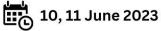


INTERNATIONAL CONFERENCE ON INNOVATIONS AND RECENT TRENDS IN ENGINEERING AND SCIENCE

Samarth Educational Trust Arvind Gavali College of Engineering Satara, Maharashtra, India In Association With Department of Medical Biology Faculty of Medicine, Nigde, Omer Halisdemir University, Nigde, Turkey





Final Program







Samarth Educational Trust

Arvind Gavali College of Engineering In Association With Department of Medical Biology Faculty of Medicine, Nigde Omer Halisdemir University Nigde, Turkey

International Conference on Innovations and Recent Trends in Engineering and Science ICIRTES - 2023

INVITATION

Saturday, 10th June 2023 and Sunday, 11th June 2023

Venue: Arvind Gavali College of Engineering, Satara, Maharashtra, India

Mode of Conduction: Hybrid Mode

ESTEEMED GUESTS

Dr. Chandrakant Lokhande Research Director D. Y. Patil University, Kolhapur

Hon. Shri Arvind Gavali Chairman Samarth Educational Trust, Satara

GUESTS OF HONOR

Hon. Shri Omkar Waikar Director and BOG Member Supreme Silicones Pvt. Ltd. Hon. Shri Nishant Gavali Secretary Samarth Educational Trust

PATRON

Dr. Vilas Pharande Principal Arvind Gavali College of Engineering

ICIRTES - 2023

June	11	2023
	То	
June	12	2023

Day – 1	10 June 2023
09.15 - 09.30	Arrival of all Program Coordinators and Participants
09.30 - 10.00	Registration and Breakfast
10.00 - 10.30	Welcome to the Session Chairs (Day 1) and Delegates
10.30 - 11.30	Inauguration of ICIRTES – 2023 and Proceedings of the Conference followed by Panel Discussion
11.30 - 13.00	Conference Sessions
13.00 - 14.00	Lunch Break
14.00 - 15.30	Conference Sessions
15.30 - 16.00	High Tea
16.00 - 17.30	Conference Sessions
Day – 1	Concludes

Conference Schedule [Day 1, 10th June 2023]

Conference Schedule [Day 2, 11th June 2023]

Day – 2	11 June 2023
09.15 - 09.30	Arrival of all Program Coordinators and Participants
09.30 - 10.00	Registration and Breakfast
10.00 - 10.30	Welcome to the Session Chairs (Day 2) and Delegates
10.30 - 13.30	Conference Sessions
13.30 - 14.30	Lunch Break
14.30 - 16.00	Conference Sessions
16.00 - 17.30	Valedictory Function and Panel Discussion
Day – 2	Concludes

Day – 1	10 June 2023
Conference Sessions	Presentations
Department:	Computer Science and Engineering [Offline Mode]
Seminar Hall No. 201	Interactive Panel
11.30 - 11.45	Dengue Malaria Prediction using CNN
11.45 - 12.00	Product Recommendation System
12.00 - 12.15	A Novel Online Medicine Donation System
12.15 - 12.30	Plant Leaf Disease Detection using CNN
12.30 - 12.45	Online Personal Health Care
12.45 - 13.00	Adhyayan Online Platform
13.00 - 14.00	Lunch Break
14.00 - 14.15	Inventory Management System
14.15 - 14.30	Custom Named Entity Recognition Using Spacy
14.30 - 14.45	Online RTO Service Management System
14.45 - 15.00	Intelligent Quality Control System for Product Manufacturers through ML
15.00 - 15.15	Real Estate Search Based on Data Mining
15.15 - 15.30	Cotton Plant Disease Detection Using CNN
15.30 - 16.00	High Tea
16.00 - 16.15	Voice Authenticated Storage System
16.15 - 16.30	Sign Language Recognition Using CNN
16.30 - 17.00	Women Security System
17.00 - 17.15	Realtime Face Mask Detection using CNN
17.15 - 17.30	A Review Paper on Replacing Unethical Energy With Ethical Energy

Day – 1	10 June 2023
Conference Sessions	Presentations
Department:	Electronics and Telecommunication Engineering
Seminar Hall No. 101	Interactive Panel [Offline Mode]
11.30 – 11.45	Gesture Recognition Based Virtual Mouse and Keyboard
11.45 - 12.00	Voice Based Medical Assistant Chatbot
12.00 - 12.15	IoT Based Smart Lift Management System
12.15 - 12.30	IoT Based Dam Irrigation System
12.30 - 12.45	Automatic Answer Checker
12.45 - 13.00	Wireless mobile charger
13.00 - 14.00	Lunch Break
14.00 - 14.15	Accelerometer Based Hand Gesture Controlled Robo-Car
14.15 - 14.30	Fingerprint Door Lock System
14.30 - 14.45	Sign Language For Deaf and Mute People
14.45 - 15.00	IoT Based Digital Notice Board
15.00 - 15.15	Greeting Voice Controlled Robot Using Arduino Board
15.15 - 15.30	Automatic Answer Checker
15.30 - 16.00	High Tea
16.00 - 16.15	IoT Based Electricity Theft Detection System
16.15 - 16.30	Military Spying Robot
16.30 - 17.00	Crop Prediction and Leaf Disease Detection
17.00 - 17.15	Web Development based "Smart Agriculture System"
17.15 - 17.30	IoT Based Internet Operated Robot Controlled System
17.30 - 17.45	Traffic Light Control System

Day – 1	10 June 2023
Conference Sessions	Presentations
Department:	Electrical Engineering
Seminar Hall No. 304	Interactive Panel [Offline Mode]
11.30 – 11.45	Self-Balancing Robot
11.45 - 12.00	Battery Swapping System For Electrical Vehicle
12.00 – 12.15	Voice Controlled Robotic Vehicle
12.15 - 12.30	Total Harmonics Distortion (THD) And Switching Losses Reduction by Arduino Based Seven Level Inverter
12.30 - 12.45	Automatic Drip Irrigation System Using Microcontroller & amp; Electrical Devices
12.45 - 13.00	Solar Operated Mobile Pesticide and Fertilizer Sprayer
13.00 - 14.00	Lunch Break

Day – 1	10 June 2023
Conference Sessions	Presentations
Seminar Hall No. 208	Interactive Panel [Online Mode] [Time: GMT + 5.30]
11.30 – 11.45	Food sector globalization and its logistic importance
11.45 - 12.00	E-commerce roles in the daily food sector after COVID-19
12.00 - 12.15	Use of Cargo Stations in Cargo Transportation
12.15 - 12.30	The importance of logistics in the renewable energy industry
12.30 - 12.45	A natural anticancer Agent: Caryophyllene
12.45 - 13.00	A healthy herbal tea with biological activities: Mulberry leaves
13.00 - 14.00	Lunch Break
14.00 - 14.15	Argumentative comparison of cancer treatment methods based on medicinal plants and not related to medicinal plants according to recent research and developments
14.15 - 14.30	The Importance of Disaster Logistics for a Sustainable Disaster Management
14.30 - 14.45	The Role of Media and Communication in the Science and Technology during the Covid-19 Pandemic
14.45 - 15.00	The role of logistics in dropshipping
15.00 - 15.15	Fruit Segmentation
15.15 - 15.30	Performance evaluation of sports prostheses and adaptations for lower limb amputees in District Rahimyar Khan, Pakistan
15.30 - 16.00	High Tea
16.00 - 16.15	Evaluating the effect of air gap between the skin and bolus on flatness and dose distribution of electron beams using Monte Carlo simulation
16.15 - 16.30	Exploring Phage Therapy as an Alternative Treatment for Helicobacter pylori Infections: A Review of Current Research
16.30 - 17.00	A review of the methods of increasing the production of medicinal metabolites of plants
17.00 – 17.15	In vitro assessment of the plant-based formulation containing combination of Cistus x incanus L. and Scutellaria lateriflora L. for their antimicrobial and antibiofilm properties
17.15 - 17.30	Intake of Ultra-processed Food is Associated with Oxidative Stress and Inflammatory Biomarkers in Metabolic Syndrome Patients

Day – 2	11 June 2023
Conference Sessions	Presentations
Department:	Mechanical Engineering
Seminar Hall No. 304	Interactive Panel [Offline Mode]
10.30 - 10.45	Zero Energy Water lifting Technology in Rural India
10.45 - 11.00	Design and Fabrication of a Section Bending Machine
11.00 - 11.15	Metal or Non-metal Sorting Using Metal Detection
11.15 - 11.30	Robotic Arm with Vehicle
11.30 - 11.45	Design and development of 360-degree rotating fire
11.50 - 11.45	protection system
11.45 - 12.00	Pneumatic Jet Machine
12.00 – 12.15	Multipurpose Agriculture 3 – Wheel Pesticides Sprayer
12.15 - 12.30	Road Power Generation by Using Flip-plate Mechanism
12.30 – 12.45	Radial and Axial Relief Grinding Machine
12.45 - 13.00	Design and Fabrication of Automatic Ground Clearance
12.15 10.00	Machine
13.00 - 13.15	Design and Fabrication of Semi-automatic Mulching
	Machine
13.15 - 13.30	Machine Learning Based Nutrient Deficiency Detection in
	Rice Crop
13.30 - 14.30	Lunch Break
15.50 - 14.50	Lunch Ditak
14.30 - 14.45	Hybrid Electric Vehicle
14.45 - 15.00	Design and Manufacturing of Hydraulic Cutter

Day – 2	11 June 2023
Conference Sessions	Presentations
Department:	Civil Engineering
Seminar Hall No. 304	Interactive Panel [Offline Mode]
10.30 - 10.45	Analytical Investigation on Mitigation of Short Column Effect in Partial Infilled Frames
10.45 - 11.00	Retrofitting of RC Structure
11.00 - 11.15	Analyse and Design of Equitable Water Supply for Rural Water Distribution Network
11.15 - 11.30	Experimental Analysis on Green Concrete
11.30 - 11.45	Design Of Modular Multi-Storied Steel Frame Building
11.45 - 12.00	Rain Water Harvesting
12.00 - 12.15	Design Of Paving Tiles Using Bagasse and Fly ash
12.15 - 12.30	Marine Pollution (Oil Spillage) and its Removal
12.30 - 12.45	Study Of Glass And Steel Fibre In Concrete
12.45 - 13.00	Study and Suggestive Measures for Landslides
13.00 - 13.15	Cell Filled Concrete Pavement
13.15 - 13.30	A Research on Green Building in India
13.30 - 14.30	Lunch Break
14.30 - 14.45	Study of E- waste Disposal
14.45 - 15.00	Automated Highway Systems
15.30 - 15.45	Design of Paving Tile using Industrial Waste Bagasse
15.45 - 16.00	Utilization of plastic waste for making plastic bricks

Day – 2	11 June 2023
Conference Sessions	Presentations
Seminar Hall No. 208	Interactive Panel [Online Mode] [Time: GMT + 5.30]
10.30 - 10.45	Meta-Analysis on Some Plant Extracts Benefits on
	Neuropsychiatric Disorders Models Studied in Zebrafish
10.45 - 11.00	Feeding Ecology of Fish Populations from River Oituz
11.00 - 11.15	The Trophic Spectrum of Certain Fish Species from the
	Rancaciov River
	Pros and Cons in the Developing Countries Regarding E-
11.15 – 11.30	commerce Roles in the Daily Food Sector After COVID-
	19: Current Challenges and Recommendations
11.30 - 11.45	Zebrafish as a Model to Study the Effects of Environmental Concentrations of Antibiotics
11.45 - 12.00	Use of Information Technologies in Logistics: Example of E-Logistics
12.00 - 12.15	Advantages and Disadvantages of Use LC MS in Clinic
12.15 - 12.30	Reliable Treatment of Oxidative Stress Induced by SARS-CoV-2
12.30 - 12.45	Ketogenic Medical Nutrition Therapies and Their Use in Diseases
12.45 - 13.00	Childhood Obesity and Prevention Strategies
	A Study on the Biological Activities of Aspalathus
13.00 - 13.15	linearis
12.15 12.20	Chestnut (Castanea sativa): Evaluation of Biological
13.15 – 13.30	Activity
13.30 - 14.30	Lunch Break
14.30 - 14.45	Evaluation of Cucumis sativus in Terms of Biological
	Activity
14.45 - 15.00	Curcuma longa: Biological activities
15.00 - 15.15	Biological Potential of Lettuce
15.15 - 15.30	Biological Potential of Cress Plant, Known for its
	Nutritional Properties
15.30 - 16.00	Biological Activities of Edible Cherry Plum

Day – 2	11 June 2023
Conference Sessions	
Department:	
Seminar Hall No. 201	Interactive Panel [Online Mode] [Time: GMT + 5.30]
11.30 - 11.45	A Study on the Biological Activities of Pomegranate
11.45 - 12.00	Morphology, Ecology and Color Change of Leocarpus
	Fragilis (Dicks.) Rostaf
12.00 - 12.15	Slime Molds (MYXOMYCETES)
12.15 - 12.30	Fecal Calprotectin Elimination Level in Colorectal
	Crcinoma

Greetings from Arvind Gavali College of Engineering!

We are delighted to inform you that Samarth Educational Trust, Arvind Gavali College of Engineering in association with the Department of Medical Biology, Faculty of Medicine, Nigde, Omer Halisdemir University, Nigde, Turkey has organized The International Conference on Innovations and Recent Trends in Engineering and Science (ICIRTES-2023) on the 10th and 11th of June, 2023 in a Hybrid Mode.

The event will provide a platform for under-graduate, post-graduate students, faculty members, research scholars, industry personnel, and scientists in both Engineering and Science to present their ideas and concepts pertaining to recent innovations in the streams.

The conference also provides an opportunity for discussion on the solutions related to recent environmental issues such as pollution, flood, earthquakes, and disaster management.

We are looking forward for your gracious participation.

All the accepted papers will be published in ICIRTES-2023 Proceedings under ISBN: 978-81-961931-0-2 (Online – Electronic) and in Hard Bound (ISBN: 978-81-961931-1-9).

Dr. Gayatri Mirajkar Convenor ICIRTES – 2023

Chief Patrons:

Hon. Shri Arvind Gavali Chairman Samarth Educational Trust

Hon. Shri Nishant Gavali Secretary Samarth Educational Trust

Patron:

Dr. Vilas Pharande Principal Arvind Gavali College of Engineering Satara, Maharashtra, India

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Dr. Gayatri Mirajkar	- Arvind Gavali College of Engineering, In
Dr. B. M. Nayak	- Arvind Gavali College of Engineering, In

Co-Conveners:

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Mr. A. V. Gujar Dr. Maria Daglia Mr. S. P. Patil Dr. Eva Urgeova

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