

PAZHASSIRAJA COLLEGE, PULPALLY
DEPARTMENT OF VOCATIONAL STUDIES (AGRICULTURE)
NATIONAL SEMINAR
FUNDED BY UNIVERSITY GRANTS COMMISSION

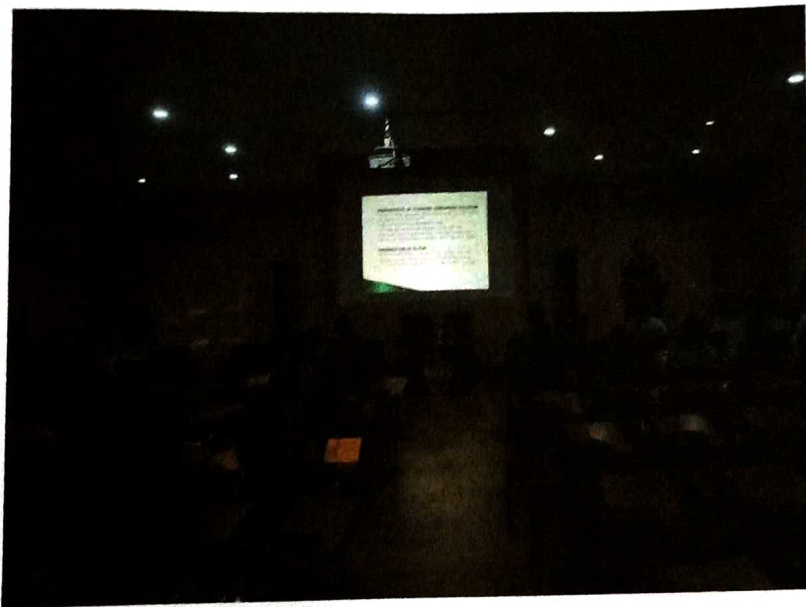
Topic: Food safety Management system and Global regulation


Date: 01/10/2019

Resource person: Dr. N. Anandavally,

Managing Director - Food Safety Solutions International"
Cochin.

The session was handled by Dr. N. Anandavally, Managing Director - Food Safety Solutions International" Cochin. The session was chaired by Dr. Geethu Daniel, Assistant Professor, Dept. of Biochemistry. The resource person handled the lecture on the topic 'Food safety Management system and Global regulation'. The speaker clearly emphasized the systematic approach to control food safety hazards within the food production and processing industry.




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Topic:Entrepreneurship as way of life'.

Date: 01/10/2019


Resource person:Mr. T. R. Ananthanarayanan, Managing partner- Foodastha,

Cochin

The fifth and final session was carried out by Mr. T. R. Ananthanarayanan, Managing partner- Foodastha, Cochin which was chaired by Dr. Smitha Chacko, Assistant Professor, Dept. of Microbiology. The resource person handled the session on the topic 'Entrepreneurship as way of life'.

5/10/19

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Topic: Precision Horticulture

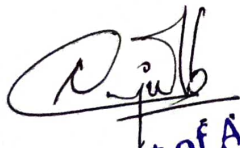
Date: 30/09/2019

Resource person: Dr. T. Sivakumar,

Associate Professor [CRP], Department of seed science &
Technology, AC & RI, Madurai, Tamil Nadu

The session was handled by Dr. T. Sivakumar, Associate Professor [CRP], Department of seed science & Technology, AC & RI, Madurai, Tamil Nadu which was chaired by Dr. Jomet Sebastian, Assistant professor, Department of Biochemistry. The session was based on the topic 'IoT for enhancing Food productivity' which clearly covered the internet of things, technologies and their working principles.


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Topic: Precision Horticulture

Date: 30/09/2019

Resource person: Dr. K Sekar,

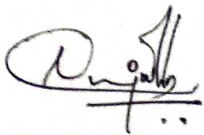
Department of Horticulture, Annamalai University, Tamil Nadu

The session was handled by Dr. K Sekar, Department of Horticulture, Annamalai University, Tamil Nadu which was chaired by Dr. Sridevi and he gave a lecture session on the topic 'Precision Horticulture'. He discussed the application of latest technologies including precision farming, satellite agriculture, drone technologies etc. in vegetable, fruit and others.

Precision Horticulture also known as precision farming, precision farming can be thought of as anything that makes farming practice more controlled and accurate when it comes to raising livestock and growing crops. In this approach of farm management, a key component is the use of IT and various items like sensors, control systems, robotics, autonomous vehicles, automated hardware, variable rate technology, and so on.

The adoption of access to high-speed internet, mobile devices, and reliable, low-cost satellites (for imagery and positioning) by the manufacturer are a few key technologies characterizing the precision agriculture trend.

The session was concluded with a note on the importance of adopting precision horticulture for the sustainable yield of crops as well as land.



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Topic: Game changing innovations and challenges in Smart Agriculture

Date: 30/09/2019

Resource person: Dr. S. Babu, Professor & Dean.
VIT - SAIAL. TamilNadu

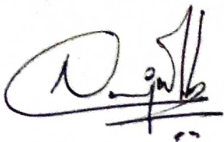
The resource person in his lecture elaborately dealt the novel ways and applications of modern technologies such as artificial intelligence, IOT, different applications etc. in secondary agriculture and the need of being smart in both conventional and secondary agriculture.

IoT-based smart farming, a system is built for monitoring the crop field with the help of sensors (light, humidity, temperature, soil moisture, etc.) and automating the irrigation system. The farmers can monitor the field conditions from anywhere. IoT-based smart farming is highly efficient when compared with the conventional approach.

When it comes to environmental issues, IoT-based smart farming can provide great benefits including more efficient water usage, or optimization of inputs and treatments. Now, let's discuss the major applications of IoT-based smart farming that are revolutionizing agriculture.

Precision agriculture is one of the most famous applications of IoT in the agricultural sector and numerous organizations are leveraging this technique around the world. CropMetrics is a precision agriculture organization focused on ultra-modern agronomic solutions while specializing in the management of precision irrigation.

The session covered all the major milestones in the field of IOT and the new technologies introduced in the field of agriculture.



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