





Hindusthan
College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in
Report for Technical Webinar on "Post- harvest Processing and Value Addition in Tuber Crops"

| | |
|---|---|
| Name of the Faculty : Dr. Jeevarathinam G and Dr. Navarasam R | |
| Department : Food Technology in association with The Institution of Engineers (India). Coimbatore Local Centre | Designation : Dr. Jeevarathinam G (HoD/FT) and Dr. Navarasam R (ASP/FT) |
| Name of the Event : Post- harvest Processing and Value Addition in Tuber Crops | |
| Level : College Level | |
| Venue / Mode : Ganga Hall and Virtual | |
| No. of Days : One day | Dates : 15.11.2023 |
| Funded by : Nil | |
| No. of Participants : 160 | Registration charges (if any) : Nil |
| Name and Designation of Resource Person : Dr. KRISHNAKUMAR T Scientist Division of Crop Utilization, ICAR – Central Tuber Crops Research Institute (CTCRI) Thiruvananthapuram | |
| Objectives : <ul style="list-style-type: none"> The webinar focused on the significance of effective utilization of tuber crops and their by-products. The webinar was also emphasis on post-harvest processing and valorisation of tuber crops for the production of different kind of products with nutritional perspectives. | |
| Outcome and remarks : <ul style="list-style-type: none"> The development of by-products from tuber crops, their nutritional properties, Mechanization and Future scope everything was clearly presented by the key note speaker. The guest speaker explained about the importance of valorisation of tuber crops. In their organization (CTCRI), they have developed various products from tubers crops (Tapioca, potatoes, cassava, sweet potatoes and yams). The whole session was more useful and highly informative. The questionnaires were asked by students and answered with clarity by the guest speaker in an distinguished manner. The participants were actively participated and have given excellent feedback about the lecture. Nearly more than 160 participants attended the session | |
| Plan of Implementing in HiCET (if any) : Yes | |
|  Signature of the Faculty |  HoD |
|  Principal | |

Invitation of the event:



The Institution of Engineers (India)

Coimbatore Local Centre

in association with



Department of Food Technology

Hindusthan College of Engineering and Technology, Coimbatore

organizes

A Technical Webinar on

“Post-harvest Processing and Value Addition in Tuber Crops”



by

Dr T KRISHNAKUMAR

Scientist

Division of Crop Utilization

ICAR- Central Tuber Crops Research Institute (CTCRI)

Thiruvananthapuram

on 15th November 2023 (Wednesday), 11.00 AM



<https://meet.google.com/jsf-pmgi-ghv>

Dr J Krishnamoorthi FIE
Chairman

All are Cordially Invited !!!

Dr G Madhan Mohan MIE
Honorary Secretary

tagged photos:

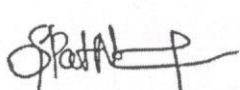
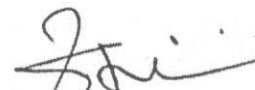





Hindusthan College of Engineering and Technology
 An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
 Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MCTS)
 Accredited by NAAC 'A++' Grade with CGPA of 3.69 out of 4 in Cycle 2
 Valley Campus, Coimbatore – 641 032, Tamil Nadu, INDIA
 Tel: +91 422 4242424 www.hicet.ac.in





Report for A Technical Webinar on “Recent Trends in Healthcare Innovation and the role of Academia”

| | |
|---|-------------------------------------|
| Name of the Faculty : Ms.Patricia Nancy S | |
| Department : Biomedical Engineering | Designation : Assistant Professor |
| Name of the Event: A Technical Webinar on “Recent Trends in Healthcare Innovation and the role of Academia” | |
| Level : International / National / State / Regional / Industry / University / College Level | |
| Venue / Mode: Online Mode / Google meet | |
| No. of Days : 1 | Dates : 23.04.2024 |
| Funded by : UGC/CSIR/DST/DSIR/TNSCST/ICSSR/NCERT/ANSA/Management/IEI-Coimbatore local center | |
| No. of Participants : 138 students and 9 faculties | Registration charges (if any) : Nil |
| Name and Designation of Resource Person(s) : Dr.Vivek Manoharan, Founder & CEO -221B Biomedical & Test at Home, Co-founder-Bipolar Factory, India & Singapore | |
| Objective: This webinar is organised in order to enlighten the students with the recent trends and innovations currently happening in the field of healthcare. | |
| Outcome: The students as well as the faculties were able to gain insights about the recent innovations and gain few project ideas from the webinar. | |
| Remarks and Feedback on the Event: Students were interactive and showed great interest in gaining knowledge about the recent technologies. | |
| Plan of Implementing in HiCET (if any) : Nil | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  Signature of the Faculty </div> <div style="text-align: center;">  HoD </div> <div style="text-align: center;">  Principal </div> </div> | |





Whether Event Brochure / Invitation Published in Social Media : **Yes / No**

If Yes, Mention Link details:

The Institution of Engineers (India)
Coimbatore Local Centre
in association with
Department of Biomedical Engineering
Hindusthan College of Engineering and Technology, Coimbatore
organizes
A Technical Webinar on
"Recent Trends in Healthcare Innovation and the Role of Academia"



by
Dr VIVEK MANOHARAN
Founder & CEO - 221B Biomedical & Test at Home
Co-Founder, Bipolar Factory
India & Singapore
on 23rd April 2024 (Tuesday), 10.00 AM
 <https://meet.google.com/utg-roxw-jcz>

Dr J Krishnamoorthi FIE.
Chairman

All are Cordially Invited !

Dr G Madhan Mohan FIE
Honorary Secretary

Photographs of Event





'Innovation, hype and reality : How academia can help?'

by
Dr. Vivek Manoharan, BEng, MS, PhD
 Co-founder and CEO
 Test At Home Pte. Ltd. (Singapore - India)
 Co-founder & partner - Bipolar Factory

bpf

JUMPSTART

ANTLER

NUS
National University of Singapore

Yong Loo Lin
School of Medicine

UNLEASH



UNLEASH talent creates 'lollipop-like' Covid-19 testing device

SEPTEMBER 13TH 2021

UNLEASH Talent, Dr. Sushant Kulkarni, and his Singapore-based startup, **Solo-Ar Health Pvt Ltd**, have developed a Covid-19 testing device with 95% of accuracy.

With the Covid-19 outbreak in India reaching more than 12.4 cases and 47,000 deaths, many states and the government are looking for a way to control the virus. However, the rising demand for testing methods, especially the deep nasopharyngeal device has created a huge challenge. Dr. Sushant Kulkarni, founder of Solo-Ar Health, has developed a device that collects mucus from the nostrils, a collection method with a strong risk of creating aerosol transmission.

Work and Test at Home (WTAH) have created a unique 'lollipop-like' device that collects mucus from users by mimicking its unique habit. Not only make the process safe for any age group to self-collect oral fluid samples, but also reduce the production of aerosols during the collection process thus reducing the risk of transmission.

A 'lollipop' to replace painful nasal swab test

The chewable, buccal cavity swab device shows an accuracy of 95%

Overview

Dr. Sushant Kulkarni, founder of Solo-Ar Health, says that the device is a "lollipop-like" device that is used to collect mucus from the buccal cavity. The device is made of a soft, flexible material and is used to collect mucus from the buccal cavity. The device is used to collect mucus from the buccal cavity.

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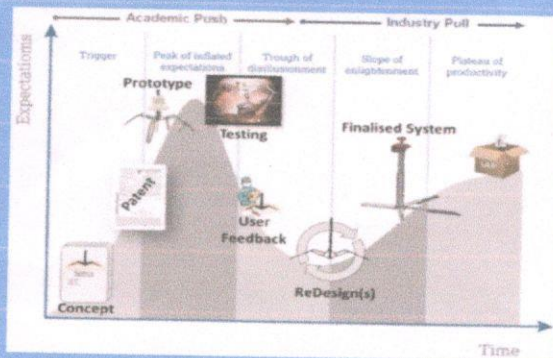
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How it really works





The Institution of Engineers (India)
Coimbatore Local Centre



in association with
Department of Computer Applications
Hindusthan College of Engineering and Technology
Coimbatore

Cordially invite you for the Inauguration of
One Day Seminar
on
“Data Analytics Implementation”

Under the aegis of
Computer Science and Engineering Division Board, IE(I)
on

22nd August 2023 (Tuesday) at 10.00 AM

Chief Guest



Mr. M. Sundara Kadeswaran,
Advocate,
Coimbatore District Court



Venue: F Block Kurunji Hall
Hindusthan College of Engineering and Technology, Coimbatore

Dr S Shanmugam FIE
Chairman

Dr J Krishnamoorthi FIE
Honorary Secretary



10.00 AM Inauguration Function

Welcome & Presidential
Address

Felicitation Address

About the Seminar

Introduction of the
Chief Guest

Chief Guest Address

Vote of Thanks

Technical Sessions

10.45 AM Break

11.00 AM Session I

12.00 AM Session II

01.00 PM Lunch Break

01:45 PM Session III

02.45 PM Session IV

03.15 PM Break

04.15 PM Session V

04.45 PM Concluding Session

Agenda

Dr S Shanmugam
Chairman
IE(I), Coimbatore Local Centre

Dr J Jaya
Principal
Hindusthan College of Engineering and Technology,
Coimbatore.

Dr A. R Jayasudha
Professor & Head
Department of Computer Applications,
Hindusthan College of Engineering and Technology,
Coimbatore.

Dr. Princess Maria John
Assistant Professor, Department of Computer Applications,
Hindusthan College of Engineering and Technology,
Coimbatore.

Mr. M Sundara Kadeswaran
Advocate
Coimbatore District Court

Dr J Krishnamoorthi
Honorary Secretary
IE(I), Coimbatore Local Centre

Topic on "Machine Learning – Phase 1" by
Mr.Ranga Bashyam
Data Science & Machine Learning Enthusiast,
Navi Digital Academy, Hosur

Topic on "Deep Learning" by
Dr S T Padma Priya
Assistant Professor in Data Science,
Department of Applied Mathematics & Computational Intelligence
Thiagarajar College of Engineering, Madurai

Topic on "Biostatistics in Industry" by
Dr Anil C Mathew
Professor of Biostatistics,
PSG Institute of Medical Sciences and Research, Coimbatore

Topic on "Machine Learning – Phase 2" by
Mr A Maheshwar
Senior Manager,
Imarticus for Placement & Training, Coimbatore

Topic on "Data Visualization" by
Mr D Hariharasudhan
Microsoft Trainer,
Certiport, Bangalore.



APPENDIX XX

REPORT FORMAT OF THE ONE-DAY SEMINAR / WORKSHOP

ORGANISED BY CENTRES / OVERSEAS CHAPTERS FOR PUBLICATION IN
WEBSITE

| | |
|---------------------------------------|--|
| Name of the Centre / Overseas Chapter | IEI(I) Coimbatore Chapter |
| Title of the Activity | DATA ANALYTICS IMPLEMENTATION |
| Activity under Divisional Board | Computer Science and Engineering Divisional Board |
| Date : 22.08.2023 | Venue : Hindusthan College of Engineering & Technology |



Photo of Inaugural Session with banner of IEI



Photo of Inaugural Session with banner of IEI

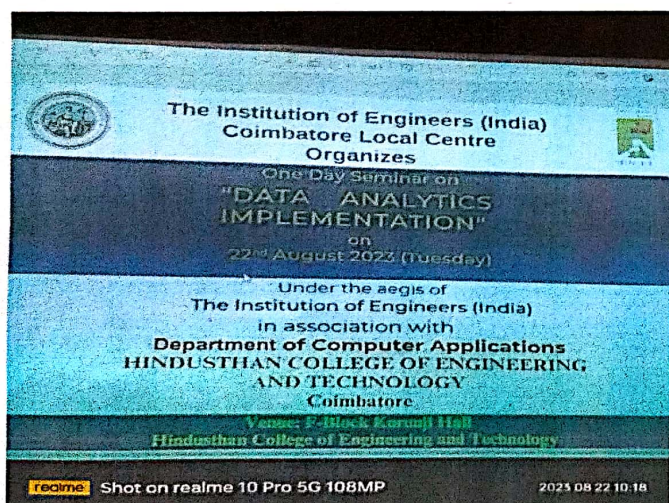
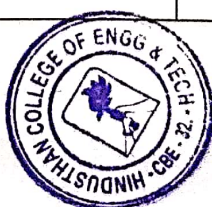


Photo of Inaugural Session with banner of IEI



Photo of Technical Session - 1



Report of One-Day Seminar

Brief Details about the Programme:

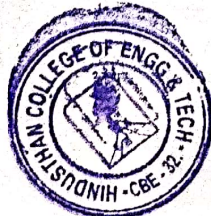
The session started with prayer song and lighting of kuthuvilakku. Dr S Shanmugam, Chairman, IE(I), Coimbatore Local Centre delivered the welcome and presidential Address. Dr.J.Jaya Principal, Hindusthan College of Engineering and Technology delivered the felicitation address. A brief introduction about the seminar was given by Head of the Department- MCA Dr.A.R. Jayasudha. Dr.Princess Maria John, Associate Professor/ MCA gave the chief guest Introduction. Mr. M. Sundara Kadeswaran, Chief guest of the Day delivered the Chief guest address.

The technical session 1 was given by Mr.Ranga Bashyam, Data Science & Machine Learning Enthusiast, Navi Digital Academy, Hosur. Participants received an introduction to ML, gaining insights into its definition and applications. The focus spans different algorithm types: Supervised Learning for prediction with labeled data, Unsupervised Learning for tasks without labels, and Reinforcement Learning for interactive learning. An essential emphasis is on Data Preparation and Cleaning, highlighting the importance of quality data. Topics cover handling missing data, addressing outliers, and practical techniques like feature scaling and normalization. Practical considerations include encoding categorical variables and splitting data for training and testing. Participants emerge with foundational knowledge and practical skills to navigate the dynamic field of machine learning.

The Technical Session 2 was given by Dr S T Padma Priya, Assistant Professor in Data Science, Department of Applied Mathematics & Computational Intelligence, Thiagarajar College of Engineering, Madurai. The session aims to equip participants with a foundational understanding of deep learning, emphasizing key concepts, popular architectures, and practical application through a hands-on image classification project using CNNs.

The Technical Session 3 was given by Dr Anil C Mathew, Professor of Biostatistics, PSG Institute of Medical Sciences and Research, Coimbatore. Mr. Anil C Mathew's session aims to bridge statistical concepts with practical applications in the field of biostatistics within an industrial context. The focus on correlation, linear regression, and logistic regression highlights their relevance in analyzing and interpreting data in the biological and medical sectors. Participants received a blend of theory and practical insights, fostering a deeper understanding of statistical methods in biostatistics.

The Technical Session 4 was given by Mr D Hariharasudhan, Microsoft Trainer, Certiport, Bangalore. Hariharasudhan's session aims to equip participants with a comprehensive understanding of data visualization, covering fundamental concepts, techniques for effective visual communication, and



advanced topics like time series visualization and interactivity. Participants gained practical skills in creating compelling visualizations to extract meaningful insights from data.

Details of the Sessions:

Day-1 (Forenoon) Inaugural Session

Mr. Sundara Kadeswaran

Advocate,

Coimbatore District Court

Day-1 (Forenoon) Technical Session I

Lecture by Mr. Ranga Bashyam

Data Science & Machine Learning Enthusiast,

Navi Digital Academy, Hosur

Machine Learning – Phase 1

- Introduction to Machine Learning
- Types of Machine Learning Algorithms
- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning
- Data Preparation and Cleaning

Day-1 (Forenoon) Technical Session II

Lecture by Dr S T Padma Priya

Assistant Professor in Data Science,

Department of Applied Mathematics &

Computational Intelligence

Thiagarajar College of Engineering, Madurai

Deep Learning

- Introduction
- Key Concepts in Deep Learning
- Popular Deep Learning Architectures
- Hands on Image Classification with CNN

Day-1 (Afternoon) Technical Session III

Lecture by

Dr Anil C Mathew

Professor of Biostatistics,

PSG Institute of Medical Sciences and Research,

Coimbatore

Biostatistics in industry- applications of Correlation , Linear Regression and Logistic regression

- Types of Data
- Measures of Central Tendencies
- Types of Distribution
- Regression Concepts
- Correlation Analysis

Day-1 (Afternoon) Technical Session IV

Lecture by

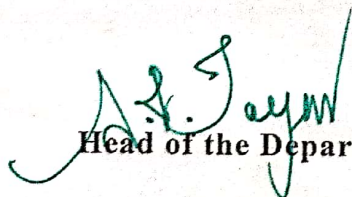
Mr D Hariharasudhan

Microsoft Trainer,

Certiport, Bangalore.

Data Visualization

- Introduction to Data Visualization
- Types of Data and Visualization
- Choosing Color and Design
- Exploratory Data Analysis
- Time Series Visualization
- Interactive Visualization



Head of the Department

Dr. A.R. JAYASUDHA

Professor & Head

Department of Computer Applications
Hindusthan College of Engineering & Technology



Principal

PRINCIPAL

Hindusthan College Of Engineering & Technology
COIMBATORE - 641 032.





Hindusthan

College of Engineering and Technology, Valley Campus, Coimbatore 641 032.

HiCET www.hicet.ac.in

Report for IEI Seminar organized / participated

| | |
|---|---|
| Name of the Faculty : Mr. Yogaraja J | |
| Department : Automobile Engineering | Designation : Assistant Professor |
| Name of the Event: National Level Seminar on Sustainability through Green Vehicles: Powered by Hydrogen, Fuel Cell, CNG and Flex Fuel | |
| Level : International / National / State / Regional / Industry / University / College Level | |
| Mapping with UN SDGs (Tick the relevant): No poverty (SDG 1), Zero hunger (SDG 2), Good health and well-being (SDG 3) , Quality education (SDG 4), Gender equality (SDG 5), Clean water and sanitation (SDG 6), Affordable and clean energy (SDG 7) , Decent work and economic growth (SDG 8), Industry, innovation and infrastructure (SDG 9), Reduced inequalities (SDG 10), Sustainable cities and communities (SDG 11), Responsible consumption and production (SDG 12), Climate action (SDG 13) , Life below water (SDG 14), Life on land (SDG 15), Peace, justice, and strong institutions (SDG 16), and Partnerships for the goals (SDG 17). | |
| Venue / Mode: Ganga Hall / Physical mode | |
| No. of Days :02 | Dates : 15.05.2024 & 16.05.2024 |
| Funded by : UGC/CSIR/DST/DSIR/TNSCST /ICSSR /IEI/NCERT /INSA/ Management etc | |
| No. of Participants : 96 | Registration charges (if any) : Nil |
| Name and Designation of Resource Person(s): Mr. Sivakumar P K, Manager, Volvo Eicher COE, Coimbatore. Dr. P. Senthilkumar, Assistant Professor (Sr. Gr.) Amirtha Viswa Vidhyapeedham, Coimbatore. Mr. Maheshkannan P, Assistant Professor (SI), PSG College of Technology, Coimbatore. Mr. Prashanthkumar Palani, Chief Technical Consultant, Haritha Mobility Solutions, Coimbatore. Mr. Manikandan V, Trainer and Process Co-ordinator (Sales), Anaamalais Toyota, Coimbatore. | |
| Outcome: By promoting the use of green energy fuels, India could reduce its dependence on imported fossil fuels, particularly crude oil to reduce the air pollution and green house gas emission. This could enhance energy security and reduce the country's trade deficit. | |
| Remarks and Feedback on the Event: Green energy fuel is likely to play an increasingly important role in the transition to more sustainable transportation systems. | |
| Plan of Implementing in HiCET (if any) : Developing an action plan for the future adoption of green energy fuel in India requires a strategic approach that addresses various aspects including policy, infrastructure, technology, and stakeholder engagement. | |
| Signature of the Faculty | <div> HoD </div> <div> Principal </div> |



HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)

Valley Campus, Pollachi Highway, Coimbatore 641032

*Department of Automobile Engineering
Organises*

The Institution of Engineers (India)
Coimbatore Local Centre

Sponsored All India Seminar on
Sustainability through Green Vehicles:
Powered by Hydrogen, Fuel Cell, CNG and Flex Fuel Vehicles
15th and 16th May 2024

Technical Session Experts



Mr P K Sivakumar

Manager, Volvo Eicher Commercial Vehicles Ltd.,
Hindustan Eicher Centre for Automotive Technology, Coimbatore
**Topic: CNG Revolution: Transforming Transportation with
Clean Energy**



Dr D Senthilkumar

Assistant Professor (SG),
Department of Mechanical Engineering
Amritha Vishwa vidyapeetham, Coimbatore
Topic: Beyond Gasoline: Exploring the Potential of Flex-Fuel Vehicles



Mr V Manikandan

Topic: Hands on session in Toyota Hybrid Electric



Dr V Mahesh Kannan

Assistant Professor (SLGr),
Department of Automobile Engineering,
PSG College of Technology, Coimbatore
Topic: Energizing Innovation: Exploring Hydrogen and Fuel
Cell Application



Mr P Prasanthkumar

**Chief Technical Consultant,
Haritha Mobility Solutions, Coimbatore**
**Topic: E-Mobility: Harnessing the Power of Electric and Hybrid
Vehicles**

Venue : Ganga Hall AC

Time : 10.00 AM

All are cordially invited



The Institution of Engineers (India)
Coimbatore Local Centre

All India Seminar on

**Sustainability through Green Vehicles:
Powered by Hydrogen, Fuel Cell, CNG and Flex Fuel Vehicles**
15th - 16th May 2024 @ Ganga Hall

15th - 16th May 2024 @ Ganga Hall

*Under the Aegis of
Mechanical Engineering Divisional Board, IE(I)*

in Association with

Department of Automobile Engineering
Hindusthan College of Engineering and Technology, Coimbatore



Geo Tagged Photographs of Event – 2 Nos:





