752
28.	P.G.P College of Arts & Science, Namakkal - 637 207.	1753
29.	A.V.S College of Arts & Science, Attur Main Road, Ramalingapuram, Salem - 636 106.	1754
30.	K.S.Rangasamy College of Arts & Science, (Autonomous), Tiruchengode, Namakkal - 637 215.	1755
31.	Vivekanandha College of Arts & Science (Autonomous), Elayampalayam, Tiruchengode, Namakkal - 637 205.	1756
32.	Kamadhenu College of Arts & Science, A.H. Road, North of Gowri Spinning Mills, Thokkampatti (Po), Dharmapuri - 636 705.	1757
33.	Bharathiyar Arts & Science College (W), Deviakurichi, Attur, Salem - 636 112.	1758
34.	Mahendra Arts & Science college, Attayampatty (Via), Kalipatty (Po), Namakkal - 637 501.	1759
35.	Selvam Arts & Science College, Attayampatty (Via), Kalipatty (Po), Namakkal - 637 003.	1760
36.	Trinity College for Women, Vagurampatti, Mohanur Road, Sanyasikaradu (Po), Namakkal - 637 001.	1761
37.	Sri Vidhya Mandir Arts & Science College, Vignesh Nagar, Katter, Uthangaru, Krishnagiri - 635 207.	1762
38.	Jairam Arts & Science College, Chinnathirupathy (Po), Salem - 636 008.	1763
39.	Sri Balamurugan College of Arts & Science, Sathapadi (Po), Meheery (Via), Mettur (Tk), Salem - 636 451.	1764
40.	Sri Ganesh College of Arts & Science, Kamarajar Nagar Colony, Ammapet, Salem - 636 014.	1765
41.	Sri Sakthikanilash College for Women, Military Road, Ammapet, Salem - 636 003.	1766



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Tamil Nadu Manjappai Scheme

This awareness campaign on using 'yellow' cloth bag or 'manjapai' as it is called in Tamil, is aimed at encouraging the people to return to the use of this eco-friendly bag and discard the plastic bags. Traditionally the manjapais were used for shopping, carrying books, ration and even cash. The state government had enforced a ban on the production, use, storage, distribution, transportation or sale of 14 types of plastics with effect from January 1, 2019.



Yellow Cloth Bag Awareness Campaign

Composting of Biowaste

Composting is one of the potential treatment options for biowaste or organic waste, and it can be used to compost any waste that can decompose aerobically or anaerobically, such as garden waste, and papers etc. Composting and anaerobic digestion of organic wastes, as well as their return to the material cycle as high grade fertilizer and humus, is well established globally. Our tunnel composting technique, as an integrated element of the material cycle, contributes greatly to environmental preservation and waste reduction and resource conservation.



Biowaste Collection



Composting of Biowaste

Green Campus Initiatives

Endangered Plants (As per Red Data Book)



Araucaria angustifolia



Pterocarpus santalinus



Ficus carica



Phyllanthus emblica



Santalum album



Bambusa vulgaris

Threatened Plant Species (As per Red Data Book)



Piper betle



Polyalthia longifolia



Carissa carandas

Vegetation to Maintain Indoor Climate



Cocos nucifera



Eucalyptus globulus



Tectona grandis



Calliandra haematocephala



Hibiscus rosasinensis



Annona reticulata



Pongamia pinnata



Phyllanthus acidus

Oxygen Releasing and CO₂ Assimilating Plants



Azadirachta indica



Thespesia populnea



Mangifera indica



Ficus religiosa

Plants to Control Soil Erosion



Non Native Plants



Terminalia catappa



Acalypha wilaesiana



Pseuderanthemum sp.



Epipremum pinnatum

Herbal Plants



Volkameria inermis



Leucas aspera

Calotropis procera

Sign Boards



Seed Ball Program

Seed-ball program is an ancient practice for reforestation and soil repair that is gaining appeal as a modern kind of ecological restoration. They are designed to be tossed or scattered in locations where vegetation is wanted, and they depend on natural rainfall or irrigation to germinate and grow into mature plants. It contributes to environmental restoration and a positive response to climate change. Native seeds are chosen based on local biodiversity.

To make a seed ball, mix about five measures of red clay by volume with one measure of seeds. The balls range in diameter from 10 mm to 80 mm (approx. 1/2" to 3"). After forming the seed balls, let them dry for 24-48 hours before using.

Seed bombing is the method of introducing flora into land by throwing or dropping seed balls. It is employed in modern aerial seeding to discourage seed predation. Green groups, such as guerrilla gardening, have also popularized it as a technique to bring new plants into an ecosystem.



Preparation of Clay Balls



Clay Balls and Native Seeds



Inserting Seeds into Clay Balls



Seed Balls

Seed Bombing

Well Maintained Sewage Treatment Plant

Sewage treatment is a sort of wastewater treatment that tries to remove contaminants from sewage to generate effluent appropriate for disposal to the surrounding environment or an intended reuse application, hence preventing water contamination from raw sewage discharges.



Pump Room



Inlet Flow Meter



Motor for Sewage Treatment



Sewage Treatment Plant



Sand and Carbon Filter



Filters



U.V System



Outlet Flow Meter