INNOVATION & INCUBATION CELL

Nature of Program : On the eve of World Youth Skills Day, Seminar on Transforming Youth Skills to the Future: Scope for Environmental Skills

Chief Guest : K. Srinija Aparna, Founder of Enviro Kaamkar, Women Start-up Programme

Number of students : 100 students

Date : 15/07 /2022

Brief Report : The Innovation & Incubation Cell organized a Seminar on the eve of World Youth Skills Day. The Resource Person have explained the importance of skill development in youth and stressed the need for start-up programmes, self-employment and sustainability in the younger generation. She also focused on the importance of environment audit and the impact of start-up processes on the environment so as to propagate eco-friendly nature.

Resource person addressing students

K. Divya Sri and **J. Poojitha** of **II – B.Sc**, **Electronics Department**

have presented a mini project named **"Automated Unmanned**

Petrol Bunk System" is a user friendly and a good idea to reduce the long waiting queues at petrol pumps. The people have to suffer from the problems at a petrol filling station like no service, fraud or cheating and risk of robbery. This project is the complete solution to all these problems. There will not be any problem in adapting this technology. As people are becoming more and more technologically advanced this project can be more functional by adding some security features like fire sensor, smoke sensor and other safety equipment.

M. Namitha Shreya and **S. Bhavya Sri** of **II – B.Sc Electronics**

Department have also presented a mini project **"Foot Step**

Power Generator". The project is the best conservative reasonable and vital answer for average citizens of our country. This can be utilized for some applications especially in mobile phones. Mobile phones are used expensively and especially for all the activities ranging from booking rails, bus or plane tickets, for ordering food.

Thus, there are chances that the charging of the cell phones decreases speedily. In such cases, **"Foot Step Power Generator"** can be used to charge the cell phones as when required. India is a developing nation where **"Foot Step Power Generator"** plays a major role with gigantic population by utilizing this model. Both Alternating Currents (A.C) and Decelerating Currents (D.C) loads can be runned as indicated by the power on piezoelectric sensor.

Sk. Karimmunisa of **II – AZC** has prepared a model of **“Nest”** using biodegradable substances like dried leaves, stems and fibres.

D. Meghana, **Ch. Jahnavi Raj**, **K.V.N. Sravanthi** and **B. Akhila**

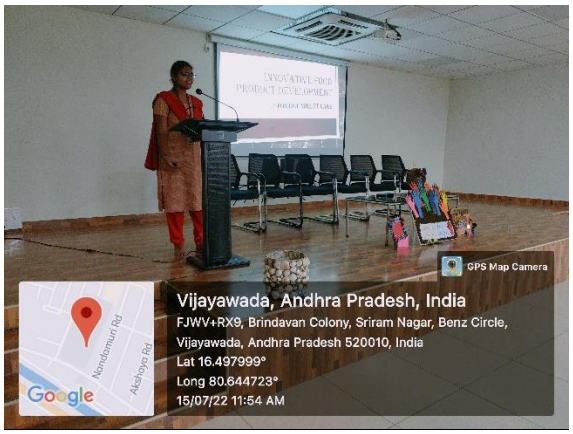
of Class **II – AZC** have created a model of **“Owl”** using the leaves, stems (dried twigs), coconut leaves etc.

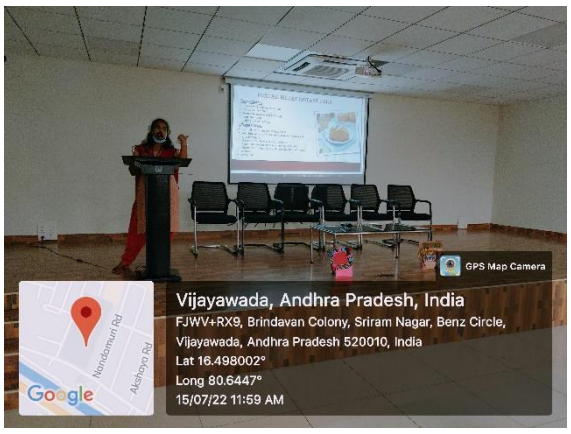
Ch. Sahithi, **B. Priyanka** and **G. Sravanthi** of **II – AZC** students have prepared a decorative model of a **“Clock”** which is made by disposable plates and shells.

Department of Food Science and Nutrition:

First years of **FMC** have given a Power Point Presentation about the **"Importance of seeds"** like Flax seeds, Sunflower seeds, Sesame seeds. They highlighted that these seeds have a great role to play in lowering of total blood cholesterol which in turn helps to reduce the risk of heart disease. They proposed the development of a product called **"Seed Crush"** Using Flax seeds and Sesame seeds and Spices.

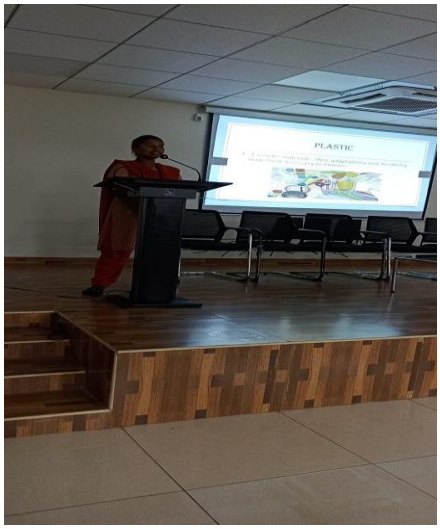
II FMC have explained the **"Preparation of Foxtail Millet Cake"**. Millets are rich in proteins and fibres. The potential health benefits of millets include preventing on-set of diabetes and to maintain the healthy weight.





Department of Biochemistry:

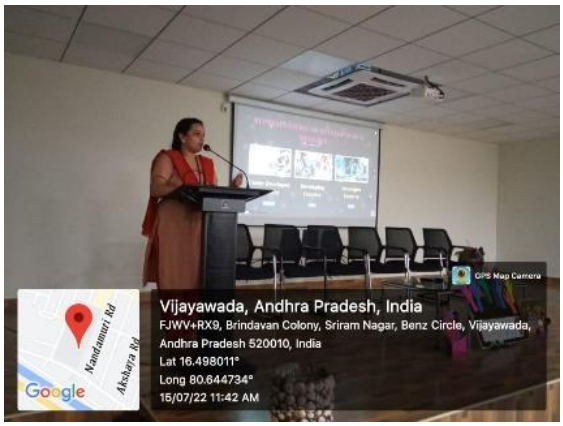
K. Bhavani and **Purnima** of **I – FMB** have given a Power Point Presentation on **"Single Use Plastic Materials**" and **"Impact of Plastic on Environment and Health"**. She also expressed her idea on alternative sources in place of plastic products to create a healthy environment.



II – FMB Students gave the Power Point Presentation on the **"Developing Youth – Developing Country**" and **"Learning and Skills for Life, Work and Sustainable**

Development" and Focused their views on manufacturing of

new products from recycled plastic.



Indoor Air Pollution reducing Plants in self-watering system

Self-Watering system planned by reusing Plastic Bottles and PVC pipe, Irrigation is performed by Capillarity. The wicks will transfer water from the reservoir to the Soil in which the pollution reducing Plants planted in plastic bottles setting up the system for **self-watering system.**

System set up **with pollution reducing plants** that need **very low maintenance & hardy Areca Palm** Areca palms filter out harsh chemicals including acetone, xylene and toluene, which accumulate from products such as nail varnish, detergents, wooden furniture, poor ventilation, gasoline, cosmetics etc.

Dwarf *Sansevieria*. Filter indoor air, even at night. Removes CO_2 ,Benzene, Formaldehyde, Xylene, trichloroethylene ,toluene

Pothos (Money Plant) purify the air of formaldehyde, benzene and carbon monoxide while also helping eliminate odors. Pothos can also help alleviate eye irritation after long days of staring at screens.

Song of India:**Dracaena reflexa** is included on the NASA list of top air-purifying plants—removing undesirables like formaldehyde, toluene and xylene from the air.

Spider plant: Chlorophytum sp considered among the easiest air-purifying plants to grow. It is effective in removing harmful chemicals from the air, such as carbon monoxide, xylene, formaldehyde and toluene.

Bio enzyme is a multipurpose liquid that can be used as nutritional supplement to plants clean floor, dishes. It can be prepared at home to save our environment.

Bio Enzyme can be prepared by using Ingredients such as- water, vegetable waste, fruit peels e.g. pineapple citrus rind etc. and Jaggery in 10:3:1 ratio respectively

Mosquito repellent dhoop sticks are prepared from the biodegradable waste; saw dust, cow dung, garlic peels, neem, basil leaves etc.
Another set up with a bottle filled with mosquito luring and trapping liquid also exhibited
A small lamp set up by using leaves of a plant with mosquito repellent property used as a wick immersed in neem oil to drive away mosquitoes.

Wicking bed - For urban areas set up:
An alternative to a kitchen garden that's easily maintained, uses very little water, doesn't take much space and is quick to set up. It creates better growing conditions for the plants.

Three wicking beds give a family stacks of vegies throughout the season.

Wicking beds water plants from below rather than above. They're basically containers with water reservoirs at the base - like a giant self-watering pot. Moisture is drawn up through the soil via a process called capillary action or wicking. This allows moisture to be more evenly distributed through the soil.