GOAL

2

ZERO HUNGER

ACHIEVE FOOD QUALITY, IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Partnering for a Better World

Education to formers

Awareness on food usage

Nutritious food

Training session on modern Agri tool usage

User friendly farm equipment

Quality of seed, plant, grains and food

VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
-Estd. u/s 3 of UGC Act 1956
NAAC A+ Accredited

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Awareness on the Nutritious Food

Date: 17.02.2024
Venue: Vignan Junior College Vadlamudi

17th February 2024 in the Vignan Junior College, Vadlamudi NSS students from CSE Department conducted Awareness on Nutritional food items. 20 students from CSE department who were part of NSS had participated in this event, and they are divided in teams, and they visited different classes to give awareness on nutritious food to the students of teenage.

This may bring awareness among them to avoid junk food, which helps in improving their health and prevents them from falling sick. It's very important for every student to take care of their health, as health plays an important role to excel in studies and get good scores and grades.

Anyway, participants were highly enthusiastic to make it a big success. To conclude this program on raising awareness about nutritious food mandatory for every citizen, let us remember that our journey to better health and well-being is a shared one. We are sowing the seeds of a healthier, happier future for ourselves and generations to come.

Volunteers taught students about healthy food, its nutritional value, and health benefits. They showed them how to incorporate these foods into their diets, potentially leading to better eating habits, improved health, and a reduced risk of diet-related problems.

Awareness on Nutritious Food at Vadlamudi on 17.02.2024

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Awareness on Health and Nutrition

Date :29.02.2024
Venue: Vejendla

We, the team UEAC, conducted an "Awareness on Health and Nutrition" event on 29 February 2024. The aim of the event is to educate individuals about the importance of maintaining a balanced diet and healthy lifestyle. The event focused on providing valuable information and practical tips to promote overall well-being through proper nutrition.

25 members including the chief organizers and chief coordinators took part in this event. The program began with an introductory session by the organizers, highlighting the importance of health and nutrition in maintaining overall well-being, followed by informative presentations on the fundamentals of nutrition, including the importance of vitamins, minerals, proteins, carbohydrates, and fats in the diet. Students engaged in discussions and interactive sessions to learn about the nutritional requirements for different age groups and lifestyles.

Our UEAC team members including chief organizers, chief coordinators, section coordinators and volunteers gathered in college. They have split into groups according to their disciplines of the branches, and each group has contributed their efforts to bring awareness to students. The event started at 2:00 PM and completed at 4:00 PM.

Awareness on Health And Nutrition on 29.02.2024

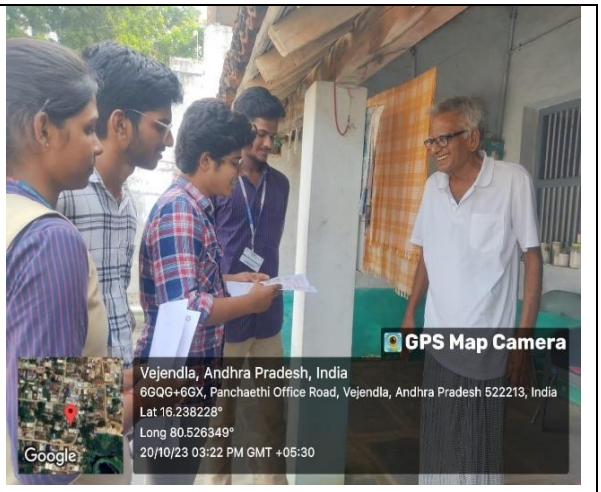
Awareness on Beneficial Foods

Date: 20.10.2023

Venue: Vejendla

On 20th October 2023, in the Vejendla village, the team UEAC conducted Awareness on beneficial food items in the locality of vejendla village. A total of 65 students have participated in this event, and they are divided into 7 teams, and they selected different localities to give awareness on beneficial food items to the people. Every team visited their given localities, and they promoted awareness on beneficial food items among village people that can greatly improve their overall health. Depending on age groups, participants address different food items and uses. From the age group of children to old age people. Anyway, participants were highly enthusiastic to make it a big success. To conclude this program on raising awareness about beneficial food items tailored to different age groups in our village, let us remember that our journey to better health and well-being is a shared one. We are sowing the seeds of a healthier, happier future for ourselves and generations to come.

An awareness event on beneficial food items typically includes increased knowledge among participants about the nutritional value of certain foods, their health benefits, and how to incorporate them into their diet. It can lead to healthier eating habits, improved overall health, and potentially a reduction in certain health issues associated with poor dietary choices.



Awareness on Beneficial Foods at Vejandla on 20.10.2023

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Awareness on Importance of millets

Date: 24.02.2024
Village: Narakoduru

On the 24th of Feb 2024, Awareness on the Importance of Millets was organized by the NSS wing food technology of VFSTR in the nearby Narakoduru village.

This event aimed to create awareness on the Importance of millet and to provide awareness among the students, reducing the health problems caused by Low immunity and educating the People on the proper precautions. The target audience for this event was the in the nearby village of Vignan's University.

This event began at 10:00 AM with a brief introduction about the NSS program and the significance of the event, with a total no of 20 NSS coordinators and volunteers. The NSS unit has reached a total of 300 people from the nearby village for this event.

After the introduction, the awareness on the Importance of Millets. The attendees were provided with a brief about this event by explaining the harmful effects of various diseases. This was delivered by the NSS coordinators and the Volunteers.

Awareness on Importance of Millets at Narakoduru village on 24.02.2024

Awareness on Diversity and Inclusion

Date:29.02.2024

Venue: ZPH School Vejendla

We, the team UEAC, conducted an "Awareness on Diversity and inclusion" event on 29 February 2024. The aim of event is to foster understanding, respect, and appreciation for diversity in all its forms. The event sought to create a welcoming and inclusive environment where individuals from different backgrounds feel valued and respected. This event was organised with the collaboration of MBA and BBA students.

25 members including the chief organisers and chief coordinators took part in this event. The event started with an opening address highlighting the significance of diversity and inclusion in today's society. The Diversity and Inclusion Seminar served as a platform for dialogue, reflection, and learning, encouraging participants to embrace diversity and work towards building communities that are more inclusive. By fostering empathy, understanding, and mutual respect, the event contributed to creating a more equitable and harmonious society where everyone feels valued and empowered to contribute their unique perspectives and talents

Our UEAC team members including chief organisers, chief coordinators, section coordinators and volunteers gathered in college. They have divided into groups, takes place according to their

disciplines of the branches, and each group has contributed their efforts to bring awareness in children. The event started by 2:00 PM. Finally, event completed at 4:00PM.

Awareness on Health and Nutrition

Date :29.02.2024
Venue: Vejendla

We, the team UEAC, conducted an "Awareness on Health and Nutrition" event on 29 February 2024. The aim of the event is to educate individuals about the importance of maintaining a balanced diet and healthy lifestyle. The event focused on providing valuable information and practical tips to promote overall well-being through proper nutrition.

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Awareness on Health And Nutrition on 29.02.2024

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PROCEEDINGS OF THE REGISTRAR

F.No.: VFSTR/Reg/A8/30/2023-24/02 **Dt: 29.09.2023**

Sub: VFSTR – Re-Constitution of "Waste Management Committee" – Regarding.

Re-Constitution of "Waste Management Committee"

ORDER

The Committee with the following composition is re-constituted to effectively manage the wastage collected from various blocks and hostels in the University: -

1. Dr. A. Siva Sankar, Professor – Civil Engineering – Chairman
2. Dr. D. Siva RamaKrishna – E.D., Sri Sai Manasa Nature Tech Pvt. Ltd. - Member
3. Dr. E. Shyam Sunder, CEO, Rejig green Logic Pvt. Ltd., Hyderabad- Member
4. Dr. Subhalakshmi Sen Gupa, Asst. Prof., Dept. of Chemistry – Member
5. Mr. K. Maria Das – Asst. Professor – Chemistry – Member
6. Mr. Hanumantha Rao – Sr. Asst. RO- Member
7. Mrs. Morampudi Anitha Rani, Sarpanch, Vadlamudi – Member

The Committee should ensure that, the following types of wastage is collected from various places of the University for storage and treatment: -

a) Organic Waste
b) Inorganic Waste (General waste from the blocks)
c) Liquid Waste

The wastage should be dumped behind the nursery in the silos made for the purpose in order to make compost which can be used for the plants as manure in our University.

The guidelines provided by the local authorities of Vadlamudi village from time to time may also be considered and followed while disposing the waste.

The Committee should meet at least once in three months to verify that all the procedures are followed while collection and disposal of waste material. The minutes of the meeting should be scrupulously maintained for record purpose.

REGISTRAR

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA

To
The Individuals concerned

Copy to
PA to the Vice-Chancellor
All Deans/HoDs
Chief Wardens
Physical Director
Assistant Registrars
Master file

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F.NO.VFSTR/Reg/A1/ /2023 30-09-2023

Sub: VFSTR- "Meeting of Waste Management Committee"- Regarding

MEETING OF WASTE MANAGEMENT COMMITTEE

MINUTES:

The committee on Waste Management met on 30-09-2023 to review the action taken on the points discussed in the previous meeting. The following members are present:-

1. Dr.A.Siva Sankar,Professor-Chairman
2. Dr.D.Siva RamaKrishna- E.D- Sri sai Manasa Nature Tech Pvt.Ltd-Member
3. Dr.E.shyam Sunder-CEO-Rejig green Logic Pvt.Ltd-Member
4. Dr.Subhalakshmi Sen Gupa,Asst.Prof;Dept.of Chemistry- Member
5. Mr.K.Maria Das- Asst.Prof;Dept.of Chemistry- Member
6. Mr.Hanumantha Rao-Sr.Asst.RO- Member
7. Mrs.Morampudi Anitha Rani,Sarpanch,Vadlamudi- Member

- The committee Discussed about to Improve the waste Management awareness of the students.
- The committee plan to conduct workshop on waste to energy production
- The committee Discussed to improve the waste collection points in the campus.

Chairman-WMC

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PA to the Vice-Chancellor
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All Deans/HODs

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F.NO.VFSTR/Reg/A1/ /2023 28-12-2023

Sub: VFSTR- "Meeting of Waste Management Committee"- Regarding

MEETING OF WASTE MANAGEMENT COMMITTEE

MINUTES:

The committee on Waste Management met on 30-09-2023 to review the action taken on the points discussed in the previous meeting. The following members are present:-

1.Dr.A.Siva Sankar,Professor-Chairman

2.Dr.D.Siva RamaKrishna- E.D- Sri sai Manasa Nature Tech Pvt.Ltd-Member

3.Dr.E.shyam Sunder-CEO-Rejig green Logic Pvt.Ltd-Member

4.Dr.Subhalakshmi Sen Gupa,Asst.Prof;Dept.of Chemistry- Member

5.Mr.K.Maria Das- Asst.Prof;Dept.of Chemistry- Member

6.Mr.Hanumantha Rao-Sr.Asst.RO- Member

7.Mrs.Morampudi Anitha Rani,Sarpanch,Vadlamudi- Member

- The committee Discussed about to Improve the number of Dustbins in the campus
- The committee Discussed to improve the waste collection vehicles in the campus
- Plan to create awareness to students utilization of color-coded bins in public spaces for effective manage the waste segregation

Chairman-WMC

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F.NO.VFSTR/Reg/A1/ /2023

25-3-2024

Sub: VFSTR- "Meeting of Waste Management Committee"- Regarding

MEETING OF WASTE MANAGEMENT COMMITTEE

MINUTES:

The committee on Waste Management met on 28-12-2023 to review the action taken on the points discussed in the previous meeting. The following members are present:-

1.Dr.A.Siva Sankar,Professor-Chairman
2.Dr.D.Siva RamaKrishna- E.D- Sri sai Manasa Nature Tech Pvt.Ltd-Member
3.Dr.E.shyam Sunder-CEO-Rejig green Logic Pvt.Ltd-Member
4.Dr.Subhalakshmi Sen Gupa,Asst.Prof;Dept.of Chemistry- Member
5.Mr.K.Maria Das- Asst.Prof;Dept.of Chemistry- Member
6.Mr.Hanumantha Rao-Sr.Asst.RO- Member
7.Mrs.Morampudi Anitha Rani,Sarpanch,Vadlamudi- Member

- The committee Discussed about to Launch an awareness campaign focused on reducing plastic waste and promoting recycling.
- The committee plan to Optimize waste collection schedules to reduce bin overflow in high-traffic areas.
- The committee Discussed to Identify and collaborate with local recycling companies for proper disposal of plastic waste.

Chairman-WMC

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F.NO.VFSTR/Reg/A1/ /2023

27-6-2024

Sub: VFSTR- "Meeting of Waste Management Committee"- Regarding

MEETING OF WASTE MANAGEMENT COMMITTEE

MINUTES:

The committee on Waste Management met on 25-3-2024 to review the action taken on the points discussed in the previous meeting. The following members are present:-

1.Dr.A.Siva Sankar,Professor-Chairman
2.Dr.D.Siva RamaKrishna- E.D- Sri sai Manasa Nature Tech Pvt.Ltd-Member
3.Dr.E.shyam Sunder-CEO-Rejig green Logic Pvt.Ltd-Member
4.Dr.Subhalakshmi Sen Gupa,Asst.Prof;Dept.of Chemistry- Member
5.Mr.K.Maria Das- Asst.Prof;Dept.of Chemistry- Member
6.Mr.Hanumantha Rao-Sr.Asst.RO- Member
7.Mrs.Morampudi Anitha Rani,Sarpanch,Vadlamudi- Member

- The committee Discussed about to Set up community composting units for organic waste.
- The committee plan to Pilot smart bins equipped with sensors to monitor fill levels in specific areas.
- The committee plan to identify key waste sources and patterns to reduce the waste.

Chairman-WMC

Copy to
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PA to the Registrar
All Deans/HODs

Waste Management @ VFSTR

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VFSTR: A Green Campus

VIGNAN'S
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Vadlamudi, Guntur Dist. Pin- 522 213.A.P., India.
www.vignan.ac.in

Waste Management at VFSTR

Vignan's Foundation for Science, Technology, and Research (VFSTR) has been preparing globally acceptable, industry-ready skilled professionals to aid the socio-economic transformation of the region as well as the country as a whole. It provides quality education in a diverse and intellectually stimulating environment. The institute celebrates the power of knowledge, cultivates vision and builds awareness about the self and society around. VFSTR (deemed to be University) situated in the rural area of Vadlamudi in Guntur district of Andhra Pradesh offers a pristine green environment to its students and staff. The campus employs an efficient solid waste management..

Key features of VFSTR waste management:

- Segregation of waste at Source
- Biogas Plant: 1000 KPD BioUrja plant
- Landfill and Compost
- Plastic Bottle Shredder
- Incinerators
- E-waste management (through third party)
- Sewage Treatment Plant for Liquid Waste Management
- MOUs with Industries for Waste Management

Solid Waste Management (SWM) at VFSTR

VFSTR campus comprises of Bhuvana Vijayam bhavan (A block), Vishweshwara bhavan (H block), Aryabhatta Bhavan (U block), Nagarjuna block (J block), M.L. Shroff building (Pharmacy block), Priyadarshini girls hostel, Vignan's Vihar boy's hostel, guest house, library building and the open campus. Solid wastes are collected regularly from these places and they are segregated at source. The waste generated on campus is broadly divided into wet waste and dry waste and toxic waste (chemical and sanitary waste). Total wet waste generated is 590 kg per day approximately. Dry waste is 335kg per day and toxic waste is about 115 kg per month approximately. The wet waste of campus is used in the biogas plant for generation of the bio gas which is in turn is used for cooking purpose. The plastic wastes are shredded compacted in the on campus plastic bottle and utilization for developing value added products is also carried out. The toxic waste are handled very judiciously. Three incinerators are present on campus for this purpose. The chemical waste from laboratories are handle very effectively and disposed of after proper treatment. The university also has various tie ups and several MOU's with various industries dealing with waste management for training and waste management purpose.

SWMatVFSTR

- Seggregation at Source

VFSTR has its focus on waste utilization and management. Sorting of wastes at sources for aids this process and this practice is conducted worldwide especially in developed countries.

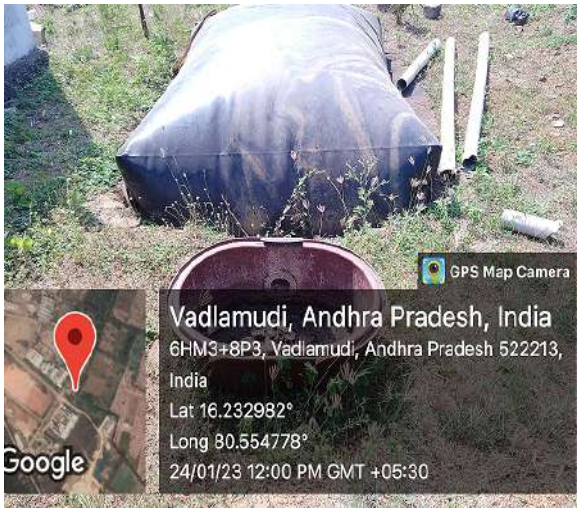
For this purpose, segregation of waste at source is done on campus. Colour coded bins are present for this purpose for the collection of wet waste (food waste, organic waste), dry waste, (plastic, papers etc.) and sanitary waste (sanitary pads, masks, gloves). Metal wastes (cans, containers, metal parts etc.) are also collected separately

Colour-coded dustbins @ VFSTR

SWMatVFSTR

- Biogas Plant: 1000 KPD BioUrja

The biogas plant which was established on campus in the year 2018 converts campus generated organic wastes into biogas which is again utilized for cooking purposes in hostel kitchen. The capacity of the plant is to digest 1000 kg of food waste per day and yield gas of about 70kg of LPG equivalent per day.



Biogas Plant at VFSTR

SWMatVFSTR

- Landfilling and Composting

Non hazardous solid wastes which are not re-utilized or given to any third party for their disposal and their storage requires open spaces are discarded in landfills at campus.

Since, VFSTR is a green campus dry plant parts constitute a significant part of the wastes. They are discarded at compost pits at campus.

Landfill and composting pits at VFSTR

Liquid Waste Management atVFSTR

A 600 KLD capacity sewage treatment plant system is being set up at VFSTR campus by Bluedrop enviro pvt. ltd. which uses the technology of artificially constructed wetland system. This technology uses phytoremediation and microbial remediation techniques for sewage water treatment. This STP is engineered to use the natural functions of vegetation, soil, and organism to provide waste water treatment.. After treatment this waster will be reused for gardening and car washing purposes.

STP at VFSTR

Biomedical & Sanitary Waste Management at VFSTR

VFSTR has three incinerators for disposal of biomedical and sanitary solid wastes.

VFSTR has installed a electrically heated incinerator of 30ltr capacity and having 7-9 KW electricity consumption at the animal house facility on VFSTR campus for incinerating animal wastes and other biotechnological and biomedical laboratory wastes on campus.

VFSTR campus has a sanitary napkin incinerator was installed at the girl's hostel premises for hygienic disposal of sanitary wastes. This incinerator had the capacity of burning 750 napkins per day.

Another incinerator was established at VFSTR at its medical centre which had a 3 KW single stage combustion chamber with a holding capacity of 5kg. The biohazardous wastes which included biological fluids, cotton, gauge pieces and sanitary napkins are safely incinerated here.

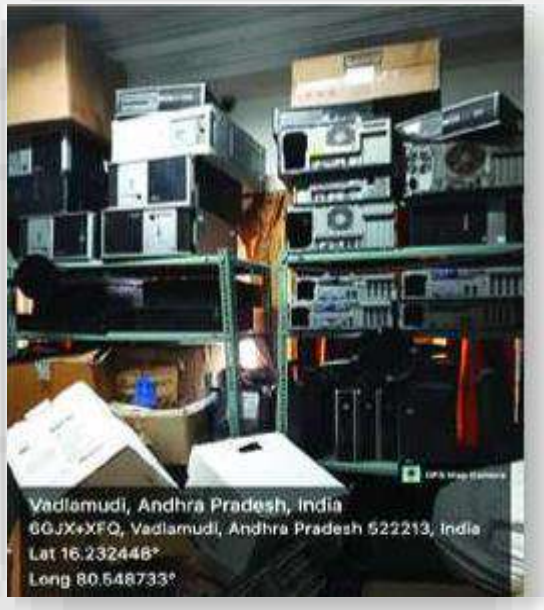
Incineration of biomedical solid wastes is one of the safest disposal methods and it reduces solid volume by 80-85%. Thus, such safe solid waste management practices are carried out on campus.

Incinerators at VFSTR

E-Waste Management at VFSTR

E-wastes or Electronic waste are one of the fastest growing component of solid wastes. E-wastes includes discarded computer equipment and variety of electronic devices.

VFSTR electrical equipment maintenance team is regularly monitoring E-waste generation and it routinely collects the electrical wastes and store and segregate them in the electrical store room before disposing them periodically through third party mediation.



Collection of E-waste at VFSTR

Plastic Waste Management

- Plastic Waste Shredder

Plastic waste management is area upon which VFSTR puts in a lot of importance VFSTR installed in its canteen an 100 L volume AVANTI BS 100P pet bottle shredder. In can shred 7 bottles per minute. This shredder is used in canteen in order to manage plastic wastes effectively and reduces littering and making them more manageable for recycling processes through third party mediation.

This shredded plastic flakes are used for research works in areas of development of materials from plastic wastes, plastic biodegradation studies etc.

Plastic Waste Shredder at VFSTR

Chemical Waste Management at VFSTR

Chemical and biological wastes generated in laboratories requires proper disposal.

At VFSTR, chemical wastes which are generated are not disposed with regular wastes. They are collected separately at the laboratories. The solvents are not discarded through sewerage lines. Instead they are collected separately. After separate collection they are disposed of properly with third party help at times.

Biological laboratory wastes containing microorganisms are heat killed in autoclaves before disposal.

Radioactive wastes are not generated at VFSTR laboratories.

Chemical Waste Management at VFSTR

MOUs with Industrial Partners

VFSTR has MOUs with industries for aiding our waste management initiatives on campus.

S.no	Company	Nature of MOU
1	IIC Academy, India	Training program for waste management
2	Kiwis Eco Laboratories Pvt Ltd., India	Skill development for environmental management
3	Adepto Geoinformatic Pvt. Ltd., India	Research project collaboration in geospatial services and waste management
4	Ladder survey institute of technology, India	Program and research projects in land survey and waste management
5	Provenance IT solutions Pvt. Ltd., India	Knowledge and skill development in area of environment and training program in waste management
6	Sri sai manasa Nature tech Pvt. Ltd., India	Skill development in environmental management training and research in solid
7	Ipage UM services Pvt. Ltd., India	Professional program in UAV applications and solid waste management
8	Veloway Env. Solution Pvt. Ltd., India	Training program in the area of environment for student and faculties
9	Nuthalapathy Quality control lab, India	Training and research program in the area of waste management

VFSTR team at Jindal Urban Waste Management Plant, Guntur

Aiming towards “Swachh Bharat” ...

स्वच्छ भारत

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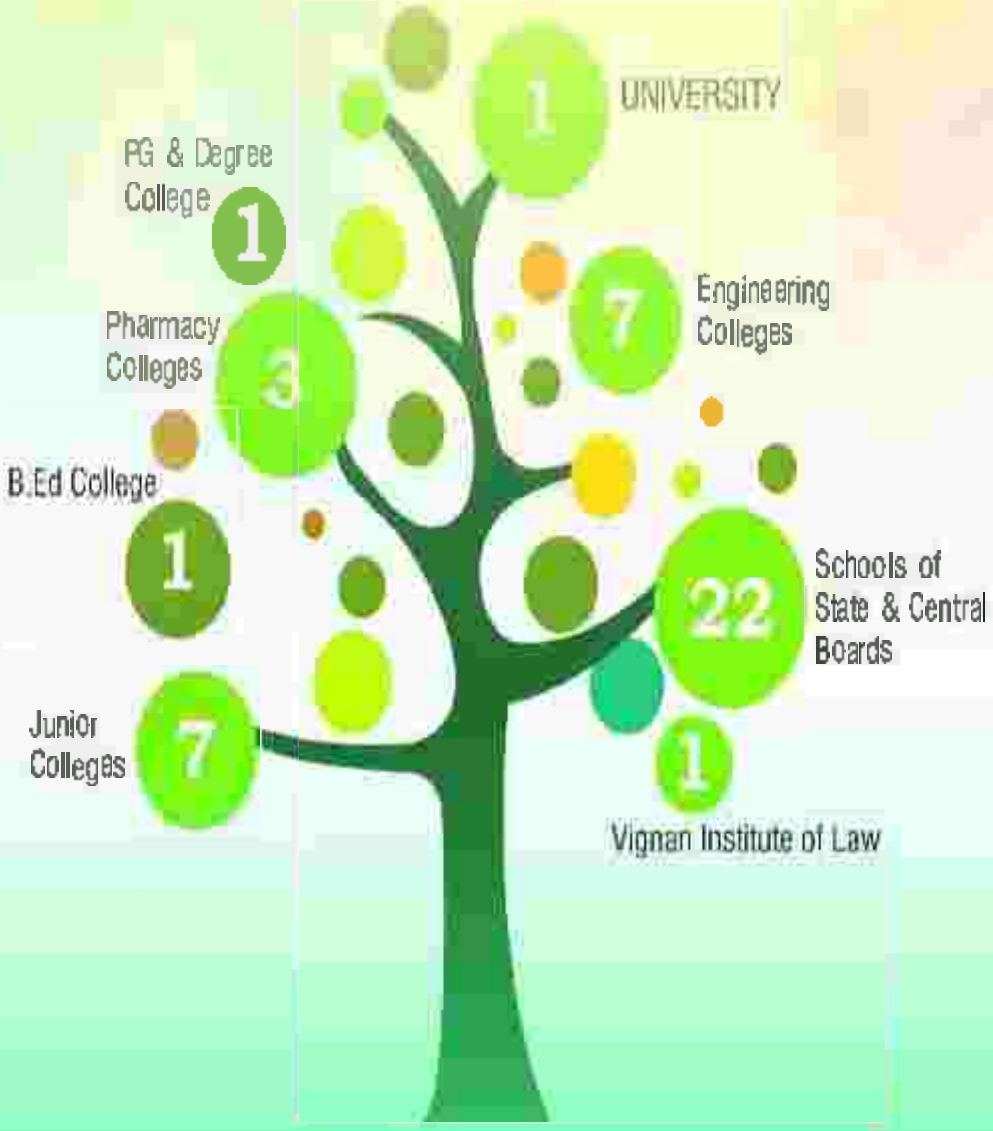

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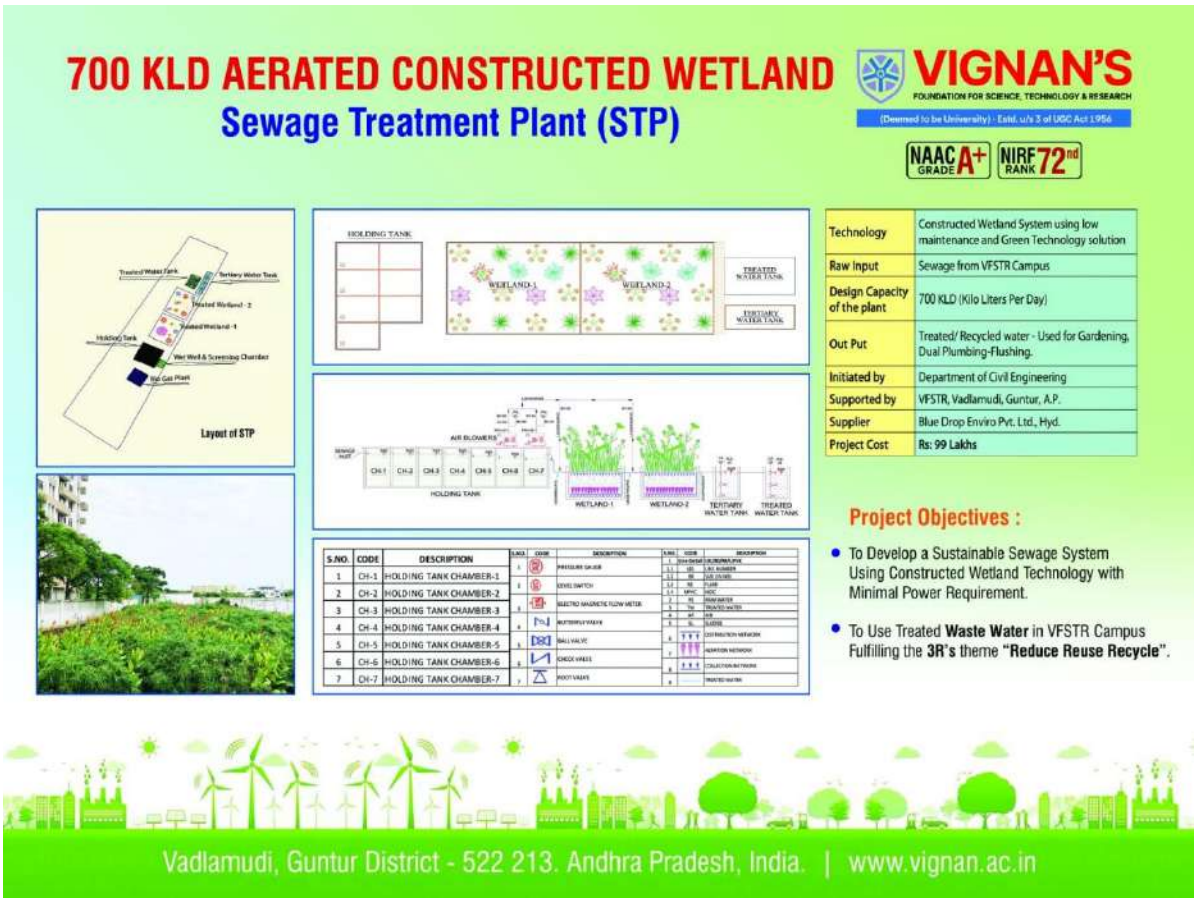
700 KLD STP VFSTR

A **700 KLD Constructed Aerated Wetlands STP** is a type of **nature-based sewage treatment plant** that uses **aerated wetland systems** to treat 700,000 liters of domestic or industrial wastewater per day. This technology combines the ecological treatment approach of constructed wetlands with **mechanical aeration** to enhance biological activity and treatment efficiency.

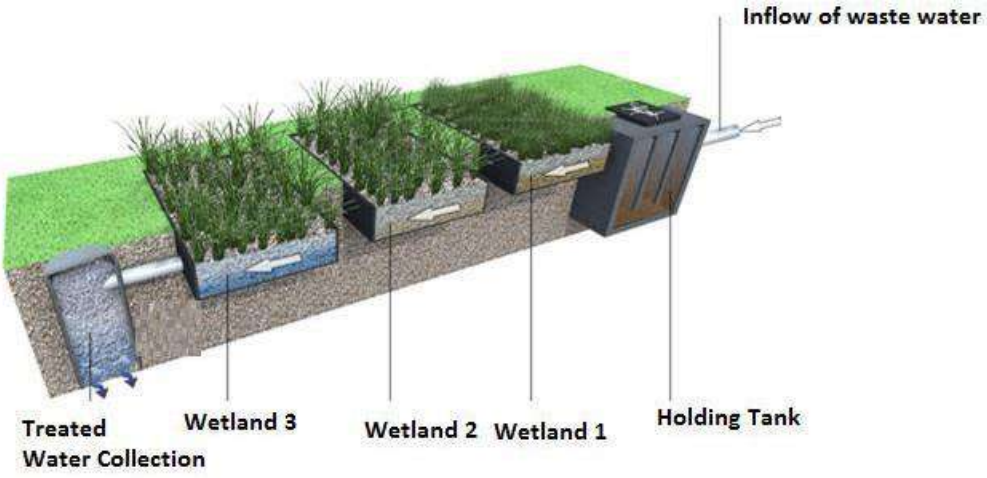
1. Boomi Pooja : 03rd Feb 2021
2. STP in Operation : 22nd Nov 2021
3. AMC : AMC Approved, but is not in force
4. In charge Faculty : Dr. M.V.Raju, CE
5. Technician : Mr.B.Anil Kumar, CE
6. Total Cost of Project : 99 Lakhs
7. Details of Machinery : 700 KLD Holding Tanks,
   725 m^3/hr 300 mbar Blowers (2No.)
   Control Panels for Blower, Pumps, EMF meter
   Ozonator (75g/hr.)
   2200CW-3HP-590LPM Submerged Pump
   Electromagnetic flow meter
8. Utilization per Day : Microbes (2-5g/1KL)
   Hypo (5LPD)
9. In Flow :100 – 150 KLD (KILO LETER PER DAY)
   Out Flow : 80-85 KLD
10. Financial Implications: Currently no operating cost, Only Microbes,
    Hypo and some periodical manintance at the range of 1.5-2.0 LPA.
11. Future requirements : Wastewater Discharge channel can be connected to STP,
    Excess Treated water can be transfer to in house Lake,
    Needs Beautification and landscaping around the Plant.
12. Working Condition : Currently Active

Inauguration and Foundation Stone Laying of Sewage Treatment Plant Project by the Chairman

Constructed Wetland Layout



STP Detailing



Process diagram of STP

Domestic Water Demand

The quantity of water required in households for drinking, bathing, cooking, washing, etc., is called domestic water demand and mainly depends on the habits, social status, climatic conditions, and customs of the people. As per IS: 1172-1963, under normal conditions, the domestic consumption of water in India is for residential about 135 litres/day/capita for non-residential 55 litres/day/capita

Per capita consumption

S.No.	Group of People	No. of Heads (Approx./ year wise)	2023-24	2022-23	2021-22
1	Students non-residential @135	5400 5900 5200	5400@55 2,97,000	5900@55 3,24,000	5200@55 2,86,000
2	Students residential @135	3600 2100 1800	3600@135 4,86,000	2100@135 2,83,500	1800@135 2,43,000
3	Staff @55	1200 1100 1000	1200 @55 66,000	1100@55 60,500	1000@55 55,000
Volume (L)/Day			8,49,000	6,68,000	5,84,000
Total Volume (L)/Acad. Year			8,49,000@191 162,159,000	6,68,000@191 127,588,000	5,84,000@191 111,544,000

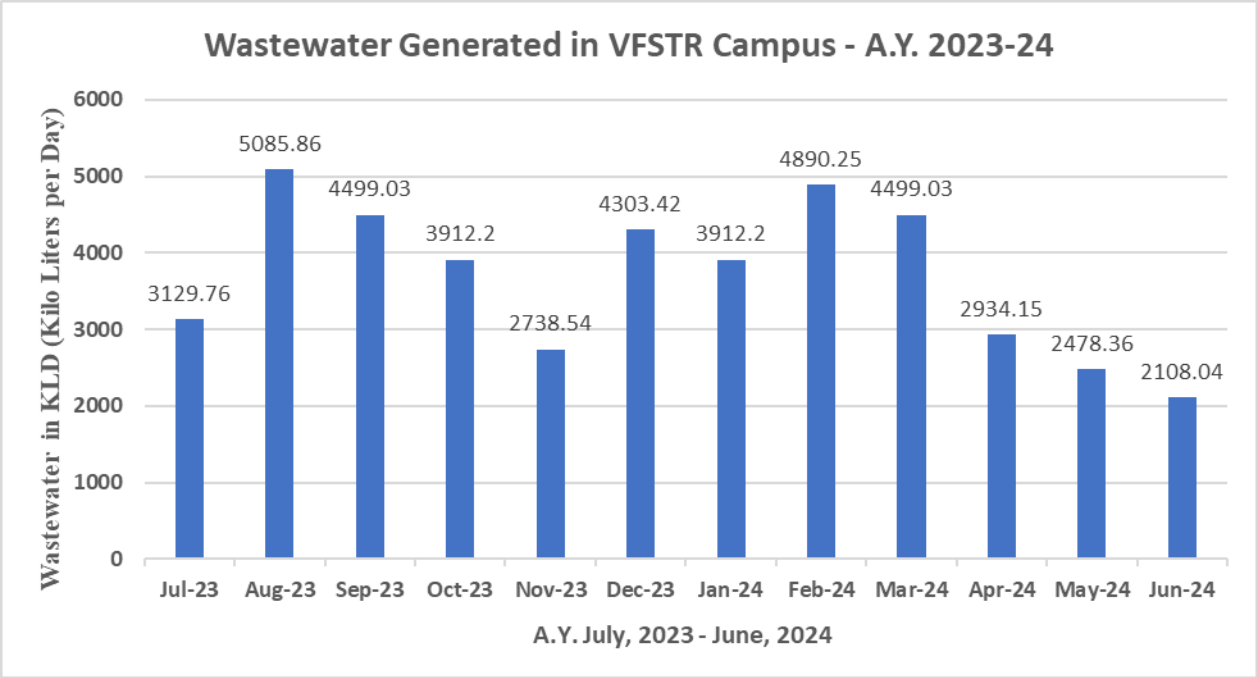
Volume of Wastewater generated (approx) = 407.520 KLD

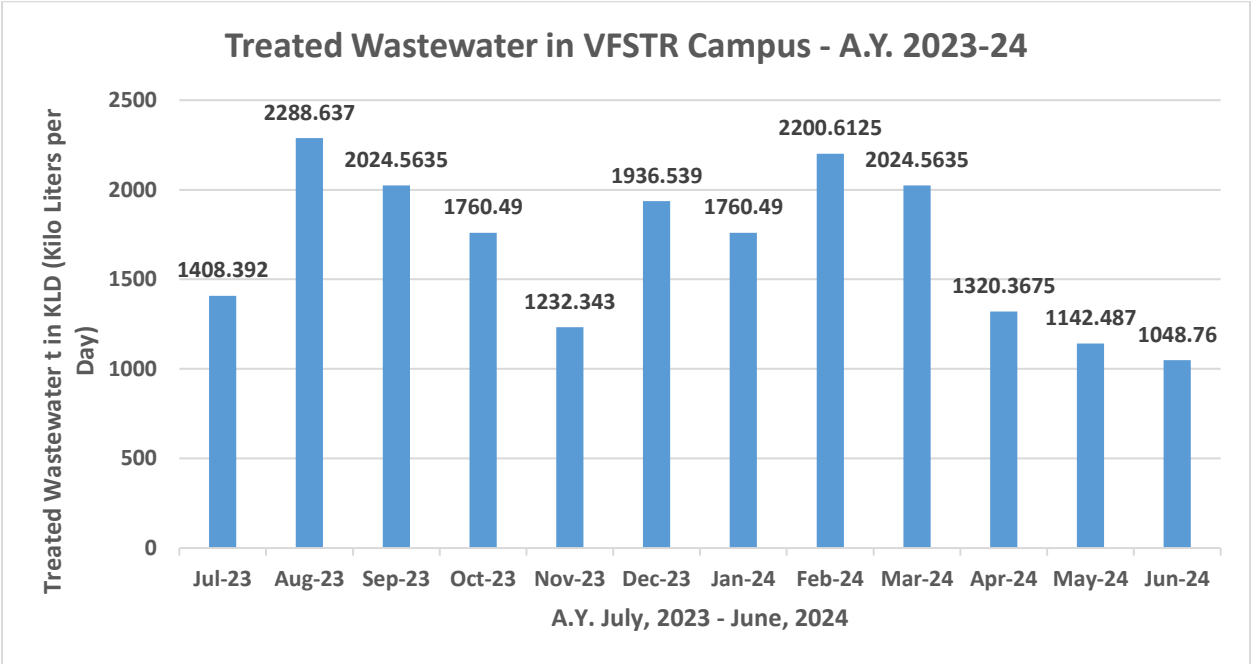
Volume of Wastewater entering sewers for treatment = 195.610 KLD (Avg.)

Volume of Treated Effluent = 86,500 KLD. (Avg.)

Note – **KLD** refers to Kilo Liters per Day.

Inflow and Outflow Characteristics of Raw and Treated Wastewater at STP





The above graphical representation deciphers the inflow wastewater and treated wastewater in the VFSTR Campus, Vadlamudi during the Academic Year 2023-24. The treated wastewater generated from the Sewage Treatment Plant (STP) is being effectively utilized within the campus premises for **watering plants and trees**, maintaining grass in the **cricket ground**, and for **dust suppression** on internal roads, thereby promoting sustainable water reuse and conservation practices.


AP07TH
7868


WATER TANK

Technical Specifications:

The STP contains one holding tank, two wet lands and one tertiary tank and Clear water tank. The holding tank is constructed with raft foundation by using PCC (Plane cement concrete) and RCC (Reinforced cement concrete); retaining walls and slab are constructed with RCC. The wet lands and tertiary tank are constructed with raft foundation by using PCC (Plane cement concrete) and RCC (Reinforced cement concrete); retaining walls are constructed with RCC. For the construction of STP required building materials used are like concrete and steel.

WETLANDS FUNCTIONING

The dimensions of Aerated constructed wetland (1 no) = 19m X 14.7m X 2m.

The wetland is composed of

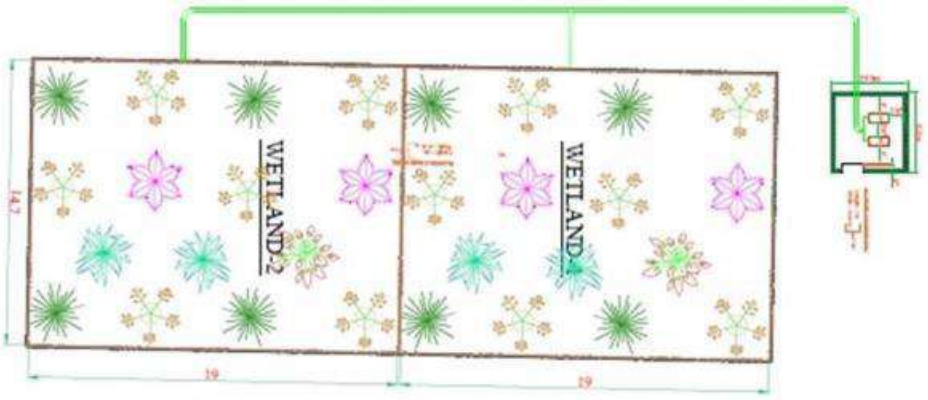
a) Aeration network, b) Treated Network, c) Local gravel (20mm size)

d) Plant species.

A) Aeration network:

- Aerated wetland application is one where aeration is introduced in the wetlands cells with external air blowers.
- This aeration network is laid on 20mm filled aggregate at 100 mm or 0.1m from the RCC raft.
- The maximum run time of the blowers being 4 to 6 hr per day at peak load.
- Aeration pipes C/C 80 mm

Aeration Network

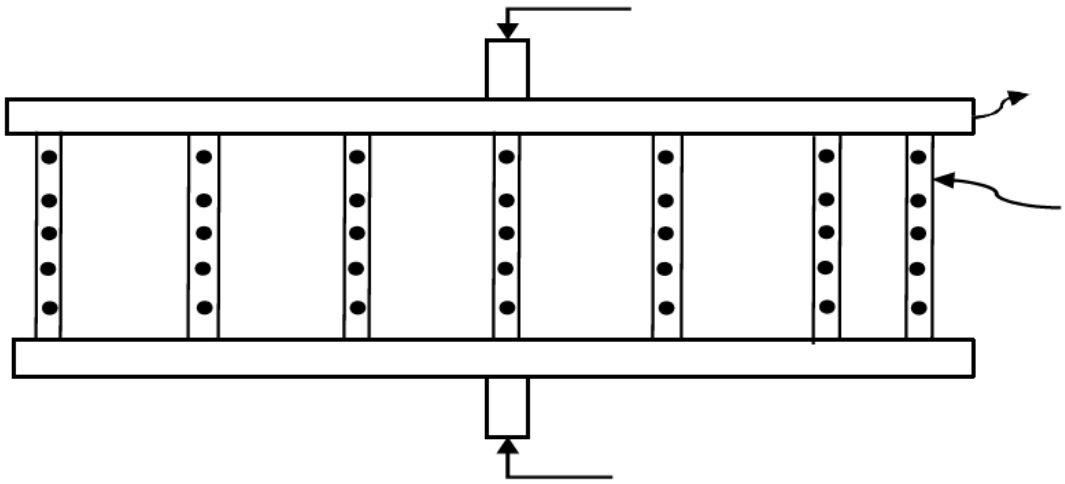


Sketch of Connections to Air blowers

20mm Gravel Filling

B) Treated or Sewage network:

- This network distributes sewage water from holding tank to wetlands 1 and 2.
- This network is laid on 20mm filled aggregate at 100 mm or 0.1m above the aeration pipes or 200 mm or 0.2m from the RCC raft.
- Then the wetlands are filled with 1.6m deep 20mm gravel.
- A Similar network is laid on this gravel at 1600 mm or 1.6 m above the existing treated network or 1800 mm or 1.8m from the RCC raft.



Sewage water from holding tank
Treated or Sewage network

Treated or Sewage network @ Site

Treated Network @ 1.8m from RCC Raft

Local gravel (20mm size) – 1500 Tons of local 20mm Gravel has been used

C) Plantation:

- There are eight varieties of plant species like wild canna indica, cypressalternifolius, thaliadelibeta, spidarlilly, wadeliaalamanda, lanena yellow and bouganvilla mix.
- These species filter the impurities in the waste water by phytoremediation technique.

D) Tertiary Treatment – Ozonation

Usage of Ozone in STP:

- **Ozone is a powerful oxidizer that breaks down odor molecules**
- **Chemical-Free Purifier & Deodorizer**
- **Significantly Reduces Bacteria Growth**
- **Clean Work Environment**

Maintenance of STP

Periodical maintenance of STP is carried out at regular intervals to ensure efficient and uninterrupted operation. The maintenance activities include inspection and cleaning of screens and tanks, checking of pumps and blowers, monitoring of sludge levels, and calibration of instrumentation systems, thereby ensuring consistent treatment performance and compliance with discharge standards.

Periodical Maintenance of Sewers connected to STP

Clearance of Grit and removal of settled sludge in Tertiary Tank

Field Observations – Student Visit to STP

Field visits to the STP are essential for students to gain practical exposure and understand the real-time functioning of various treatment units. Such visits enable them to observe inlet characteristics, treatment processes, sludge handling, and effluent reuse practices, bridging the gap between theoretical knowledge and field application. These observations help students develop a comprehensive understanding of the operation, maintenance, and performance evaluation of wastewater treatment systems.

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Biogas Facility

Supported by VFSTR under the Central Level Infrastructure

(Established in 2018)

Dr. Charles David
Faculty In-Charge, Biogas Facility
Associate Professor
Department of Biotechnology

Vignan's Foundation for Science, Technology and Research
Vadlamudi, Guntur 522213,
Andhra Pradesh, India.

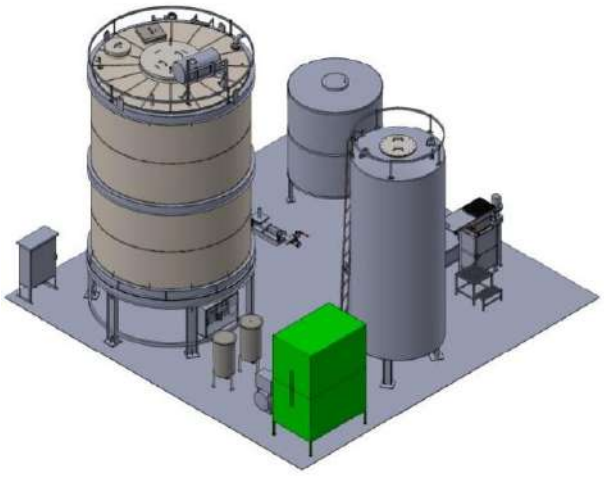
About the Biogas Facility

The Department of Biotechnology, VFSTR proposed the concept of "*Waste to Wealth*", a solid-waste management system for our University campus. The objective is to emphasize "*Green Campus*" by converting organic solid waste into biogas. The project cost is Rs.70 Lakhs which includes the purchase and installation of the pre-fabricated Biogas unit, *BioUrja-1000KPD* from GPS Renewables, Bengaluru.

The *BioUrja* utilizes food wastes generated from Vignan's Hostel kitchens as raw material. The highest productivity of Biogas is 70 Kg LPG-equivalent per 1000 Kg of wet waste per day. The Biogas unit was commissioned in December 2018. The biogas plant is maintained at pristine working conditions by specifically trained and skilled Biogas plant operators. The biogas generated since commissioning is been used for cooking purposes in the Hostel Cafeteria kitchen.

Objectives

- To generate renewable energy in the VFSTR campus
- To execute a fool-proof solid waste management system at our campus
- To achieve waste minimization & a Green campus
- To generate alternate fuel source for hostel kitchen cooking
- To promote the concept of "Waste to Wealth"



Daily activities at the Facility

a. **Check the pH of the Hydrolyser**

A pH meter with a glass electrode suitable for analyzing the acidity of the food-waste slurry was used to measure the pH value of the liquid in the hydrolyzer and bioreactor. A solution of lime hydrate was used to adjust the pH level in the hydrolyser.

b. **Test the pH of the Digester**

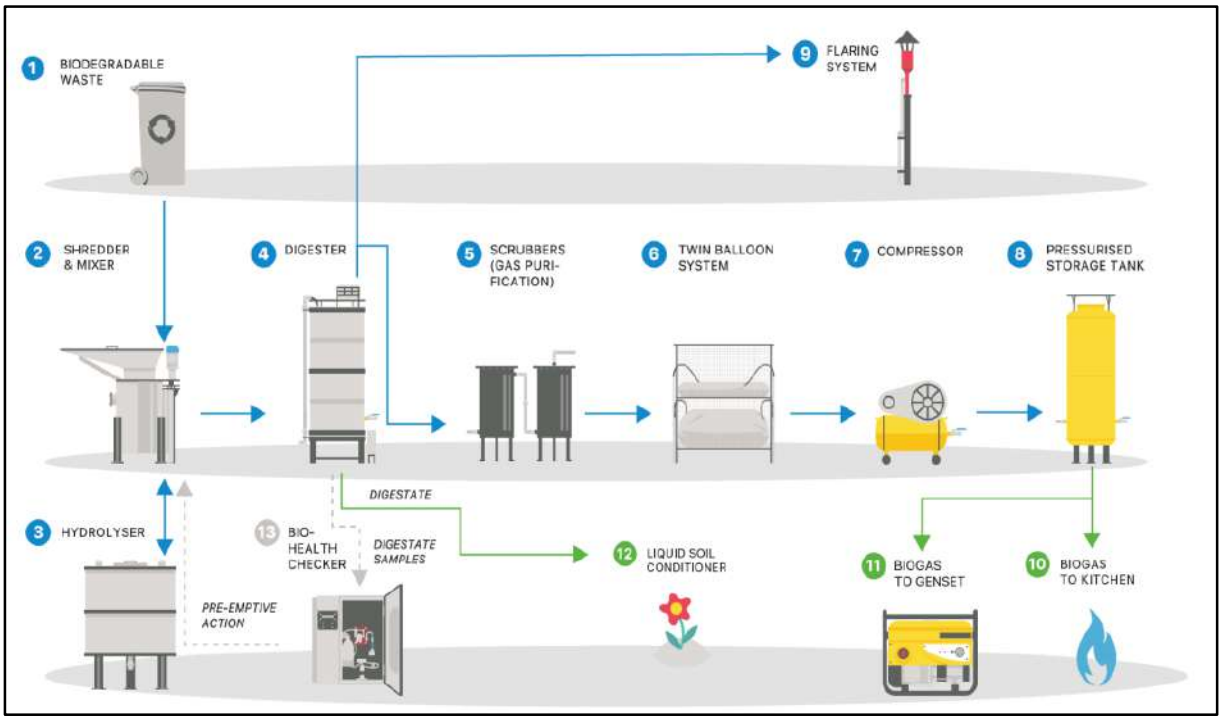
The pH level of the Digester was measured using an auto-titrator equipped with a glass electrode suited for assessing the acidity of the hydrolyzed liquid. Based on the pH of the digester, the bio-health of the system can be quantified.

The picture shows feeding the pulverizer

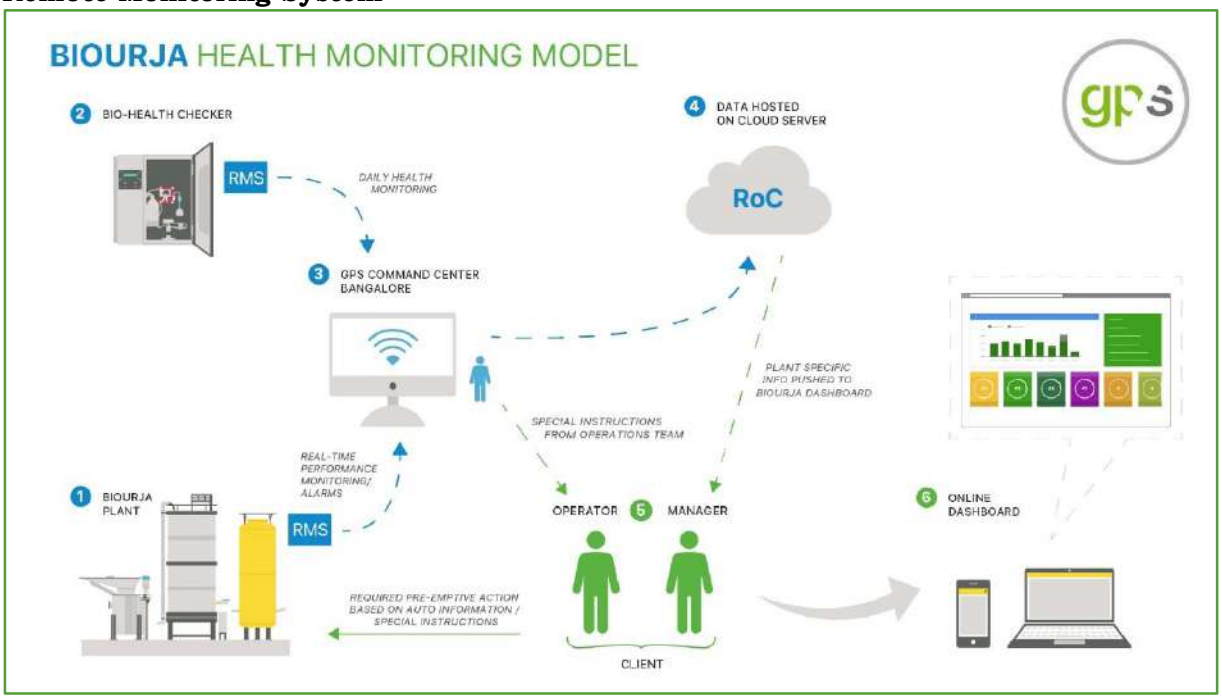
System components

Sub System	Specifications
Input system	• Shredder to process food waste at 250 kg/hour • Hydrolyzer unit • Sludge pump to feed the hydrolyzed waste into the digester
Reactor system	• Digester with heating system to enable faster digestion and minimal area requirement – 60 m^3 • Heating and proper mixing enable micro-mixing for higher stability
Gas Management System	• Scrubbers to remove H_2S and CO_2. • Automated temporary storage system – twin gas balloons – 1 cu. m. • Compressor unit – 6 cfm. • Gas storage pressure vessel for compressed gas – volume 11 cu. m. • Automated flaring system to burn in case of non-utilization of gas • Biogas supply via SS pipeline and Biogas burners
Automation and Monitoring	• Industrial control system for plant operations • 24x7 remote monitoring system for the safety and performance of electronically controlled systems
Bio-health Management	• Auto-titrator to track the biological health of the system • Trace elements are added to maintain bio-health

The Process Flow



Remote Monitoring System



Preventive Maintenance

Since the commissioning of the Biogas Plant, preventive maintenance has been performed every quarterly during which the whole plant will be checked for any possible failure or breakdown of the various equipment on board. Quarterly Preventive Maintenance protocol ensures uninterrupted operations and Biogas generation. During this scheduled program, many of the spare parts, engine oils, oil filters, power belts, scrubber fillings, etc. will be replaced as a part of the service procedure. On completion of the maintenance works, a detailed report will be submitted by the maintenance personnel to the faculty incharge.

Remote monitoring system

Figure showing Dashboard of Remote Monitoring System for BioUrja1000KPD

MONTHLY GAS REPORT

Doc No:	GPRSPL/MGR/01
Issue No & Date	01 & 05.07.2022
Revesion No & Date	00 & 05.07.2022

MONTHLY WASTE PROCESSED , BIOGAS PRODUCED & CONSUMED DATA SHEET

CLIENT NAME			VIGNAN UNIVERSITY		
DATE	WASTE PROCESSED	GAS PRODUCED	GAS FLARED	NET GAS PRODUCED	GAS CONSUMED
	In HYDROLYSER Kg	In m3	In m3	In m3	In m3
1-May-24	800	86.00	15.18	101.18	77.08
2-May-24	809	80.00	13.80	93.80	79.67
3-May-24	760	112.00	0.15	112.15	112.22
4-May-24	600	103.00	23.40	126.40	110.26
5-May-24	0	100.00	16.59	116.59	100.00
6-May-24	0	100.00	11.09	111.09	100.00
7-May-24	800	112.00	12.70	124.70	128.39
8-May-24	800	84.00	15.64	99.64	83.34
9-May-24	700	91.00	18.41	109.41	90.34
10-May-24	0	72.00	9.58	81.58	70.24
11-May-24	800	82.00	18.52	100.52	79.91
12-May-24	0	66.00	7.63	73.63	65.45
13-May-24	0	19.00	0.28	19.28	16.36
14-May-24	0	60.00	5.65	65.65	67.56
15-May-24	500	103.00	1.40	104.40	103.45
16-May-24	700	110.00	3.19	113.19	102.08
17-May-24	0	91.00	16.24	107.24	74.70
18-May-24	800	88.00	12.27	100.27	98.34
19-May-24	0	0.00	85.15	85.15	12.55
20-May-24	820	77.00	14.25	91.25	72.50
21-May-24	800	89.00	16.92	105.92	89.99
22-May-24	600	104.00	3.35	107.35	85.73
23-May-24	600	93.00	16.47	109.47	93.87
24-May-24	600	98.00	1.18	99.18	91.84
25-May-24	600	92.00	2.95	94.95	99.25
26-May-24	0	80.00	11.95	91.95	80.00
27-May-24	620	100.00	14.09	114.09	107.94
28-May-24	660	108.00	52.19	160.19	109.79
29-May-24	600	59.00	48.67	107.67	55.44
30-May-24	400	86.00	14.78	100.78	85.45
31-May-24	400	107.00	27.66	134.66	105.82

Total Waste Processed	In Kg	14769
Total Gas Produced	In m3	**3163.31**
Equivalent to LPG	In Kg	1638.59
Total Gas Flared	In m3	511.31
% of Gas Flared	in %	16.16%
Total Gas Consumed	In m3	2649.56
Equivalent to LPG	In Kg	**1372.47**

Prepared By :

(Sharadhi AM)

GPS RENEWABLES PVT. LTD. BANGALORE

Verified By :

(Vignesh V)

WASTE PROCESSED *VS.* BIOGAS GENERATED

ASSESSMENT DURATION – JUNE 2023 – MAY 2024

Month	Waste processed (Kg)	Gas generation (m^3)
Jun-23	6940	1434.78
Jul-23	9735	1768.86
Aug-23	8270	1212.8
Sep-23	11469	1632.15
Oct-23	12840	1848.08
Nov-23	11820	1536.04
Dec-23	11840	1449.09
Jan-24	11440	2043.78
Feb-24	14380	2291.52
Mar-24	15299	2404.46
Apr-24	16140	2960.75
May-24	14769	3163.31
Total	**144942**	**23745.62**

NOTE: 23,745.62 cubic meters of biogas corresponds to ~approximately 131,988 kWh of energy content in calorific value terms.

Dr. Charles David
Faculty in charge – Biogas Facility
Associate Professor, Dept. of Biotechnology
Mail: drcd_bt@vignan.ac.in

Detail of operation personal at the Biogas Plant Facility.

Operator Name: Mr. Siva Naga Raju [Emp. Code: 01872]
Designation: Biogas Plant Operator
Date of Joining: 17.01.2019;
Phone: 77993 04548

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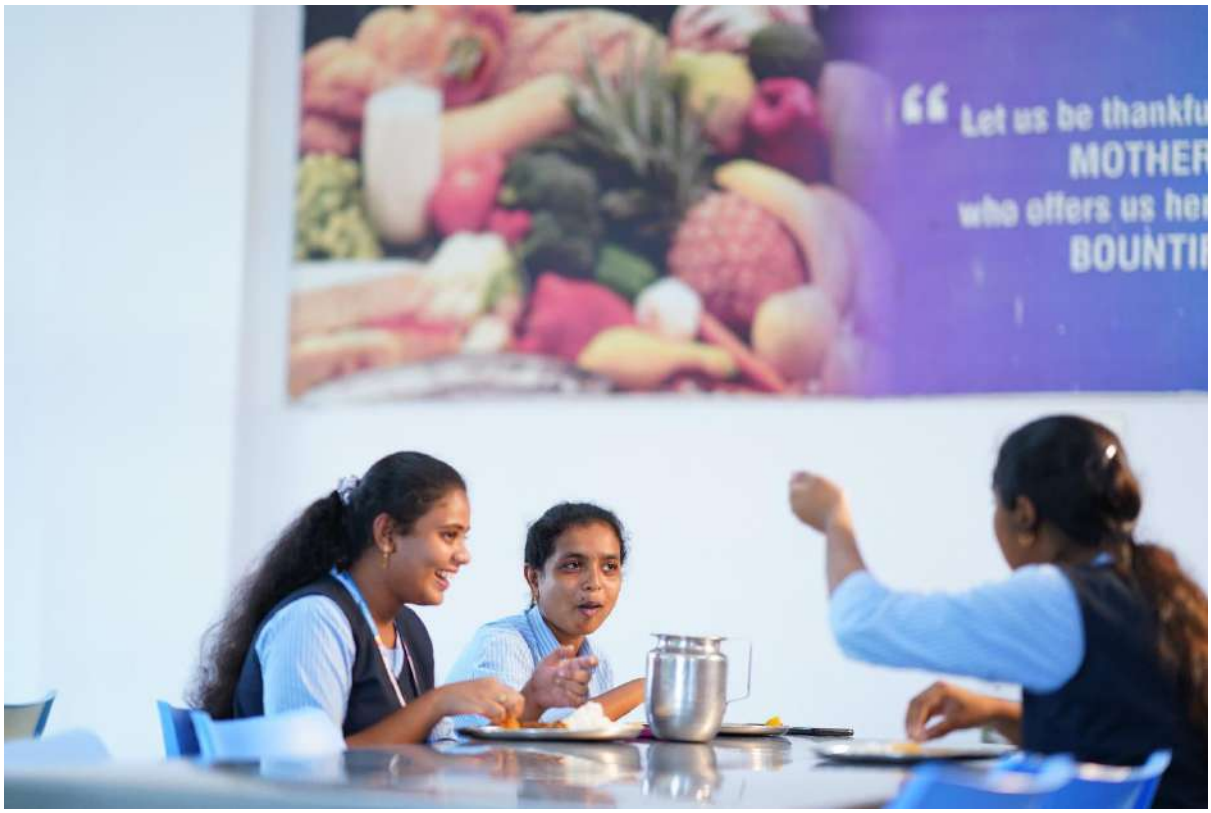
The University provides food for the students with a variety of menu for the International Students, North Indian Students, South Indian Students and Separate menu for Girl's hostel students.



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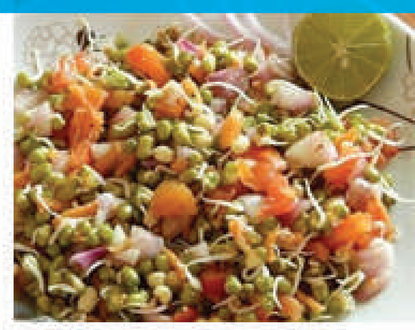
VIGNAN VIHAR BOYS HOSTEL

FORGIEN STUDENTS MESS MENU

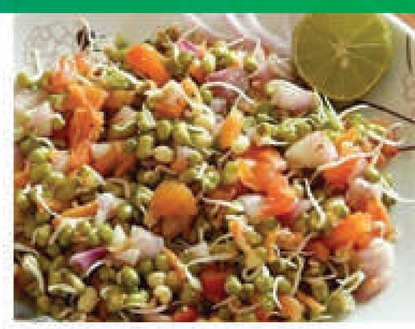
Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Bun, Jam Cornflakes, Oats, Vada, Idly, Milk, Coffee	Cauliflower, Egg, Pulka, Rice, Curd, Spinach, Aalu 65	Noodles, Milk, Tea, Pulses	Potato Fried Beans, Fruits, Potato Finger, Pulka, Dal Fry, Rice, Curd
TUESDAY	Bun, Jam Cornflakes, Oats, Chapati, Milk, Coffee	Cabbage, Rice, Pulka Curd, Pulihora, Coriander Rice, Potato, Aalu 65	Biscuit, Sweet & Salt Milk, Tea	Veg. Biriyani Rice, Potato Finger, Egg Bhurji, Brinjal Fried, Rice, Curd
WEDNESDAY	Bun, Jam Cornflakes, Oats Dosa, Idly, Milk, Coffee	Aalu Bhurji, Pulka, Dal Fry, Aalu 65, Rice, Curd	Cream Bun, Milk, Tea, Pulses	Chicken 65, Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry
THURSDAY	Bun, Jam, Cornflakes Oats, Idly, Milk, Coffee	Cauliflower, Dal Fry Pulka, Rice, Curd, Lady Finger, Aalu 65	Dilpasand, Milk, Tea, Pulses	Allu Finger, Egg Rice, Curd, Pulka Beans & Potato, Fruits
FRIDAY	Bun, Jam Cornflakes, Oats Chapati, Idly, Milk, Coffee	Aalu Spinach, Aalu 65, Dal Fry Pulka, Rice, Curd	Veg. Puff / Cake, Milk, Tea, Pulses	Chicken 65 Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry
SATURDAY	Bun, Jam Cornflakes, Oats Dosa, Idly, Milk, Coffee	Cauliflower Curry, Dal Fry Pulka, Rice, Curd, Brinzal Fire, Aalu 65	Cream Bun, Milk, Tea, Pulses	Cabbage, Rice, Curd, Pulka Spinach, Fruits, Egg
SUNDAY	Bun, Jam Cornflakes(1), Oats(1), Idly, Milk, Coffee	Cauliflower, Spinach, Pulka, Dal, Fry, Rice, Curd	Cake, Milk, Tea, Pulses	Chicken 65, Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry



VIGNAN VIHAR BOYS HOSTEL

NORTH STUDENTS MESS MENU

Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Chapathi, Kurma, Idly, Vada, Ponal, Chetney, Sambar, Allam Chetney, Milk, Coffee	Dal, Sweet, Chetney, Sambar (Chakkar Pongal / Bread Halwa / Ravva Kesari) Boiled Egg, Onion + Tomato Curry/ Omlet, Guntuvankaya / Egg Poru-tu, Rice, Rasam, Curd, North Indian Curry, Dal	Alu Bajji (1) Full Mirchi Bajji(1) Thapala Chakkalu (1) Rice Flour Pakodi (1) Ragijava / Pulses, Tea, Milk	Rice, Pulka, Pappu, Potato Curry, Dosakai+tomato, Seasonal Fruits, Chetney, Rasam, Pappu Charu, (Plain Curd Rice,) Curd, Dal
TUESDAY	Idly, Chapathi with Pappu, Upma, Chetney, Pudina Chetney, Milk, Coffee	Dal, Pulihora / kichadi / Pudina Rice / tomato Rice, Chetney Akukura Pappu, Cabbage + tomato, Goruchikkudu, Sambar, Rice, Rasam, Curd, North Indian Curry, Dal	Noodles(2), Chakka Pakodi with Mirchi(1), Karapoosa(1), Pulses, Tea, Milk	Rice, Pulka - Gravy, Seasonal Curry, Egg Fried Rice, Veg Fried Rice, Kakarakaya Iguru, Chetney, Bendakaya Fry, Rasam, Sambar, Curd, Dal
WEDNESDAY	Chapathi, Kurma Idly, Plain Dosa, Upma, Chetney, Koriyandar Chetney, Milk, Coffee	Dal, Tomato Pappu, Benda Iguru, Seasonal Curry, Chetney, Papada, Sambar, Rasam, Curd, Rice, North Indian Curry, Dal	Cream Cake (2), Dilpasand(1) Veg Puff(1), Pulses, Tea, Milk	Rice, Pulka, Biryani, Kurma, Eaita, Gongura Chetney, Chicken Curry, Arati Iguru, Veg Curries +Sweet, Pappu Charu, Rasam, Curd, Dal
THURSDAY	Chapathi, Kurma, Idly, Utappa, Upma, Chetney, Allam Chetney Milk, Coffee	Dal, Chetney, Seasonal Curry, Seasonal Frys, Chama Pulusu, Dosakaya Pappu, Rasam Sambar, Curd, Rice, North Indian Curry, Dal	Uggani(1), All mixture(1), Punugulu (2) Chetney, Rajijava, Pulses, Tea, Milk	Boiled Egg, Rice, Pulka-pappu, Cabbage pickle, Cali Flower, Cabbage, Sambar Rice, Seasonal Fruits, Rasam, Curd, Dal
FRIDAY	Idly, Chapathi, Chetney, Tamo-ta Bath, Pudina Chetney, Kurma, Milk, Coffee	Dal, Akukura Pappu, Chetney, Seasonal Curry, Iguru, Vadiyalu / appadalu, Rasam, Sambar, Curd, Rice, North Indian Curry, Dal	Cream Bun(1), Cake(1) Biscuits(2), Tea Pulses, Milk	Rice, Pulka-kurma, Biryani, Chicken fry, Chetney, Veg Curries +sweet, Rasam, Curd, Dal
SATURDAY	Chapathi, Kurma, Idly, Masala Dosa, Uppma, Kori-yandar Chetney, Chetney, Milk, Coffee	Dal, Fry, Dosaakaya Pap-pu, Dondakai Iguru, Drumstick Tamota, Oil Fry, Chetney, Rasam, Sambar, Curd, Rice, North Indian Curry, Dal	Jilebi(1), Badusha(1), Mysorepak(1), Fruit Salad(1), Pulses, Tea, Milk	Boiled Egg, Pulka/alu Palak / Dondakaya / Bendakaya / Kakarikai, Rasam, Chetney, Fruit Curd Rice, Sambar, Curd, Dal
SUNDAY	Chapathi, Kurma, Idly, Bread Jam(2), Puri(1), Onion Dosa(1), Karam Podi, Chetney, Milk, Coffee	Mudda Pappu, Pickle, Alu Patchikaram, Milli Maker + Tomato / Pakodi Pulusu, Pachipulusu / Majighi Charu, Sambar, Curd, Rice, North Indian Curry, Dal	Cornflex Chat(2), Poha(1), Besibilli bath(2), Payasam, Tea, Milk, Pulses	Rice, Pulka, Biryani, Kurma, Chicken Fry, Raita, Gongora Chetney, Pappu Charu, Rasam, Veg Curries+Sweet, Curd, Dal

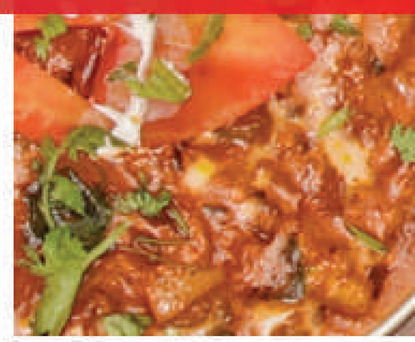


VIGNAN VIHAR BOYS HOSTEL

SOUTH INDIAN MESS MENU




Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Idly, Vada, ponal, Chetney, Sambar Allam Chetney, Milk, Coffee	Dal, Sweet, Chetney, Sambar (ChakkarPongal / Bread Halwa / Ravva Kesari) Boiled Egg, Onion + Tomato Curry/ Omlet, Guntuvankaya / Egg Porutu, Rice, Rasam, Curd	Alu Bajji (1), Full Mirchi Bajji(1), Thapala Chakkalu(1) Rice Flour Pakodi (1), Ragijava / Pulses, Tea, Milk	Rice, Pulka, Pappu, Potato Curry, Dosakai + Tomato, Seasonal Fruits, Chetney, Rasam, Pappu Charu, (Plain Curd Rice,) Curd
TUESDAY	Idly, Chapathi with Pappu, Upma, Chetney, Pudina Chetney, Milk, Coffee	Dal, Pulihora / Kichadi / Pudina Rice / Tomato Rice, Chetney, Akukura Pappu, Cabbage + Tomato, Goruchikkudu, Sambar, Rice, Rasam, Curd	Noodles (2), Chakka Pakodi with Mirchi (1), Karapoosa (1), Pulses, Tea, Milk	Rice, Pulka- Gravy, Seasonal Curry, Egg Fried Rice, Veg Fried Rice, Kakarakaya Iguru, Chetney, Bendakaya Fry, Rasam, Sambar, Curd
WEDNESDAY	Idly, Plain Dosa, Chetney, Koriyandar Chetney, Upma, Milk, Coffee	Dal, Tomato Pappu, Benda Iguru, Seasonal Curry, Chetney, Papada, Sambar, Rasam, Curd, Rice	Cream Cake (2), Dilpasand (1) Veg Puff(1), Pulses, Tea, Milk	Rice, Pulka, Biryani, Kurma, Raita, Gongura Chetney, Chicken Curry, Arati Iguru, Veg Curries + Sweet, Pappu Charu, Rasam, Curd
THURSDAY	Idly, Utappa,Upma, Chetney, Allam Chetney Milk, Coffee	Dal, Chetney, Seasonal Curry, Seasonal Frys, Chama Pulusu, Dosakaya Pappu, Rasam Sambar, Curd, Rice	Uggani (1), All Mixture(1), Punugulu (2) Chetney, Rajijava, Pulses, Tea, Milk	Boiled Egg, Rice, Pulka-Pappu, Cabbage Pickle, Cali Flower, Cabbage, Sambar Rice, Seasonal Fruits, Rasam, Curd
FRIDAY	Idly, Chapathi, Chetney, Tamota Bath, PudinaChetney, Kurma, Milk, Coffee	Dal, Akukura Pappu, Chetney, Seasonal Curry,Iguru, Vadiyalu / Appadalu, Rasam, Sambar, Curd, Rice	Cream Bun (1), Cake (1), Biscuits (2), Tea Pulses, Milk	Rice, Pulka-Kurma, Biryani, Chicken Fry, Chetney, Veg Curries +Sweet, Rasam, Curd
SATURDAY	Idly, Masala Dosa, Uppma, Koriyandar Chetney, Chetney, Milk, Coffee	Dal, Fry, Dosaakaya Pappu, Dondakai Iguru, Drumstick Tamota, Oil Fry, Chetney, Rasam, Sambar, Curd, Rice	Jilebi (1), Badusha (1), Mysorepak (1), Fruit Salad (1), Pulses, Tea, Milk	Boiled Egg, Pulka / Alu Palak / Dondakaya / Bendakaya / Kakarikai, Rasam, Chetney, Fruit Curd Rice, Sambar, Curd
SUNDAY	Dly, Bread Jam (2), Puri (1), Onion Dosa (1), Karam Podi, Chetney Milk, Coffee	Mudda Pappu, Pickle, Alu Patchikaram, Milli Maker + Tomato / Pakodi Pulusu, Pachipulusu / Majighi Charu, Sambar, Curd, Rice	Cornflex Chat (2), Poha (1), Besibilli Bath (2), Payasam, Tea, Milk, Pulses	Rice, Pulka, Biryani, Kurma, Chicken Fry, Raita, Gongora Chetney, Pappu Charu, Rasam, Veg Curries + Sweet, Curd




VIGNAN PRIYADARSINI HOSTEL MESS – 4

Extra Menu for North Indian Students-2025

Day	Break Fast	Lunch	Dinner
MONDAY	Pulka, Alu Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Geenbatani Curry.	Pulka, Vegetable Salad, Pappu, Alu Curry, Fruits.
TUES DAY	Pulka, Rajma Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Beerakai Curry	Pulka, Vegetable Salad, plain dhal, Boiled Egg, onion curry, Capsicury curry,
WEDNES DAY	Pulka, Alu Burji.	Pulka, Vegetable Salad, Dhal, Koriender chutney, Califlower with Alu Curry	Pulka, Vegetable Salad, Panner Kurma, Chicken Fry, Plain dhal, Sweet.
THURS DAY	Pulka, Meal meaker Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Sorakai Curry,	Pulka, Vegetable Salad,Boiled egg, dhal, Rajma curry, Onion curry, Plain Palak, Fruits.
FRIDAY	Pulka, Sorakai Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Califlower with Alu Curry	Pulka, Vegetable Salad, Chicken Curry, plain dahal, Mashroom curry,
SATURDAY	Pulka, Alu +chenna Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Capsicur with Alu Curry.	Pulka, Vegetable Salad, boiled egg, onion curry, Chennamasala, Fruits
SUNDAY	Pulka, Alu Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Kadi pakodi	Pulka, Vegetable Salad, Chicken Curry, plain dhal, veg curry.

Note: Vegetable salad: Keera, Tomato, Carrot, Onions, Beetroot.

Mess Chief-In charge **Chief Warden Priyadarsini Girls Hostel**

VIGNAN PRIYADARSINI HOSTEL MESS - 4

Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Idly,Vada, Gara Godhumaravva Upma, Ragi Idly, G.Nut Chutney, Sambar,Milk, Coffee.	Egg Poratu(1,3), Bread Halva Bendakai Iguru,Omlets (2,4),Cabbage curry,Dosakaipappu, Tomato Chutney, Sambar. Curd.	Punugulu,(1,3) MysoorBonda,(2) Onion pakodi(4), **Chutney.(1,2,3)** Pulses, Tea& Milk.	Rice,Pulka,Pappu, AlooVellulikaram, Thotakura fry, Nimmakaya Pappucharu, TamotoRasam, Mix veg chutney, Curd.
TUES DAY	Idly, Uthappam, Upma, Ragi Idly, Allam chutney& Putnalu Chutney, Milk, Coffee.	Rice, Pulihora (1,3), Tamato Rice(4,2), AkukuraPappu Vankailguru, Beetroot curry, Sambar, Curd, Dosakai Mukkalu Chutney(1,3)	Veg Puff,(1,3) Atukulaupma,(1,3) Cake(2) ,Bread omllet,(4)GreenBata ni(2) ,Tea,Milk.	Pulka- Saruva, E.F.R, V.F.R, DondakaiCurruy,Perugupulu su, Mealmaker+Gongura, Pesarapappu Pappucharu, Rasam, Curd.
WEDNES DAY	Chapathi, Ragi Idly, Kurma, Idly, Chutney, Milk, Coffee.	Rice,TamatoPappu, Goruchikkudu Iguru Potlakai Perugu, Samabar, AratikaiDirect curry, Beetrootchutney, Curd.	Sweet &Salt/Kharjura Biscutes,(1) BadamMilk(2,4), Thapala Chekkalu(3) Tea, Milk.	Pulka – Palav, Veg Kurma, Raita, GonguraChatney, Chicken Fry, Panner Kurma Beens Curry, Sweet, Rasam Pappucharu, Curd.
THURS DAY	Idly,Chitti Uthappam,Raagi Idly,kattu pongali, Pallichatney, Milk, Sambar, Coffee.	Akukurapappu,Dondakai/Ben dakai/cabbage65,Tomato+M ulakai, Gummadikai /Chama dumpa pulusu,Vegchutney,Curd, PalakuraPappu, Sambar, Curd.	Chat,(1,3) Panipoori,(2) Fruitsalad,(4) Ragijava(1,2,3) Milk, Tea.	Pulka-Plain palak Boiled Egg ,Onion Curry/ Onion Pulusu, Sweet , Fruit ,G.Vankai karam, Tomato Pappucharu, Rasam. Curd.
FRIDAY	Idly,Bread& jam,Roasted Bread, Ragi Idly, SemyaUpma, Putnalu chutney, Alu curry, Coffee, Milk.	Wheel/Gottalu/Pappads, Dosakaipappu, Dondakai Iguru, Carrot Iguru, Red Chutney, Curd, Sambar,	V.Undalu,(1),Jelebi,(2),Boondi laddu,(3)Palliundalu,(4)S.Chakralu(1),Thap alachakkalu(3), Mixture, Cornflacks (4),Milk, Tea.	Pulka – Ragi sankati ,Rice, Chicken Curry, Mashroom Curry, Aloo patchikaram, Sweet, Gongura chutney, Pappucharu, Rasam, Curd, Sweet.
SATURDAY	Idly, Chapathi, Ragi Idly,Tomato, Pappu,(1,3Tomato Curry(2,4)Milk, Chutney, coffee,	French fries/ Alu 65,, Bendakaipulusu, pachipappu+Mulakai curry,Thotakurapuppu, Pudeena Chutney, Sambar,Curd.	Peruguvada, (1) Manchuria (2) Masalavada ,(3) Mirchibajji,(4) Ragijava, Tea, Milk.	Pulka-Chenna masala, Boiled Eggs- Onion Curry/Onion Pulusu, Vankai curry, Pappucharu, Rasam, Palli Chatney, Fruit, Curd.
SUNDAY	Masala Dosa,(1,3)Plain dosa(2,4) Upma, Ragi Idly, Idly, Poori (Montly Once),Alu curry, Putnaluchutney, Ginger Chuteny Coffee,Milk.	Muddapappu,Avakai, Kakarai Iguru/ Kakarakai Karam, Carrot Thurumu curry,Pakodi Pulusu,Pachipulusu, Sambar, Patchipulusu.	Uggani,Masasala Maramaralu (1,2,3)Creambun,(4) Payasam, Senagalu thalimpu, Tea, Milk.	Pulka –Palav, Veg kurma, Chicken Curry, Raita Kaju kurma, Sweet, Gongura chutney,Mullakai tomato curry, Pappucharu, Rasam,Curd.

VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

Locations of the canteens where University provide interventions to prevent or alleviate hunger among students

S.No.	Name of the Block	Location
1	A-Block	2nd Floor
	A-Block	3rd Floor
2	H-Block	Ground Floor
	H-Block	2nd Floor
3	U-Block	Ground at the beginning
	U-Block	Ground at the End
4	Pharmacy Block	2nd Floor
	Pharmacy Block	3rd Floor
5	N-Block	Ground Floor
	N-Block	Ground Floor

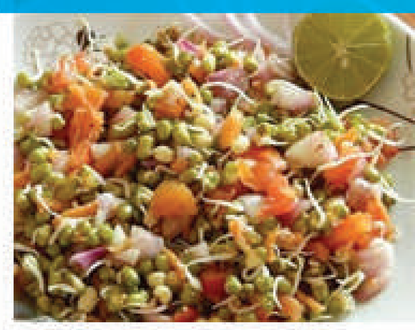
Few pictures of the canteens are attached below

VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

VIGNAN VIHAR BOYS HOSTEL

FORGIEN STUDENTS MESS MENU

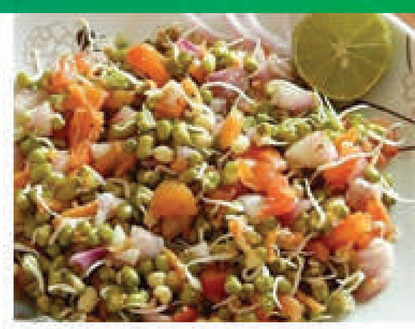
Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Bun, Jam Cornflakes, Oats, Vada, Idly, Milk, Coffee	Cauliflower, Egg, Pulka, Rice, Curd, Spinach, Aalu 65	Noodles, Milk, Tea, Pulses	Potato Fried Beans, Fruits, Potato Finger, Pulka, Dal Fry, Rice, Curd
TUESDAY	Bun, Jam Cornflakes, Oats, Chapati, Milk, Coffee	Cabbage, Rice, Pulka Curd, Pulihora, Coriander Rice, Potato, Aalu 65	Biscuit, Sweet & Salt Milk, Tea	Veg. Biriyani Rice, Potato Finger, Egg Bhurji, Brinjal Fried, Rice, Curd
WEDNESDAY	Bun, Jam Cornflakes, Oats Dosa, Idly, Milk, Coffee	Aalu Bhurji, Pulka, Dal Fry, Aalu 65, Rice, Curd	Cream Bun, Milk, Tea, Pulses	Chicken 65, Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry
THURSDAY	Bun, Jam, Cornflakes Oats, Idly, Milk, Coffee	Cauliflower, Dal Fry Pulka, Rice, Curd, Lady Finger, Aalu 65	Dilpasand, Milk, Tea, Pulses	Allu Finger, Egg Rice, Curd, Pulka Beans & Potato, Fruits
FRIDAY	Bun, Jam Cornflakes, Oats Chapati, Idly, Milk, Coffee	Aalu Spinach, Aalu 65, Dal Fry Pulka, Rice, Curd	Veg. Puff / Cake, Milk, Tea, Pulses	Chicken 65 Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry
SATURDAY	Bun, Jam Cornflakes, Oats Dosa, Idly, Milk, Coffee	Cauliflower Curry, Dal Fry Pulka, Rice, Curd, Brinzal Fire, Aalu 65	Cream Bun, Milk, Tea, Pulses	Cabbage, Rice, Curd, Pulka Spinach, Fruits, Egg
SUNDAY	Bun, Jam Cornflakes(1), Oats(1), Idly, Milk, Coffee	Cauliflower, Spinach, Pulka, Dal, Fry, Rice, Curd	Cake, Milk, Tea, Pulses	Chicken 65, Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry



VIGNAN VIHAR BOYS HOSTEL

NORTH STUDENTS MESS MENU

Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Chapathi, Kurma, Idly, Vada, Ponal, Chetney, Sambar, Allam Chetney, Milk, Coffee	Dal, Sweet, Chetney, Sambar (Chakkar Pongal / Bread Halwa / Ravva Kesari) Boiled Egg, Onion + Tomato Curry/ Omlet, Guntuvankaya / Egg Poru-tu, Rice, Rasam, Curd, North Indian Curry, Dal	Alu Bajji (1) Full Mirchi Bajji(1) Thapala Chakkalu (1) Rice Flour Pakodi (1) Ragijava / Pulses, Tea, Milk	Rice, Pulka, Pappu, Potato Curry, Dosakai+tomato, Seasonal Fruits, Chetney, Rasam, Pappu Charu, (Plain Curd Rice,) Curd, Dal
TUESDAY	Idly, Chapathi with Pappu, Upma, Chetney, Pudina Chetney, Milk, Coffee	Dal, Pulihora / kichadi / Pudina Rice / tomato Rice, Chetney Akukura Pappu, Cabbage + tomato, Goruchikkudu, Sambar, Rice, Rasam, Curd, North Indian Curry, Dal	Noodles(2), Chakka Pakodi with Mirchi(1), Karapoosa(1), Pulses, Tea, Milk	Rice, Pulka - Gravy, Seasonal Curry, Egg Fried Rice, Veg Fried Rice, Kakarakaya Iguru, Chetney, Bendakaya Fry, Rasam, Sambar, Curd, Dal
WEDNESDAY	Chapathi, Kurma Idly, Plain Dosa, Upma, Chetney, Koriyandar Chetney, Milk, Coffee	Dal, Tomato Pappu, Benda Iguru, Seasonal Curry, Chetney, Papada, Sambar, Rasam, Curd, Rice, North Indian Curry, Dal	Cream Cake (2), Dilpasand(1) Veg Puff(1), Pulses, Tea, Milk	Rice, Pulka, Biryani, Kurma, Eaita, Gongura Chetney, Chicken Curry, Arati Iguru, Veg Curries +Sweet, Pappu Charu, Rasam, Curd, Dal
THURSDAY	Chapathi, Kurma, Idly, Utappa, Upma, Chetney, Allam Chetney Milk, Coffee	Dal, Chetney, Seasonal Curry, Seasonal Frys, Chama Pulusu, Dosakaya Pappu, Rasam Sambar, Curd, Rice, North Indian Curry, Dal	Uggani(1), All mixture(1), Punugulu (2) Chetney, Rajijava, Pulses, Tea, Milk	Boiled Egg, Rice, Pulka-pappu, Cabbage pickle, Cali Flower, Cabbage, Sambar Rice, Seasonal Fruits, Rasam, Curd, Dal
FRIDAY	Idly, Chapathi, Chetney, Tamo-ta Bath, Pudina Chetney, Kurma, Milk, Coffee	Dal, Akukura Pappu, Chetney, Seasonal Curry, Iguru, Vadiyalu / appadalu, Rasam, Sambar, Curd, Rice, North Indian Curry, Dal	Cream Bun(1), Cake(1) Biscuits(2), Tea Pulses, Milk	Rice, Pulka-kurma, Biryani, Chicken fry, Chetney, Veg Curries +sweet, Rasam, Curd, Dal
SATURDAY	Chapathi, Kurma, Idly, Masala Dosa, Uppma, Kori-yandar Chetney, Chetney, Milk, Coffee	Dal, Fry, Dosaakaya Pap-pu, Dondakai Iguru, Drumstick Tamota, Oil Fry, Chetney, Rasam, Sambar, Curd, Rice, North Indian Curry, Dal	Jilebi(1), Badusha(1), Mysorepak(1), Fruit Salad(1), Pulses, Tea, Milk	Boiled Egg, Pulka/alu Palak / Dondakaya / Bendakaya / Kakarikai, Rasam, Chetney, Fruit Curd Rice, Sambar, Curd, Dal
SUNDAY	Chapathi, Kurma, Idly, Bread Jam(2), Puri(1), Onion Dosa(1), Karam Podi, Chetney, Milk, Coffee	Mudda Pappu, Pickle, Alu Patchikaram, Milli Maker + Tomato / Pakodi Pulusu, Pachipulusu / Majighi Charu, Sambar, Curd, Rice, North Indian Curry, Dal	Cornflex Chat(2), Poha(1), Besibilli bath(2), Payasam, Tea, Milk, Pulses	Rice, Pulka, Biryani, Kurma, Chicken Fry, Raita, Gongora Chetney, Pappu Charu, Rasam, Veg Curries+Sweet, Curd, Dal

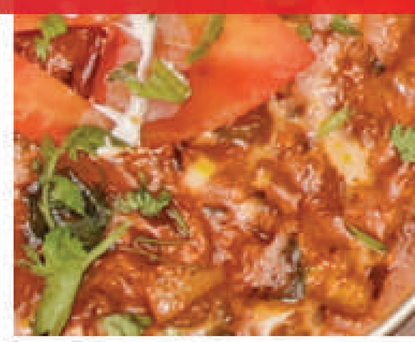


VIGNAN VIHAR BOYS HOSTEL

SOUTH INDIAN MESS MENU




Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Idly, Vada, ponal, Chetney, Sambar Allam Chetney, Milk, Coffee	Dal, Sweet, Chetney, Sambar (ChakkarPongal / Bread Halwa / Ravva Kesari) Boiled Egg, Onion + Tomato Curry/ Omlet, Guntuvankaya / Egg Porutu, Rice, Rasam, Curd	Alu Bajji (1), Full Mirchi Bajji(1), Thapala Chakkalu(1) Rice Flour Pakodi (1), Ragijava / Pulses, Tea, Milk	Rice, Pulka, Pappu, Potato Curry, Dosakai + Tomato, Seasonal Fruits, Chetney, Rasam, Pappu Charu, (Plain Curd Rice,) Curd
TUESDAY	Idly, Chapathi with Pappu, Upma, Chetney, Pudina Chetney, Milk, Coffee	Dal, Pulihora / Kichadi / Pudina Rice / Tomato Rice, Chetney, Akukura Pappu, Cabbage + Tomato, Goruchikkudu, Sambar, Rice, Rasam, Curd	Noodles (2), Chakka Pakodi with Mirchi (1), Karapoosa (1), Pulses, Tea, Milk	Rice, Pulka- Gravy, Seasonal Curry, Egg Fried Rice, Veg Fried Rice, Kakarakaya Iguru, Chetney, Bendakaya Fry, Rasam, Sambar, Curd
WEDNESDAY	Idly, Plain Dosa, Chetney, Koriyandar Chetney, Upma, Milk, Coffee	Dal, Tomato Pappu, Benda Iguru, Seasonal Curry, Chetney, Papada, Sambar, Rasam, Curd, Rice	Cream Cake (2), Dilpasand (1) Veg Puff(1), Pulses, Tea, Milk	Rice, Pulka, Biryani, Kurma, Raita, Gongura Chetney, Chicken Curry, Arati Iguru, Veg Curries + Sweet, Pappu Charu, Rasam, Curd
THURSDAY	Idly, Utappa,Upma, Chetney, Allam Chetney Milk, Coffee	Dal, Chetney, Seasonal Curry, Seasonal Frys, Chama Pulusu, Dosakaya Pappu, Rasam Sambar, Curd, Rice	Uggani (1), All Mixture(1), Punugulu (2) Chetney, Rajijava, Pulses, Tea, Milk	Boiled Egg, Rice, Pulka-Pappu, Cabbage Pickle, Cali Flower, Cabbage, Sambar Rice, Seasonal Fruits, Rasam, Curd
FRIDAY	Idly, Chapathi, Chetney, Tamota Bath, PudinaChetney, Kurma, Milk, Coffee	Dal, Akukura Pappu, Chetney, Seasonal Curry,Iguru, Vadiyalu / Appadalu, Rasam, Sambar, Curd, Rice	Cream Bun (1), Cake (1), Biscuits (2), Tea Pulses, Milk	Rice, Pulka-Kurma, Biryani, Chicken Fry, Chetney, Veg Curries +Sweet, Rasam, Curd
SATURDAY	Idly, Masala Dosa, Uppma, Koriyandar Chetney, Chetney, Milk, Coffee	Dal, Fry, Dosaakaya Pappu, Dondakai Iguru, Drumstick Tamota, Oil Fry, Chetney, Rasam, Sambar, Curd, Rice	Jilebi (1), Badusha (1), Mysorepak (1), Fruit Salad (1), Pulses, Tea, Milk	Boiled Egg, Pulka / Alu Palak / Dondakaya / Bendakaya / Kakarikai, Rasam, Chetney, Fruit Curd Rice, Sambar, Curd
SUNDAY	Dly, Bread Jam (2), Puri (1), Onion Dosa (1), Karam Podi, Chetney Milk, Coffee	Mudda Pappu, Pickle, Alu Patchikaram, Milli Maker + Tomato / Pakodi Pulusu, Pachipulusu / Majighi Charu, Sambar, Curd, Rice	Cornflex Chat (2), Poha (1), Besibilli Bath (2), Payasam, Tea, Milk, Pulses	Rice, Pulka, Biryani, Kurma, Chicken Fry, Raita, Gongora Chetney, Pappu Charu, Rasam, Veg Curries + Sweet, Curd




VIGNAN PRIYADARSINI HOSTEL MESS – 4

Extra Menu for North Indian Students-2025

Day	Break Fast	Lunch	Dinner
MONDAY	Pulka, Alu Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Geenbatani Curry.	Pulka, Vegetable Salad, Pappu, Alu Curry, Fruits.
TUES DAY	Pulka, Rajma Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Beerakai Curry	Pulka, Vegetable Salad, plain dhal, Boiled Egg, onion curry, Capsicury curry,
WEDNES DAY	Pulka, Alu Burji.	Pulka, Vegetable Salad, Dhal, Koriender chutney, Califlower with Alu Curry	Pulka, Vegetable Salad, Panner Kurma, Chicken Fry, Plain dhal, Sweet.
THURS DAY	Pulka, Meal meaker Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Sorakai Curry,	Pulka, Vegetable Salad,Boiled egg, dhal, Rajma curry, Onion curry, Plain Palak, Fruits.
FRIDAY	Pulka, Sorakai Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Califlower with Alu Curry	Pulka, Vegetable Salad, Chicken Curry, plain dahal, Mashroom curry,
SATURDAY	Pulka, Alu +chenna Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Capsicur with Alu Curry.	Pulka, Vegetable Salad, boiled egg, onion curry, Chennamasala, Fruits
SUNDAY	Pulka, Alu Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Kadi pakodi	Pulka, Vegetable Salad, Chicken Curry, plain dhal, veg curry.

Note: Vegetable salad: Keera, Tomato, Carrot, Onions, Beetroot.

Mess Chief-In charge **Chief Warden Priyadarsini Girls Hostel**

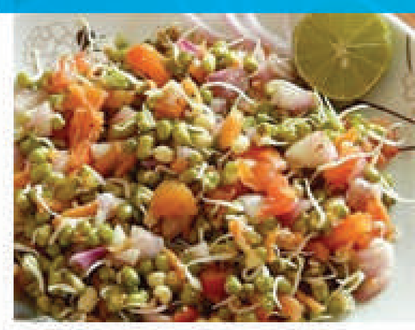
VIGNAN PRIYADARSINI HOSTEL MESS - 4

Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Idly,Vada, Gara Godhumaravva Upma, Ragi Idly, G.Nut Chutney, Sambar,Milk, Coffee.	Egg Poratu(1,3), Bread Halva Bendakai Iguru,Omlets (2,4),Cabbage curry,Dosakaipappu, Tomato Chutney, Sambar. Curd.	Punugulu,(1,3) MysoorBonda,(2) Onion pakodi(4), **Chutney.(1,2,3)** Pulses, Tea& Milk.	Rice,Pulka,Pappu, AlooVellulikaram, Thotakura fry, Nimmakaya Pappucharu, TamotoRasam, Mix veg chutney, Curd.
TUES DAY	Idly, Uthappam, Upma, Ragi Idly, Allam chutney& Putnalu Chutney, Milk, Coffee.	Rice, Pulihora (1,3), Tamato Rice(4,2), AkukuraPappu Vankailguru, Beetroot curry, Sambar, Curd, Dosakai Mukkalu Chutney(1,3)	Veg Puff,(1,3) Atukulaupma,(1,3) Cake(2) ,Bread omllet,(4)GreenBata ni(2) ,Tea,Milk.	Pulka- Saruva, E.F.R, V.F.R, DondakaiCurruy,Perugupulu su, Mealmaker+Gongura, Pesarapappu Pappucharu, Rasam, Curd.
WEDNES DAY	Chapathi, Ragi Idly, Kurma, Idly, Chutney, Milk, Coffee.	Rice,TamatoPappu, Goruchikkudu Iguru Potlakai Perugu, Samabar, AratikaiDirect curry, Beetrootchutney, Curd.	Sweet &Salt/Kharjura Biscutes,(1) BadamMilk(2,4), Thapala Chekkalu(3) Tea, Milk.	Pulka – Palav, Veg Kurma, Raita, GonguraChatney, Chicken Fry, Panner Kurma Beens Curry, Sweet, Rasam Pappucharu, Curd.
THURS DAY	Idly,Chitti Uthappam,Raagi Idly,kattu pongali, Pallichatney, Milk, Sambar, Coffee.	Akukurapappu,Dondakai/Ben dakai/cabbage65,Tomato+M ulakai, Gummadikai /Chama dumpa pulusu,Vegchutney,Curd, PalakuraPappu, Sambar, Curd.	Chat,(1,3) Panipoori,(2) Fruitsalad,(4) Ragijava(1,2,3) Milk, Tea.	Pulka-Plain palak Boiled Egg ,Onion Curry/ Onion Pulusu, Sweet , Fruit ,G.Vankai karam, Tomato Pappucharu, Rasam. Curd.
FRIDAY	Idly,Bread& jam,Roasted Bread, Ragi Idly, SemyaUpma, Putnalu chutney, Alu curry, Coffee, Milk.	Wheel/Gottalu/Pappads, Dosakaipappu, Dondakai Iguru, Carrot Iguru, Red Chutney, Curd, Sambar,	V.Undalu,(1),Jelebi,(2),Boondi laddu,(3)Palliundalu,(4)S.Chakralu(1),Thap alachakkalu(3), Mixture, Cornflacks (4),Milk, Tea.	Pulka – Ragi sankati ,Rice, Chicken Curry, Mashroom Curry, Aloo patchikaram, Sweet, Gongura chutney, Pappucharu, Rasam, Curd, Sweet.
SATURDAY	Idly, Chapathi, Ragi Idly,Tomato, Pappu,(1,3Tomato Curry(2,4)Milk, Chutney, coffee,	French fries/ Alu 65,, Bendakaipulusu, pachipappu+Mulakai curry,Thotakurapuppu, Pudeena Chutney, Sambar,Curd.	Peruguvada, (1) Manchuria (2) Masalavada ,(3) Mirchibajji,(4) Ragijava, Tea, Milk.	Pulka-Chenna masala, Boiled Eggs- Onion Curry/Onion Pulusu, Vankai curry, Pappucharu, Rasam, Palli Chatney, Fruit, Curd.
SUNDAY	Masala Dosa,(1,3)Plain dosa(2,4) Upma, Ragi Idly, Idly, Poori (Montly Once),Alu curry, Putnaluchutney, Ginger Chuteny Coffee,Milk.	Muddapappu,Avakai, Kakarai Iguru/ Kakarakai Karam, Carrot Thurumu curry,Pakodi Pulusu,Pachipulusu, Sambar, Patchipulusu.	Uggani,Masasala Maramaralu (1,2,3)Creambun,(4) Payasam, Senagalu thalimpu, Tea, Milk.	Pulka –Palav, Veg kurma, Chicken Curry, Raita Kaju kurma, Sweet, Gongura chutney,Mullakai tomato curry, Pappucharu, Rasam,Curd.

VIGNAN VIHAR BOYS HOSTEL

FORGIEN STUDENTS MESS MENU

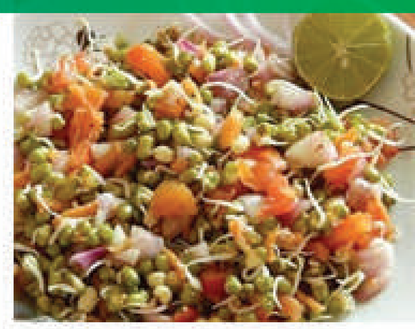
Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Bun, Jam Cornflakes, Oats, Vada, Idly, Milk, Coffee	Cauliflower, Egg, Pulka, Rice, Curd, Spinach, Aalu 65	Noodles, Milk, Tea, Pulses	Potato Fried Beans, Fruits, Potato Finger, Pulka, Dal Fry, Rice, Curd
TUESDAY	Bun, Jam Cornflakes, Oats, Chapati, Milk, Coffee	Cabbage, Rice, Pulka Curd, Pulihora, Coriander Rice, Potato, Aalu 65	Biscuit, Sweet & Salt Milk, Tea	Veg. Biriyani Rice, Potato Finger, Egg Bhurji, Brinjal Fried, Rice, Curd
WEDNESDAY	Bun, Jam Cornflakes, Oats Dosa, Idly, Milk, Coffee	Aalu Bhurji, Pulka, Dal Fry, Aalu 65, Rice, Curd	Cream Bun, Milk, Tea, Pulses	Chicken 65, Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry
THURSDAY	Bun, Jam, Cornflakes Oats, Idly, Milk, Coffee	Cauliflower, Dal Fry Pulka, Rice, Curd, Lady Finger, Aalu 65	Dilpasand, Milk, Tea, Pulses	Allu Finger, Egg Rice, Curd, Pulka Beans & Potato, Fruits
FRIDAY	Bun, Jam Cornflakes, Oats Chapati, Idly, Milk, Coffee	Aalu Spinach, Aalu 65, Dal Fry Pulka, Rice, Curd	Veg. Puff / Cake, Milk, Tea, Pulses	Chicken 65 Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry
SATURDAY	Bun, Jam Cornflakes, Oats Dosa, Idly, Milk, Coffee	Cauliflower Curry, Dal Fry Pulka, Rice, Curd, Brinzal Fire, Aalu 65	Cream Bun, Milk, Tea, Pulses	Cabbage, Rice, Curd, Pulka Spinach, Fruits, Egg
SUNDAY	Bun, Jam Cornflakes(1), Oats(1), Idly, Milk, Coffee	Cauliflower, Spinach, Pulka, Dal, Fry, Rice, Curd	Cake, Milk, Tea, Pulses	Chicken 65, Pulka, Sweet, Biriyani Rice, Curd, Chicken Curry, Paneer Curry



VIGNAN VIHAR BOYS HOSTEL

NORTH STUDENTS MESS MENU

Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Chapathi, Kurma, Idly, Vada, Ponal, Chetney, Sambar, Allam Chetney, Milk, Coffee	Dal, Sweet, Chetney, Sambar (Chakkar Pongal / Bread Halwa / Ravva Kesari) Boiled Egg, Onion + Tomato Curry/ Omlet, Guntuvankaya / Egg Poru-tu, Rice, Rasam, Curd, North Indian Curry, Dal	Alu Bajji (1) Full Mirchi Bajji(1) Thapala Chakkalu (1) Rice Flour Pakodi (1) Ragijava / Pulses, Tea, Milk	Rice, Pulka, Pappu, Potato Curry, Dosakai+tomato, Seasonal Fruits, Chetney, Rasam, Pappu Charu, (Plain Curd Rice,) Curd, Dal
TUESDAY	Idly, Chapathi with Pappu, Upma, Chetney, Pudina Chetney, Milk, Coffee	Dal, Pulihora / kichadi / Pudina Rice / tomato Rice, Chetney Akukura Pappu, Cabbage + tomato, Goruchikkudu, Sambar, Rice, Rasam, Curd, North Indian Curry, Dal	Noodles(2), Chakka Pakodi with Mirchi(1), Karapoosa(1), Pulses, Tea, Milk	Rice, Pulka - Gravy, Seasonal Curry, Egg Fried Rice, Veg Fried Rice, Kakarakaya Iguru, Chetney, Bendakaya Fry, Rasam, Sambar, Curd, Dal
WEDNESDAY	Chapathi, Kurma Idly, Plain Dosa, Upma, Chetney, Koriyandar Chetney, Milk, Coffee	Dal, Tomato Pappu, Benda Iguru, Seasonal Curry, Chetney, Papada, Sambar, Rasam, Curd, Rice, North Indian Curry, Dal	Cream Cake (2), Dilpasand(1) Veg Puff(1), Pulses, Tea, Milk	Rice, Pulka, Biryani, Kurma, Eaita, Gongura Chetney, Chicken Curry, Arati Iguru, Veg Curries +Sweet, Pappu Charu, Rasam, Curd, Dal
THURSDAY	Chapathi, Kurma, Idly, Utappa, Upma, Chetney, Allam Chetney Milk, Coffee	Dal, Chetney, Seasonal Curry, Seasonal Frys, Chama Pulusu, Dosakaya Pappu, Rasam Sambar, Curd, Rice, North Indian Curry, Dal	Uggani(1), All mixture(1), Punugulu (2) Chetney, Rajijava, Pulses, Tea, Milk	Boiled Egg, Rice, Pulka-pappu, Cabbage pickle, Cali Flower, Cabbage, Sambar Rice, Seasonal Fruits, Rasam, Curd, Dal
FRIDAY	Idly, Chapathi, Chetney, Tamo-ta Bath, Pudina Chetney, Kurma, Milk, Coffee	Dal, Akukura Pappu, Chetney, Seasonal Curry, Iguru, Vadiyalu / appadalu, Rasam, Sambar, Curd, Rice, North Indian Curry, Dal	Cream Bun(1), Cake(1) Biscuits(2), Tea Pulses, Milk	Rice, Pulka-kurma, Biryani, Chicken fry, Chetney, Veg Curries +sweet, Rasam, Curd, Dal
SATURDAY	Chapathi, Kurma, Idly, Masala Dosa, Uppma, Kori-yandar Chetney, Chetney, Milk, Coffee	Dal, Fry, Dosaakaya Pap-pu, Dondakai Iguru, Drumstick Tamota, Oil Fry, Chetney, Rasam, Sambar, Curd, Rice, North Indian Curry, Dal	Jilebi(1), Badusha(1), Mysorepak(1), Fruit Salad(1), Pulses, Tea, Milk	Boiled Egg, Pulka/alu Palak / Dondakaya / Bendakaya / Kakarikai, Rasam, Chetney, Fruit Curd Rice, Sambar, Curd, Dal
SUNDAY	Chapathi, Kurma, Idly, Bread Jam(2), Puri(1), Onion Dosa(1), Karam Podi, Chetney, Milk, Coffee	Mudda Pappu, Pickle, Alu Patchikaram, Milli Maker + Tomato / Pakodi Pulusu, Pachipulusu / Majighi Charu, Sambar, Curd, Rice, North Indian Curry, Dal	Cornflex Chat(2), Poha(1), Besibilli bath(2), Payasam, Tea, Milk, Pulses	Rice, Pulka, Biryani, Kurma, Chicken Fry, Raita, Gongora Chetney, Pappu Charu, Rasam, Veg Curries+Sweet, Curd, Dal

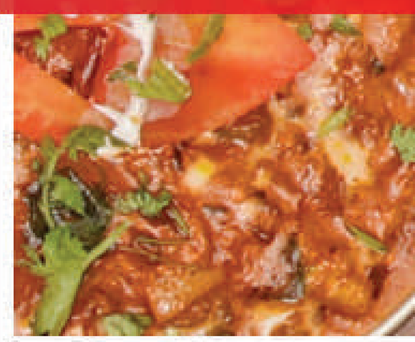


VIGNAN VIHAR BOYS HOSTEL

SOUTH INDIAN MESS MENU




Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Idly, Vada, ponal, Chetney, Sambar Allam Chetney, Milk, Coffee	Dal, Sweet, Chetney, Sambar (ChakkarPongal / Bread Halwa / Ravva Kesari) Boiled Egg, Onion + Tomato Curry/ Omlet, Guntuvankaya / Egg Porutu, Rice, Rasam, Curd	Alu Bajji (1), Full Mirchi Bajji(1), Thapala Chakkalu(1) Rice Flour Pakodi (1), Ragijava / Pulses, Tea, Milk	Rice, Pulka, Pappu, Potato Curry, Dosakai + Tomato, Seasonal Fruits, Chetney, Rasam, Pappu Charu, (Plain Curd Rice,) Curd
TUESDAY	Idly, Chapathi with Pappu, Upma, Chetney, Pudina Chetney, Milk, Coffee	Dal, Pulihora / Kichadi / Pudina Rice / Tomato Rice, Chetney, Akukura Pappu, Cabbage + Tomato, Goruchikkudu, Sambar, Rice, Rasam, Curd	Noodles (2), Chakka Pakodi with Mirchi (1), Karapoosa (1), Pulses, Tea, Milk	Rice, Pulka- Gravy, Seasonal Curry, Egg Fried Rice, Veg Fried Rice, Kakarakaya Iguru, Chetney, Bendakaya Fry, Rasam, Sambar, Curd
WEDNESDAY	Idly, Plain Dosa, Chetney, Koriyandar Chetney, Upma, Milk, Coffee	Dal, Tomato Pappu, Benda Iguru, Seasonal Curry, Chetney, Papada, Sambar, Rasam, Curd, Rice	Cream Cake (2), Dilpasand (1) Veg Puff(1), Pulses, Tea, Milk	Rice, Pulka, Biryani, Kurma, Raita, Gongura Chetney, Chicken Curry, Arati Iguru, Veg Curries + Sweet, Pappu Charu, Rasam, Curd
THURSDAY	Idly, Utappa,Upma, Chetney, Allam Chetney Milk, Coffee	Dal, Chetney, Seasonal Curry, Seasonal Frys, Chama Pulusu, Dosakaya Pappu, Rasam Sambar, Curd, Rice	Uggani (1), All Mixture(1), Punugulu (2) Chetney, Rajijava, Pulses, Tea, Milk	Boiled Egg, Rice, Pulka-Pappu, Cabbage Pickle, Cali Flower, Cabbage, Sambar Rice, Seasonal Fruits, Rasam, Curd
FRIDAY	Idly, Chapathi, Chetney, Tamota Bath, PudinaChetney, Kurma, Milk, Coffee	Dal, Akukura Pappu, Chetney, Seasonal Curry,Iguru, Vadiyalu / Appadalu, Rasam, Sambar, Curd, Rice	Cream Bun (1), Cake (1), Biscuits (2), Tea Pulses, Milk	Rice, Pulka-Kurma, Biryani, Chicken Fry, Chetney, Veg Curries +Sweet, Rasam, Curd
SATURDAY	Idly, Masala Dosa, Uppma, Koriyandar Chetney, Chetney, Milk, Coffee	Dal, Fry, Dosaakaya Pappu, Dondakai Iguru, Drumstick Tamota, Oil Fry, Chetney, Rasam, Sambar, Curd, Rice	Jilebi (1), Badusha (1), Mysorepak (1), Fruit Salad (1), Pulses, Tea, Milk	Boiled Egg, Pulka / Alu Palak / Dondakaya / Bendakaya / Kakarikai, Rasam, Chetney, Fruit Curd Rice, Sambar, Curd
SUNDAY	Dly, Bread Jam (2), Puri (1), Onion Dosa (1), Karam Podi, Chetney Milk, Coffee	Mudda Pappu, Pickle, Alu Patchikaram, Milli Maker + Tomato / Pakodi Pulusu, Pachipulusu / Majighi Charu, Sambar, Curd, Rice	Cornflex Chat (2), Poha (1), Besibilli Bath (2), Payasam, Tea, Milk, Pulses	Rice, Pulka, Biryani, Kurma, Chicken Fry, Raita, Gongora Chetney, Pappu Charu, Rasam, Veg Curries + Sweet, Curd




VIGNAN PRIYADARSINI HOSTEL MESS – 4

Extra Menu for North Indian Students-2025

Day	Break Fast	Lunch	Dinner
MONDAY	Pulka, Alu Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Geenbatani Curry.	Pulka, Vegetable Salad, Pappu, Alu Curry, Fruits.
TUES DAY	Pulka, Rajma Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Beerakai Curry	Pulka, Vegetable Salad, plain dhal, Boiled Egg, onion curry, Capsicury curry,
WEDNES DAY	Pulka, Alu Burji.	Pulka, Vegetable Salad, Dhal, Koriender chutney, Califlower with Alu Curry	Pulka, Vegetable Salad, Panner Kurma, Chicken Fry, Plain dhal, Sweet.
THURS DAY	Pulka, Meal meaker Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Sorakai Curry,	Pulka, Vegetable Salad,Boiled egg, dhal, Rajma curry, Onion curry, Plain Palak, Fruits.
FRIDAY	Pulka, Sorakai Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Califlower with Alu Curry	Pulka, Vegetable Salad, Chicken Curry, plain dahal, Mashroom curry,
SATURDAY	Pulka, Alu +chenna Kurma	Pulka, Vegetable Salad, Dhal, Koriender chutney, Capsicur with Alu Curry.	Pulka, Vegetable Salad, boiled egg, onion curry, Chennamasala, Fruits
SUNDAY	Pulka, Alu Curry	Pulka, Vegetable Salad, Dhal, Koriender chutney, Kadi pakodi	Pulka, Vegetable Salad, Chicken Curry, plain dhal, veg curry.

Note: Vegetable salad: Keera, Tomato, Carrot, Onions, Beetroot.

Mess Chief-In charge **Chief Warden Priyadarsini Girls Hostel**

VIGNAN PRIYADARSINI HOSTEL MESS - 4

Day	Break Fast	Lunch	Snacks	Dinner
MONDAY	Idly,Vada, Gara Godhumaravva Upma, Ragi Idly, G.Nut Chutney, Sambar,Milk, Coffee.	Egg Poratu(1,3), Bread Halva Bendakai Iguru,Omlets (2,4),Cabbage curry,Dosakaipappu, Tomato Chutney, Sambar. Curd.	Punugulu,(1,3) MysoorBonda,(2) Onion pakodi(4), **Chutney.(1,2,3)** Pulses, Tea& Milk.	Rice,Pulka,Pappu, AlooVellulikaram, Thotakura fry, Nimmakaya Pappucharu, TamotoRasam, Mix veg chutney, Curd.
TUES DAY	Idly, Uthappam, Upma, Ragi Idly, Allam chutney& Putnalu Chutney, Milk, Coffee.	Rice, Pulihora (1,3), Tamato Rice(4,2), AkukuraPappu Vankailguru, Beetroot curry, Sambar, Curd, Dosakai Mukkalu Chutney(1,3)	Veg Puff,(1,3) Atukulaupma,(1,3) Cake(2) ,Bread omllet,(4)GreenBata ni(2) ,Tea,Milk.	Pulka- Saruva, E.F.R, V.F.R, DondakaiCurruy,Perugupulu su, Mealmaker+Gongura, Pesarapappu Pappucharu, Rasam, Curd.
WEDNES DAY	Chapathi, Ragi Idly, Kurma, Idly, Chutney, Milk, Coffee.	Rice,TamatoPappu, Goruchikkudu Iguru Potlakai Perugu, Samabar, AratikaiDirect curry, Beetrootchutney, Curd.	Sweet &Salt/Kharjura Biscutes,(1) BadamMilk(2,4), Thapala Chekkalu(3) Tea, Milk.	Pulka – Palav, Veg Kurma, Raita, GonguraChatney, Chicken Fry, Panner Kurma Beens Curry, Sweet, Rasam Pappucharu, Curd.
THURS DAY	Idly,Chitti Uthappam,Raagi Idly,kattu pongali, Pallichatney, Milk, Sambar, Coffee.	Akukurapappu,Dondakai/Ben dakai/cabbage65,Tomato+M ulakai, Gummadikai /Chama dumpa pulusu,Vegchutney,Curd, PalakuraPappu, Sambar, Curd.	Chat,(1,3) Panipoori,(2) Fruitsalad,(4) Ragijava(1,2,3) Milk, Tea.	Pulka-Plain palak Boiled Egg ,Onion Curry/ Onion Pulusu, Sweet , Fruit ,G.Vankai karam, Tomato Pappucharu, Rasam. Curd.
FRIDAY	Idly,Bread& jam,Roasted Bread, Ragi Idly, SemyaUpma, Putnalu chutney, Alu curry, Coffee, Milk.	Wheel/Gottalu/Pappads, Dosakaipappu, Dondakai Iguru, Carrot Iguru, Red Chutney, Curd, Sambar,	V.Undalu,(1),Jelebi,(2),Boondi laddu,(3)Palliundalu,(4)S.Chakralu(1),Thap alachakkalu(3), Mixture, Cornflacks (4),Milk, Tea.	Pulka – Ragi sankati ,Rice, Chicken Curry, Mashroom Curry, Aloo patchikaram, Sweet, Gongura chutney, Pappucharu, Rasam, Curd, Sweet.
SATURDAY	Idly, Chapathi, Ragi Idly,Tomato, Pappu,(1,3Tomato Curry(2,4)Milk, Chutney, coffee,	French fries/ Alu 65,, Bendakaipulusu, pachipappu+Mulakai curry,Thotakurapuppu, Pudeena Chutney, Sambar,Curd.	Peruguvada, (1) Manchuria (2) Masalavada ,(3) Mirchibajji,(4) Ragijava, Tea, Milk.	Pulka-Chenna masala, Boiled Eggs- Onion Curry/Onion Pulusu, Vankai curry, Pappucharu, Rasam, Palli Chatney, Fruit, Curd.
SUNDAY	Masala Dosa,(1,3)Plain dosa(2,4) Upma, Ragi Idly, Idly, Poori (Montly Once),Alu curry, Putnaluchutney, Ginger Chuteny Coffee,Milk.	Muddapappu,Avakai, Kakarai Iguru/ Kakarakai Karam, Carrot Thurumu curry,Pakodi Pulusu,Pachipulusu, Sambar, Patchipulusu.	Uggani,Masasala Maramaralu (1,2,3)Creambun,(4) Payasam, Senagalu thalimpu, Tea, Milk.	Pulka –Palav, Veg kurma, Chicken Curry, Raita Kaju kurma, Sweet, Gongura chutney,Mullakai tomato curry, Pappucharu, Rasam,Curd.

VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
Estd. u/s 3 of UGC Act 1956

Ref: VFSTR/Reg/A1/43/2019 Date: 01.02.2019

CIRCULAR
TO ALL STAFF OF VFSTR, (Deemed to be University)

This is to inform all the staff members of the Vignan's Foundation for Science, Technology and Research (Deemed to be University), that as a token of Goodwill and appreciation, Hon'ble Chairman has directed to provide Hot Lunch to both Teaching and Non-Teaching staff members with effect from **02.02.2019** (Saturday) from 12.00 noon to 2.00 PM as per the following arrangement :

Sl. No	Block	Venue (Ground Floors only)	Concerned staff members	Allotment of Attenders
1	'A'	Corridor outside the T&P interview panels	A-Block staff and Library staff	1. Mr. Sk. Mahaboob Subhani and 2. Mr. G. Ramesh of T&P 3. Mr. G Anil Kumar of RO
2	'H'	Chemical Labs Monday – VGF 14A from 12.30 to 2.30 PM Tuesday – VGF13 Wednesday – VGF 14A Thursday – VGF 14A Friday – VGF13 Saturday – VGF 14A	H Block staff and Electrical Maintenance staff	1. Mr. S. Gopi of Chem. Engg. 2. Mr. Sk. Mansoor of EEE
3	'U'	Concrete Lab	U Block staff, PD staff and work shop staff	1. Mr. M. Ravindra of Civil 2. Mr. K. Lakshmaiah of MECH
4	Pharmacy (CSE)	Structural Engg. Lab	CSE staff	1. Ms. Y. Prameela of CSE 2. Mr. K. Sudheer Babu of DEM Office

The Attenders listed above are responsible for assisting the hostel staff in the smooth and efficient serving of lunch to the staff members.

Non-Teaching staff members are requested to have their lunch preferably after 1.00 PM so as to allow maximum teaching staff members to have their lunch between 12 noon to 1.00 PM.

REGISTRAR
VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Declared to be Deemed University U/S 3 of UGC Act 1956)
VADLAMUDI-522 213.
A.P. INDIA

To
All the Staff members of VFSTR

Copy to:
PS to Vice-Chancellor / Rector / Mess In-Charge / Librarian / WS. Suptd. / Chief Wardens of Boys & Girls hostels / Mr. S. Vijayalakshmi, Mess In-charge / Mr. G Hanumantha Rao, Workers Supervisor

Report on Field Visit to *Vejendla and Vadlamudi villages*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty carried out a field visit on **23.11.2024** at Vejendla and Vadlamudi villages under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. N. Harisha, Assistant Professor (Agril.Extension) AHS. VFSTR
2. Dr. S. Siva Naga Raju, Assistant Professor (SS & AC), AHS, VFSTR
3. Mrs. N. Kavya, Assistant Professor (Plant Pathology), AHS, VFSTR

Farmers interacted during the visit

1. R.Koteswara Rao 2. K. Ravindra Reddy 3. K.Lokeswara Rao 4.R.Nageswara Rao

Observations made:

1. Paddy crop is ready to harvest. The farmers wish to harvest duly observing cyclonic weather conditions
2. The farmers are hiring combined harvester to harvest paddy, dry the produce and dispose of through Rytu seva kendram and middlemen
3. Observed sodic soils in both the villages
4. Observed the incidence of thrips in chilli which is above ETL causing upward curling

Suggestions made

- During discussion on use of inorganic fertilisers advised them to go for straight fertilisers instead complex fertilisers and also Soil test based fertiliser application of straight fertilisers in order to limit the cost and effective use of nutrients by crops. Thereby the imbalance application of fertilisers can be avoided
- Suggested to go for the application of Gypsum @ 100 to 150Kg /ac before sowing maize and Jowar in rice fallow
- Suggested the farmers to spray Acetamiprid 20% SP 0.2g / Fipronil 5% SC 2.0m l / Diafenthiuron 50% WP 1.5g / Spinosad 45% SC 0.25ml along with Azadirachtin 1500 ppm @ 3-5 ml/l of water to suppress the thrips as well other sucking pests.
- Suggested to go for the application of Gypsum @ 100 to 150Kg /ac before sowing maize and Jowar in rice fallow
- Advised to monitor the incidence of fall armyworm in Maize and jowar

Mrs. N. Kavya,
Assistant Professor
(Plant Pathology)
AHS, VFSTR

Dr. S. Siva Naga Raju
Assistant Professor
(SS & AC)
AHS, VFSTR

Photo Attached

Discussion on thrip incidence in chilli

Dr. N. Harisha, Assistant Professor (Agril.Extension) AHS, VFSTR.

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be university) VADLAMUDI
DEPARTENT OF AGRICULTURAL AND HORTICULTURAL SCIENCES
VILLAGER ADOPTION PROGRAMME

Date:27.7.2024

REPORT ON VILLAGE ADOPTION PROGRAMME

A three membered team of faculty carried out a field visit on **27.07.2024** at Vadlamudi village, Chebrole Mandal under Village Adoption Programme of AHS, VFSTRU, Vadlamudi.

Team of Faculty visited

1. Dr. MLN Nandini, Assistant Professor (Plant Pathology), AHS, VFSTRU.
2. Dr. Md. Anwar Ali, Assistant Professor (Plant Physiology), AHS, VFSTRU.
3. Dr. Harisha N, Assistant Professor (Agril. Extension), AHS, VFSTRU.

Farmers interacted during the visit

1. A Nageswara Rao
2. A. Ramakrishna
3. S. Srinivas Rao

Observations made:

- Good paddy germination was observed in the Direct Seeded Rice fields.
- In a few farmers' fields, poor paddy germination was observed due to water logging, seed rot, and reduced oxygen availability to seeds caused by heavy rain in the previous week.
- Canal irrigation is available for paddy cultivation at the right time.
- A. Ramakrishna expressed that the Direct Seeded Rice method helped farmers save up to Rs. 12,000 per acre in cultivation costs.
- A. Nageswara Rao applied the post-emergent herbicide Bispyribac Sodium (Nominee Gold) at 80-120 ml per acre, which led to weed control in the field.
- Heavy undecomposed maize stubbles observed in the paddy field.

Suggestions given:

- Suggested to adopt proper drainage to improve germination percentage.
- Recommended to maize stubble in the same field to help improve soil fertility.

Photos attached

Observing germination in DSR paddy field

Interaction with A. Ramakrishna, Progressive farmers with regard to scientific paddy cultivation

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be university) VADLAMUDI
DEPARTENT OF AGRICULTURAL AND HORTICULTURAL SCIENCES
VILLAGER ADOPTION PROGRAMME

Date:29.6.2024

REPORT ON VILLAGE ADOPTION PROGRAMME

A team of faculty carried out a diagnostic field visit on **29.06.2024** at Vejendla village, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi.

A team of Faculty visited

1. Dr. Harisha , Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi
2. Ms. Kavya, Assistant Professor (Plant Pathology), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. S. Shankaraih 2. Kotappa Reddy

Observations made:

1. Farmers are performing the planting of Bitter guard and cocccinia saplings
2. White flies infestation were observed in Bitter guard.
3. Weeding takes place in coccidian
4. Paddy seeds (BPT5024) procured and land prepared for nursery

Suggestions given:

- Interacted with the group of farmers and discussed the cost of cultivation and sowing operations
- Advised to adopt yellow sticky traps for better management of whiteflies in Bitter guard

Dr. Harisha
Assistant Professor,
(Agril. Extension) AHS,
VFSTRU, Vadlamudi

Ms. N. Kavya
Assistant Professor
(Pathology)
AHS, VFSTRU
Vadlamudi

Report on a Field visit to Vejendla village, Chebrole Mandal under Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty members of the Department of AHS, VFSTRU conducted a diagnostic field visit on **02.03.2024** at Vejendla village, Chebrole Mandal under Village Adoption Programme. The crops Maize in dough stage and chickpea in physiological maturity stage under assured irrigation from the Nambur-Guntur channel.

Team of Faculty

1. Dr. L.Geethanjali, Assistant Professor (Entomology), AHS, VFSTRU, Vadlamudi
2. Dr. Jyothi Hosamath, Assistant Professor (Horticulture), AHS, VFSTRU, Vadlamudi
3. Miss. K.Sravya, Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi

Farmers attended the visit.

1. E. Ravindra Babu 2. D. Srinivasa Rao

Observations made:

1. Observed that yellowing of chickpea due to moisture stress at maturity stage
2. Damage from birds was seen in maize
3. The farmers are using Thiophanate Methyl 70%. WP (Bulton) for management of wilt in chickpea
4. The farmer D. Srinivasa Rao has taken preventive measure of fall army worm in maize by spraying of Emamectin benzoate (Proclaim) 1g /l four times at an interval of 20 days.
5. The present price of chickpea ranges from Rs. 5200-5800 q^{-1} depending on the variety
6. The present price of maize Rs. 2000-2200 q^{-1} depending on the variety

Suggestions are given:

- Advised timely irrigation in chickpea
- IPM Practices are to be followed in order to reduce the incidence of FAW in maize

Photos Attached

Mis K. Sravya,
Assistant Professor
(Agril. Extension)
AHS, VFSTRU, Vadlamudi

Observing yellowing symptoms in chickpea

Dr. Jyothi Hosamath
Assistant Professor
(Horticulture),
AHS, VFSTRU, Vadlamudi

Interaction with farmers

Dr. L. Geethanjali,
Assistant Professor
(Entomology)
AHS,VFSTRU, Vadlamudi

Interaction with the farmer about the management of the fall armyworm

Report on a Field visit to Vadlamudi and Vejendla villags, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A two membered team of faculty visited the fields on **06.04.2024** at Vadlamudi and Vejendla villages of Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi. The team visited the crops maize, jowar, and black gram in rice fallow cultivated under ID conditions. No alarming pests and diseases was observed on the above crops. The blackgram crop is at harvesting stage. Maize is at physiological maturity stage and jowar is at milky to grain hardening stage in rice fallow and uplands.

A team of Faculty visited

1 Dr. Y. Vara Prasad. Assistant Director, AHS, VFSTRU, Vadlamudi

2. Ms. K. Sravya, Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. Yerramreddy Anki Reddy

Observations made:

1. The pests and diseases are not alarming maize and jowar and blackgram
2. The maize is at the physiological maturity stage in rice fallow at Vejendla The crop is suffering from terminal moisture stress due to non-availability of water Hence the yields may be reduced and expected yield may be 15 q per ac
3. Jowar is at milky to grain hardening stage and a few early sown jowar is under harvest in both the villages
4. The blackgram is identified as LBG645 based on polish and bold type of seed. The yield ranged from 3 to 5 bags per acre depending the available soil moisture
5. The farmers have removed the pandals and preparing the lands for vegetable cultivation during ensuing kharif season

Photos attached

Observing the maturity in Jowar

Interaction on blackgram variety LBG 645

Ms. Kanakala Sravya,
Assistant Professor
(Agril. Extension)
AHS, VFSTR, Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,
Vadlamudi

Report on a Field visit to Vadlamudi & Vejendla villages, Chebrole Mandal under Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty members of the Department of AHS, VFSTRU conducted a diagnostic field visit on **13.04.2024** at Vadlamudi & Vejendla villages, Chebrole Mandal under Village Adoption Programme. The crops Sorghum in harvesting stage and chilli grading are observed.

Team of Faculty

1. Dr. Harisha N., Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi
2. Dr. L.Geethanjali, Assistant Professor (Entomology), AHS, VFSTRU, Vadlamudi
3. Mr. Md. Rahaman Khan, Assistant Professor (Agronomy), AHS, VFSTRU, Vadlamudi

Farmers attended the visit.

1. Shamshuddin 2. Srinivas Reddy

Observations made:

1. Observed that, due to sudden rain mould formation on grains
2. Damage from birds was seen in Sorghum
3. The farmers are using chilli variety specifically used for dye
4. The farmer Srinivas Reddy had taken grading of chilli for marketing
5. The present price of Sorghum ranges from Rs. 2000-2200 q^{-1} depending on the variety

Suggestions are given:

- Advised to go for drying of sorghum which is affected with sudden rains in Vadlamudi.
- Advised to go for green manure crops in lean period for maintaining soil health in Vadlamudi after sorghum, which is an exhaustive crop.
- Advised to store chilly and sell to get good market price.

Photos Attached

Observing moulds in sorghum,

Interaction with the farmer about Chilli grading

Mr. Md. Rahaman Khan,
Assistant Professor (Agronomy),
AHS, VFSTRU, Vadlamudi

Dr.L.Geethanjali,
Assistant Professor (Entomology),
AHS, VFSTRU, Vadlamudi

Dr. Harisha N.,
Assistant Professor (Agril.Extension),
AHS, VFSTRU, Vadlamudi

Report on a Field visit to Vejendla village, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following team of faculty carried out a field visit on **27.04.2024** at Vejendla village Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi. The team visited the crops maize, and jowar, in garden/ uplands cultivated under ID conditions. No alarming situation of pests was observed on the above crops. Maize is at harvesting stage and jowar is harvested in rice fallows uplands.

A team of Faculty visited

1. Ms. K. Sravya, Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi
2. Ms. P. Amrutha Varshini, Assistant Professor (Agronomy), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. Thati. Anjaneyulu

Observations made:

1. There is no alarming situation of pests in both maize and jowar. The maize is affected by *Aspergillus* kernel rot disease.
2. Jowar is harvested and kept for drying to reduce the moisture content.
3. Moisture stress conditions were observed in maize and led to a 50% yield loss
4. Dismantling of the pandal system.

Photos attached

Maize in moisture stress

Heliothis and mould-damaged cob

Sun drying of harvested cobs

Ms. P. Amrutha Varshini,
Assistant Professor
(Agronomy)
AHS, VFSTR, Vadlamudi

Ms. Kanakala Sravya,
Assistant Professor
(Agril. Extension)
AHS, VFSTR, Vadlamudi

Report on a Field visit to Vejendla village, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A team of faculty carried out a field visit on **04.05.2024** at Vejendla village, Chebrole (M), Guntur (Dt.) under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi. The farmers are preparing the land for Kharif season 2024-25 in up lands for vegetable crops particularly gourds like Little gourd (Coccinia), Bitter gourd, Ribbed gourd, Snake gourd and tomato.

A team of Faculty visited

1. Dr. A. Aruna Kumari, Assistant Professor, AHS, VFSTRU, Vadlamudi
2. Dr. M. Lakshmi Naga Nandini, Assistant Professor, AHS, VFSTRU, Vadlamudi
3. Dr. Md. Anwar Ali, Assistant Professor, AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. G. Harikrishna 2. K. Ananda Rao 3. K. Vamsi Krishna 4. G. Venkatarao

Observations made: The following points emerged through group discussion on Kharif action plan of the above group of farmers.

1. Noticed that the above farmers completed the process of grain separation from maize cobs preparing the land in up lands under assured irrigation for vegetable crops particularly gourds like Little gourd (Coccinia), Bitter gourd, Ribbed gourd, Snake gourd, Dolichos and tomato.
2. Under wet land situation the farmers are ready to take up direct sowing of paddy with the variety BPT 5204 soon after the soil get saturated by ensuing rains.
3. Identified saline area in the land adjacent to Village tank due to ill drained conditions.
4. Second crop of coccinia is affected due to seepage from the Village tank.
5. Observed Fusarium wilt incidence in tomato crop.

Suggestions are given:

- Advised the farmers to go for saline tolerant crops or fodder crop like super Napier grass which showed tolerance (2^{nd} & 3^{rd} ratoonings of super napier) under field conditions.
- Apply the fertilizers on soil test basis and also suggested to get the open well water analyzed at Soil test laboratory of Dept of Agriculture Guntur.
- In order to reduce salinity, apply gypsum (calcium sulfate) 150Kg/ac or Incorporate organic matter through FYM 5t /ac or green manure crops like sunhemp/ Pillipesara/Daihincha. Suggested to make deep trenches around the field or crop.

- **Photo attached**

Group discussion on the action plan of crops for Kharif 2024-25

Report on a Field visit to Vadlamudi and Vejendla villags, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A Two membered team of faculty visited Vejendla and Vadlamudi villages of Chebrole Mandal on **11.05.2024** under Village Adoption Programme of AHS, VFSTRU, Vadlamudi. The team observed second year of Coccinia pandals under ID conditions in uplands. No alarming pests and diseases were observed in coccinia. The team conducted three formal group discussions

A team of Faculty visited.

1. Dr. Y. Vara Prasad. Assistant Director, AHS, VFSTRU, Vadlamudi
2. Ms. N.V.Vyshnavi, Assistant Professor (SSAC), AHS, VFSTRU, Vadlamudi

Farmers attended during visit

Group I - Vejendla
1.B.Rami Reddy
2.V.Venkateswara Reddy
3.K.Ravi Reddy.
4.Y.Anki Reddy

Group II – Vejendla
1. Ravindra Reddy
2. G. Pamulu
3. M. Venkata Reddy
4. K. Suresh

Points discussed:

1. The Bitter gourd crop sown during kharif was observed to be failed due to mottling of leaves in early stage of the crop in the entire village. Hence the farmers decided to grow this crop in Rabi season.
2. Farmers expressed that the crops like snake goud, bottle gourd, coccinia and ridge gourd will be grown during Kharif 2024 season under upland situation.
3. The Bean crop will be sown during August in the pandals of above crops
4. The paddy will be grown in ensuing kharif 2024 using the variety 5204 under canal irrigation followed by maize,J owar ,greengram and blackgram under rice fallow situation.
5. The yield of maize and jowar ranged between 10 to 30 q /ac.
6. The yield of greengram and blackgram was recorded as 4-6 q/ac and 6-10 q/ac respectively

Group III – Vadlamudi

1. S. Srinu
2. B. Bhavani prasad
3. Adam shafi
4. B. Ram Mohan Rao
5. Shaik Hasan
6. Jakir Hussain
7. Sk. Jilani

The rice-based cropping system is predominant during Kharif followed by maize and jowar during rabi.

- The yield of Maize and Jowar was ranged between 20 to 40 q/ac depending on the salinity levels and irrigation with river water through canals.
- The farmers informed that 400 acres of land at Vadlamudi is under saline conditions which has to be reclaimed for growing crops.

Ms. N.V.Vyshnavi, Assistant Professor (SSAC), AHS, VFSTRU, Vadlamudi briefed the reasons for salinity in the soil and advised the following remedies to reclaim saline soils.

1. Scraping of top saline layer
2. Adopt leeching procedure to remove salts with river water once in three days. Provide drainage channels.
3. Suggested to incorporate green manure crops like dhaincha, Sunhemp etc
4. Grow saline tolerant paddy varieties.
5. Avoid indiscriminate use of complex fertilisers

The farmers requested a one-day training programme on the management of saline soils to create awareness on the reclamation of saline soils

Photos attached

Group discussion on cropping pattern during Kharif 2024-25 at Vejendla village

Group discussion on cropping pattern during Kharif 2024-25 at Vejendla village

Group discussion on cropping pattern during Kharif 2024-25 and management of saline soils at Vadlamudi village

Ms. N.V.Vyshnavi,
Assistant Professor (SSAC)
AHS, VFSTR,
Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,
Vadlamudi

Report on a Field Visit to Vejendla villags, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty visited Vejendla village, Chebrole Mandal on **25.05.2024** under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi. The team observed the second year of Coccinia pandals under ID conditions in the uplands. No alarming pests and diseases were observed in Coccinia. The team conducted three formal group discussions.

A team of Faculty visited

1. Dr. Y. Vara Prasad. Assistant Director, AHS, VFSTRU, Vadlamudi
2. Dr. H. Rajanand, Assistant Professor, Agronomy, AHS, VFSTRU, Vadlamudi
3. Mis. Kavya Nati, Assistant Professor, Pl. Pathology, AHS, VFSTRU, Vadlamudi

The land preparation is in progress, and farmers are waiting for adequate rainfall and a supply of water into the Nambur Channel.

Interaction with small scale farmers on cropping pattern as detailed below

Farmers attended during visit

S.No	Farmer's name	Crops	Area	Own/Tenant	Varieties
1	K. Yesu Ratnam	Paddy	0.50 ac	Own	BPT-5204
		Coccinia 1Yr	0.10 ac	Lease	Bengali type
2	K. Venkateswarulu	Paddy	1.00 ac	Own	BPT-5204
3	T. Seethayya	Paddy	1.50 ac	Own	BPT-5204
4	E. Srinivasa Rao	Coccinia 1Yr	0.40 ac	Lease	Bengali type
5	E. Yedukondalu	Chilli	0.70 ac	Lease	No-5
6	M. Mosha	Paddy	1.00 ac	own	BPT-5204
7	T. Chandrasekhar	Coccinia 1Yr	0.50 ac	Own	Bengali
8	T. Narasimha rao	Coccinia 1Yr	0.50 ac	Own	Bengali

Points discussed:

1. Farmers expressed that salinity is observed by the side of canals due to entering sewage water into the Nambur channel, is a regular phenomenon.

The rice-based cropping system is predominant under Nambur channel during *Kharif,* followed by maize, jowar, greengram and blackgram during *Rabi*.

Suggestions made

1. Digging of trenches along with the bund of channel to drain out the mixed water.
2. Suggested to incorporate green manure crops like dhaincha, Sunhemp *etc*.
3. Grow saline tolerant paddy varieties.
4. Avoid indiscriminate use of complex fertilizers.

Photo attached

Interaction with the farmers on land preparation and crop Plan

Mis. Kavya Nati,
Assistant Professor,
Pl.Pathology , AHS,
VFSTRU, Vadlamudi

Dr.H.Rajanand,
Assistant Professor (Agronomy)
AHS, VFSTR,
Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,
Vadlamudi

Report on Field Visit to *Vejendla and Vadlamudi villages*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTRU, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A visit was made by the following team to Vejendla and Vadlamudi Villages, Chebrole Mandal on **01.06.2024** under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. Y. Vara Prasad, Assistant Director
2. Dr. N. Harisha, Assistant Professor (Agril. Extension)
3. Ms. P. Amrutha Varshini, Assistant Professor (Agronomy)

Rain Fall : The total rain fall of 114.4 mm was received in 8 rainy days in Chebrole Mandal during May 2024 as against normal rain fall of 73.7mm (Source : DoA, Chebrole). This facilitated the farmers to go for land preparation.

Observations made at Vejendla Village

The farmers-initiated sowings of gourd crops viz Coccinea, Bitter gourd, Snake gourd, Bottle gourd under pandal system following the spacing of 2.5 m x 2.5 m using pot watering with available water in farm ponds. The farmers are procuring pretreated hybrid seed of vegetable crops from Input dealers. In case of Coccinea, farmers are procuring sprouted cutting in Protrays with approximate cost of Rs.15.00 each cutting from Ravulapalem East Godavari Dst and also from Bangalore.

Farmers take Plant protection measures from 20DAP with Chlorpyriphos 2.5 ml /l of water to control sucking pests.

- Uplands - Crop rotation in vegetables
1. Coccinea – As sole crop for Two years
2. Bitter gourd/Bottle gourd/Snake gourd /Ribbed gourd – Broad bean
- Wet land - Rice based cropping system: Paddy – Greengram / Blackgram/Maize/Jowar

Vadlamudi Village

The farmers are planning to get land prepared for Rice based cropping system : Paddy – Maize/Jowar

Farmers attended during visit

1. B. Siva Gopal Reddy 2. A. Sambi Reddy 3. V. Rami Reddy 4. V.Tirumala Reddy

Suggestions made

1. Advised to apply fertilisers on soil test basis to avoid soil nutrition imbalance
2. In wetlands, suggested to grow green manure crops viz., Sunhemp/Dhaincha and incorporate before flowering or 45DAS to improve soil fertility.
3. Advised to summer ploughing immediately before on set of monsoon to expose pupal population of insect pest.

GPS Photo Attached

Mis. P. Amrutha Varshini,
Assistant Professor,(Agronomy)
AHS, VFSTRU, Vadlamudi

Dr.N. Harisha ,
Assistant Professor (Agrl Extn.)
AHS, VFSTR,Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,Vadlamudi

VAP team Interacted with V.Rami Reddy on coccinea cultivation

Report on Field Visit to *Vadlamudi village*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty conducted a field visit on **30.11.2024** at Vadlamudi village under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. Rajanand Hiremath, Assistant Professor (Agronomy) AHS, VFSTR
2. Dr. B. Srinivasulu, Assistant Professor (Horticulture), AHS, VFSTR

Farmers interacted during the visit

1. V. Pavan Kumar 2. T. Srinivasa Rao 3. Shaik Moulali 4.S.Harinath

Observations made:

1. The village is predominantly having Rice based cropping system during Kharif in an area of 1750 acres. Ninety per cent of paddy area was occupied by BPT 5204.The harvesting may be completed during first fortnight of December 2024.
2. The MSP of paddy is Rs.1740.00 and Rs.1725.00 of 75 Kg bag in case of fine and coarse respectively. Depending the weather and feasibilities some farmers selling Paddy directly through middlemen @ Rs.1400.00 to 1500.00 per bag of 75 or 76 Kg.
3. Around Ninety per cent of farmers are hiring combined harvester @ Rs. 2800.00 per hour. The harvesting time per acre is ranged from 1 – 2.5 hours depending on crop condition. The remaining farmers preferred manual harvesting of paddy for paddy straw to feed their milch or draft animals. The estimated average yield is ranged from 30 to 32 bags (75Kg) per acre as per CC experiments of DoA.
4. Sowing of Maize with hybrids of Pioneer (8256) and Nuzvid Seeds (Winner) and Jowar hybrid Mahalaxmi of Mahyco is under progress under zero tillage conditions with residual moisture in the soil.
5. Observed sodic soils in Vadlamudi

Suggestions made

1. Suggested to go for the application of Gypsum @ 100 to 150Kg /ac before sowing maize and Jowar in rice fallow
2. Advised to monitor the incidence of fall armyworm in Maize and jowar

Mrs. N. Kavya	Dr. B. Srinivasulu	Dr. Rajanand Hiremath
Assistant Professor	Assistant Professor	Assistant Professor
(Plant Pathology)	(Horticulture)	(Agronomy)
AHS, VFSTR	AHS, VFSTR	AHS, VFSTR.

Photo Attached

Interaction with farmers on status of Kharif paddy

Report on a Field visit to Vejendla and Vadlamudi villages, Chebrole Mandal under Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The Department of AHS, VFSTRU conducted a diagnostic field visit on **17.02.2024** at Vejendla and Vadlamudi villages, Chebrole Mandal under Village Adoption Programme. The crops Maize, Sorghum in vegetative, Greengram, and Blackgram in flower initiation stages in rice fallow under assured irrigation from Nambur -Gunur channel. Depending on the availability of water in the chaanels the above crops were irrigated. Chilli crop is under harvesting and drying. Bottle gourd, Bitter gourd, coccinia and Tomato are in fruiting stage in late sown crops during Rabi season. The following team members visited.

Team of Faculty

1. Dr. Y. Vara Prasad, Assistant Director, AHS, VFSTRU, Vadlamudi
2. Dr. G.Siva naga Raju, Assistant Professor (SS&AC), AHS, VFSTRU, Vadlamudi
3. Dr. H. Rajanand, Assistant Professor (Agronomy), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. Sk.Ibrahim, **2.** Sk . Moulali

Observations made:

1. It was noticed that the farmers are growing vegetable crops particularly gourds (Bitter gourd, Bottle gourd), chilli and tomato under assured irrigation like drain channels and tanks
2. The crops are in the vegetative to flowering.
3. Observed that Greengram and blackgram crops are suffering from moisture stress which are at flower initiation. Thrips in flowers and stray incidence of *Maruca sp* were observed
4. Maize and Sorghum crops are at 40DAS to grand growth period in Rice fallow. Stunted growth was noticed due to sodicity in the soil
5. Maize, jowar, blackgram and greengram in rice fallow observed in Vadlamudi and found that crops are at stunted growth due to salinity in larger extends.

Suggestions are given:

- Advised the farmers to spray Chlorpyriphos 2.5 ml / + Neem OIL 1500ppm 5 ml /l against borers and other sucking pests. Spray Novaluron @ 1 ml/lit against borers in blackgram and green gram twice at 10-15 day interval at Flowering stage
- The effect of salinity in Vadlamudi village was explained to Mr. Ratna Babu, VAA RBK2 Mrs.Bhavana VAA RBK1 and requested to conduct an awareness programme on reclamation of saline soils.
- Identified a training need and planned to organize a one day training programme to the farmers entitled " Management of saline soils " at Vadlamudi during third/fourth week of February 2024. Dr. G.Siva Naga Raju, Assistant Professor (SS&AC), AHS, VFSTRU, Vadlamudi proposed an exposure visit for third year students to Farmers fields of Vadlamudi on the subject.
- The management strategies in saline soils were explained to Sk.Ibrahim of Vadlamudi
    - Incorporation of green manure crops, drainage channels around the field to leach out the salts. Irrigate the field with canal water once in 3-4 days and drain out to leech out the salts

Contd.2

Photos Attached

Dr. H.Rajanand Assistant Professor
(Agronomy)
AHS, VFSTRU, Vadlamudi

Dr. G.Siva Naga Raju
Assistant Professor
(SS&AC)
AHS, VFSTRU, Vadlamudi

Dr. Y. Vara Prasad
Assistant Director
AHS, VFSTRU, Vadlamudi

Observing salt encrustation on top layer of soil due to salinity

Interaction with the farmer on management of saline soils

Stunted growth of Jowar due to salinity

Nature of saline soil

Indicator plant for salinity

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be university) VADLAMUDI
DEPARTENT OF AGRICULTURAL AND HORTICULTURAL SCIENCES
VILLAGER ADOPTION PROGRAMME

Date:10.8.2024

REPORT ON VILLAGE ADOPTION PROGRAMME

The following team visited Vejendla and Vadlamudi Villages, Chebrole Mandal on **10.08.2024** under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. Y. Vara Prasad, Assistant Director
2. Dr. N. Harisha, Assistant Professor (Agril. Extension)
3. Dr. U. Pandu, Assistant Professor (Agronomy)

Crop wise Area covered as on 10.08.2024 during *Kharif* 2024-25

Vejendla Village		**Vadlamudi Village**	
Crop	**Area in ac.**	**Crop**	**Area in ac.**
Paddy	**1400**	**Paddy**	**1270**
Coccinea	**30**	**Gongura**	**20**
Bitter gourd	**60**	**Sapota**	**40**
Bottle gourd	**10**	**Lemon**	**35**
Snake gourd	**10**	**Green Manure**	**10**
Beans	**60**	**-**	**-**
Total	**1570**		**1375**
Cultivable area	**2016**		**2051**
Fallow	**446**		**676**
Normal area	**1851**		**1666**

Source : Department of Agriculture, A.P

Mandal Chebrole

Rain Fall (mm) during 2024-25

Month	**Normal**	**Actual**	**No of days**
April	**14.5**	**0.0**	**0**
May	**73.7**	**102.4**	**4**
June	**110.0**	**241.6**	**8**
July	**171.9**	**221.8**	**8**
August up to 10.08.2024	**145.4**	**105.0**	**2**

Source : Department of Agriculture

Observations Made

Paddy : With the showers of rain occurred during June 2024 and July2024 the farmers adopted Direct sown paddy. Twenty-five per cent area of paddy was damaged due to rains at the time of sprouting, which was resown at Vadlamudi village.

Cent per cent area in Vejendla and 95 per cent in Vadlamudi under rice based cropping system was covered by the rice variety BPT 5204. The variety BPT2595 (150- 155 days) occupied the remaining area in Vadlamudi. The crop is found to be at 15 DAS to 40 DAS. In saline areas of Vadlamudi the crop shown

stunted growth. No alarming pests and diseases were observed. The farmers are maintaining weed free crop by spraying herbicides like Bispyribac sodium 10% SC (Nominee Gold) 120 ml + Fenoxaprop-p-ethyl 6.9 EC (Ricestar) 350 ml per acre at 20 DAS to suppress grassy weeds particularly Echinochloa spp. The herbicide Metsulfuron Methyl 10% + Chlorimuron ethyl 10% WP (Almix) at lower doses of 8 -10 g /acre is also being used as pre emergence weedicide for control of broad leaf weeds.

Vegetable crops: The stage of gourd crops *viz.* Coccinia, Bottle Gourd, Snake Gourd and Bitter Gourd varied from 20 DAS to fruit bearing stage. Bean crop is 10-15 days age. No alarming pests and diseases were observed. Farmers are maintaining weed free crop by spraying herbicides at different situations and different crops

1. Glufosinate Ammonium 13.5%w/w SL Sweep Power – 1-1.5 l /ac during land preparation
2. Metribuzin 70% WP (Barrier) – 250ml/ ac in Tomato
3. Quizalofop Ethyl EC 5% - 40ml/ac in Gourds
4. Paraquat Dichloride 24% SL (Gramoxone) 500ml per acre using hood and manual weeding
5. Glyphosate 41% SL – For suppressing all weeds
6. Propaquizafop 2.5%+Imazethapyr 3.75% w/w ME (Shaked) 600g/ac in Beans

Farmers attended during visit

1. P. Surendra Babu
2. Palaparthi Nageswara Rao
3. Shaik Moulali
4. B.Ravi
5. G,Hari Krishna

Suggestions made

1. Advised to apply a booster dose of 15Kg urea per acre in rain affected paddy after receding of water.
2. In case of saline areas advised to irrigate the field frequently with fresh water from canals and drain out in order to leach out the salts.

Dr. U. Pandu
Assistant Professor, (Agronomy)
AHS, VFSTRU, Vadlamudi

Dr.N. Harisha ,
Assistant Professor (Agrl Extension)
AHS, VFSTR,
Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,
Vadlamudi

Photo Attached

Interviewed the farmer on affect of rains on direct sown paddy

Group discussion on direct sown paddy affected by rains at Vadlamudi

Report on Field Visit to *Vejendla and Vadlamudi villages*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTRU, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following team visited Vejendla and Vadlamudi Villages, Chebrole Mandal on **10.08.2024** under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. Y. Vara Prasad, Assistant Director
2. Dr. N. Harisha, Assistant Professor (Agril. Extension)
3. Dr. U. Pandu, Assistant Professor (Agronomy)

Crop wise Area covered as on 10.08.2024 during *Kharif* 2024-25

Vejendla Village		**Vadlamudi Village**	
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Mandal Chebrole

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Source : Department of Agriculture

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Cent per cent area in Vejendla and 95 per cent in Vadlamudi under rice based cropping system was covered by the rice variety BPT 5204. The variety BPT2595 (150- 155 days) occupied the remaining area in Vadlamudi. The crop is found to be at 15 DAS to 40 DAS. In saline areas of Vadlamudi the crop shown stunted growth. No alarming pests and diseases were observed. The farmers are maintaining weed free crop by spraying herbicides like Bispyribac sodium 10% SC (Nominee Gold) 120 ml + Fenoxaprop-p-ethyl 6.9 EC (Ricestar) 350 ml per acre at 20 DAS to suppress grassy weeds particularly Echinochloa spp. The herbicide Metsulfuron Methyl 10% + Chlorimuron ethyl 10% WP (Almix) at lower doses of 8 -10 g /acre is also being used as pre emergence weedicide for control of broad leaf weeds.

Vegetable crops: The stage of gourd crops *viz.* Coccinia, Bottle Gourd, Snake Gourd and Bitter Gourd varied from 20 DAS to fruit bearing stage. Bean crop is 10-15 days age. No alarming pests and diseases were observed. Farmers are maintaining weed free crop by spraying herbicides at different situations and different crops

1. Glufosinate Ammonium 13.5%w/w SL Sweep Power – 1-1.5 l /ac during land preparation
2. Metribuzin 70% WP (Barrier) – 250ml/ ac in Tomato
3. Quizalofop Ethyl EC 5% - 40ml/ac in Gourds
4. Paraquat Dichloride 24% SL (Gramoxone) 500ml per acre using hood and manual weeding
5. Glyphosate 41% SL – For suppressing all weeds
6. Propaquizafop 2.5%+Imazethapyr 3.75% w/w ME (Shaked) 600g/ac in Beans

Farmers attended during visit

1. P. Surendra Babu
2. Palaparthi Nageswara Rao
3. Shaik Moulali
4. B.Ravi
5. G,Hari Krishna

Suggestions made

1. Advised to apply a booster dose of 15Kg urea per acre in rain affected paddy after receding of water.
2. In case of saline areas advised to irrigate the field frequently with fresh water from canals and drain out in order to leach out the salts.

Dr. U. Pandu
Assistant Professor, (Agronomy)
AHS, VFSTRU, Vadlamudi

Dr.N. Harisha ,
Assistant Professor (Agrl Extension)
AHS, VFSTR,
Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,
Vadlamudi

Photo Attached

Interviewed the farmer on affect of rains on direct sown paddy

Group discussion on direct sown paddy affected by rains at Vadlamudi

Report on Field Visit to *Vejendla and Vadlamudi villages*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTRU, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A three membered team of faculty carried out a field visit on **26.10.2024** at Vejendla and Vadlamudi villages under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. Y. Vara Prasad, Assistant Director AHS.
2. Dr. N. Harisha, Assistant Professor (Agril. Extension), AHS, VFSTRU.
3. Mr. T. Kanna, Assistant Professor (Agronomy), AHS, VFSTRU.

Farmers interacted during the visit

1. M. Narsi Reddy
2. Gopal Reddy
3. Venkata Rao

Observations made:

1. Visited Chilli field and observed Intercultivation with Bullock drawn Harrow to rake n the soil to deplete excess moisture as well to remove the weeds..
2. Observed flower drop in Dolichos fields which is due to heavy rains causing saturation of soils and moisture tension for a long period og 15 to 20 days. Hence yield may be reduced to 50 %. No alarming Pests and Diseases were observed except withering in coccinia and snake gourd.
3. The paddy crop is at maximum tillering to Panicle emergence stage. May be early No Sterility in the panicles was observed. The crop is found to be healthy in both Vejendla and Vadlamudi Villages

Suggestions made

1. Advised the farmer to spray 1% KNO_3 for good plant stand as the crop was affected by rains.
2. Advised the farmer to spray at the bottom of hill instead upper surface of crop incase of BPH. Sheath blight disease incidence is meagre in paddy at present

Mr. T. Kanna
Assistant Professor, (Agronomy)
AHS, VFSTRU, Vadlamudi

Dr.N. Harisha ,
Assistant Professor (Agrl Extension)
AHS, VFSTR,
Vadlamudi

Dr. Y. Vara Prasad.
Assistant Director,
AHS, VFSTRU,
Vadlamudi

Photo Attached

Observation of intercultivation with Bullock drawn Harrow in chilli loosening the soil and weed management.

Healthy paddy crop

Advised the farmer to spray insecticide at the bottom of hill

Report on Field Visit to *Vejendla and Vadlamudi villages*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A three membered team of faculty carried out a field visit on **02.11.2024** at Vejendla and Vadlamudi villages under ***Village Adoption Programme*** of AHS, VFSTR, Vadlamudi.

Faculty visited.

1. Dr. L. Geethanjali, Assistant Professor(Entomology) AHS. VFSTR
2. Mis. K.Sravya, Assistant Professor (Agril. Extension), AHS, VFSTR
3. Mr. Md. Rahaman Khan, Assistant Professor (Agronomy), AHS, VFSTR

Farmers interacted during the visit

1. V. Srinivasa Reddy 2.T. Rambabu 3. Pavankumar Reddy

Observations made:

1. Paddy crop is in grain filling to hardening stage.The incidence of BPH is found to be below ETL. Incidence of sheath blight disease is observed which is not alarming in both Vejendla and Vadlamudi Villages.The farmers are spraying Emamectin benzoate against leaf folder instead recommended cost effective insecticide like Chlorpyriphos 2.5ml/l of water
2. Chilli fields are in vegetative phase. Gap filling is being done in young crop.
3. Darshigold hybrid of tomato seedlings are planted under coccinia and bitter gourd pandals. Both the crops are found to be healthy and no alarming pests and diseases
4. The farmers are attending the trailing work in the crops tomato, bitter gourd and bean
5. Farmers are spraying herbicides Pendimethalin 30% EC(Stomp) 1000 ml /acre as pre emergence weedicide and Paraquat Dichloride 24% SL (Gramoxone) 1.5 to 2.0 l /ac using spray shield (hood)to control weeds under pandals and bunds depending the weed density

Suggestions made

1. Advised the farmers to spray Propiconazole (Tilt) or Azoxystrobin 25 SC 1.0ml or Hexaconazole(Contaf) 2.0ml / l of water twice at week to 10 day interval against sheath blight in paddy.

Mr. Md. Rahaman Khan
Assistant Professor, (Agronomy)
AHS, VFSTR, Vadlamudi

Mis. K. Sravya
Assistant Professor (Agrl Extn.)
AHS, VFSTR,Vadlamudi

Dr. L. Geethanjali.
Assistant Professor (Ento)
AHS, VFSTR Vadlamudi

Photo Attached

Trailing vines in vegetables

Gap filling in young chilli crop

Interaction on chilli pests

Group discussion on paddy and relay cropping at Vadlamudi Village

Report on Field Visit to *Vejendla village*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty carried out a field visit on **09.11.2024** at Vejendla village under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. L. Geethanjali, Assistant Professor(Entomology) AHS. VFSTR
2. Mrs. Himabindu, Assistant Professor (Soil Science & Agril.Chemistry), AHS, VFSTR

Farmers interacted during the visit

1. P. Anjaneyulu 2. P. Krishna Rao

Observations made:

1. The farmers are deeply involved in trailing of certain vegetable crop vines including Tomato, Bean and gourd crops
2. Paraquat Dichloride 24% SL (Gramoxone) 1.5 to 2.0 l /ac and Glyphosate a non selective herbicide 1.0 l /ac are being sprayed against to suppress the weeds such as *Cyperus* and *Echinochloa*.
3. Spraying Emamectin *benzoate* 5% G @ 80g/ac against targeted insect tobacco caterpillar / Fruit borer on tomato was observed.
4. *Tomato* is being cultivated under *Coccinia* pandals for efficient use of land and resources in order to increase the income per unit area

5.

Suggestions made

1. Advised the farmers to spray Propiconazole 25% EC (Tilt) or Azoxystrobin 25 SC 1.0ml or Hexaconazole 5%SC 2.0ml / l (Contaf) of water twice at week to 10 day interval against sheath blight in paddy.
2. Suggested spraying during morning hours only to avoid human toxicity

Mrs. Himabindu,
Assistant Professor (Soil Science & Agril.Chemistry),
AHS, VFSTR

Dr. L. Geethanjali.
Assistant Professor (Entomology),
AHS, VFSTRU,Vadlamudi

Photo Attached

Interaction with a farmer on pests and disease management in gourd crops

Herbicide spraying in coccinia

Report on Field Visit to *Vejendla and Vadlamudi villagse*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty carried out a field visit on **16.11.2024** at Vejendla and Vadlamudi villages under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. L. Geethanjali, Assistant Professor (Entomology) AHS. VFSTR
2. Ms. Sravya, Assistant Professor (Agril.Extension), AHS, VFSTR
3. Mr.M.Yousuf, Assistant Professor (Agronomy), AHS, VFSTR

Farmers interacted during the visit

1. Ramakrishna Reddy 2. K. Anjineyulu 3. K.Pothuraju

Observations made:

1. Observed that the farmers drained the entire water stagnated due to Heavy rains occurred recently from paddy fields to safeguard the lodged crop in both the villages.
2. In certain paddy fields heavy weed infestation i.e., *Echinochloa* was noticed.
3. Application of (20-20-0) fertilizers in placement method in 10 days old tomato crop was observed.
4. *The* Tomato crop cultivated under *Coccinia* pandals is found to be good and there are no alarming pests and diseases.
5. The young vegetable crops are found to be healthy.

Suggestions made

1. Advised the farmers to spray 2% salt solution to avoid discoloration and germination of grain on lodged crop.
2. Erection of a group of paddy hills and bind with straw in order to avoid ill filling, discoloration, germination of grain and yield losses of completely lodged crop
3. Basal application of Recommended fertilisers in any crop is advocated to the farmer
4. Suggested the farmers to spray Azadirachtin 1500 ppm @ 3-5 ml/l of water to suppress the incidence of sucking pests.
5. Advised the farmers to go for short duration pulse crops blackgram, greenngram as relay crops in rice fallow.
6. Maize and jowar cultivation may be taken up in rice fallow under assured irrigation
7. Regular scouting was advised on pests and disease incidence on crops
8.

Mr.M.Yousuf,
Assistant Professor
(Agronomy),
AHS, VFSTR

Ms. K. Sravya,
Assistant Professor
(Agril.Extension),
AHS, VFSTR

Dr. L. Geethanjali.
Assistant Professor
(Entomology),
AHS, VFSTR,

Photo Attached

Discussion on measures in lodged Paddy

Report on Field Visit to *Vejendla* and *Vadlamudi villages*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi. Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty conducted a field visit on **07.12.2024** at Vadlamudi village under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Ms. N. V.Vaishnavi , Assistant Professor (SS&AC), AHS, VFSTR
2. Mr. J.Netra, Assistant Professor (Horticulture) AHS, VFSTR

Farmers interacted during the visit

1. Thota Rambabu, 2. M. Nagamma

Observations made:

1. Observed Vegetable crops including Coccinia Tomato and chilli at Vejendla village
2. Fifty percent of the Coccinia grandis (ivy gourd) vines were unable to recover due to excessive moisture retained in the soil, resulting in a significant reduction in flowering. However, the farmers replaced the weak vines with healthy new plant material.
3. The tomato crop is grown using an indeterminate hybrid called Darsi Gold, which matures in 170 to 180 days. It is cultivated under weakened coccinia pandals to improve land productivity.
4. Staking is currently in progress. Flower initiation has been observed at the crop's age between 60 and 65 days after sowing (DAS).
5. A private hybrid variety, Syngenta 5531, is being cultivated for both green and dry chili which is at 75 DAS. A stray incidence of pod borer is observed. The earthing-up operation was conducted twice, which disturbed the root zone. This disturbance required irrigation and fertilizer application to help the plants recover from the shock.
6. The farmers in Vadlamudi are actively engaged in harvesting paddy. Additionally, they are staking the lodged crop to prevent discolouration and shredding of grain.

Suggestions made

1. It is suggested to spray Mancozeb at 2.5 g/l of water to control leaf spots and apply Chlorpyrifos at 2.0 ml plus Azadirachtin at 1500 ppm at 3 ml/l of water to combat borers and sucking pests in tomatoes.
2. Recommended spraying Fipronil + Imidacloprid WG 40 at a rate of 0.6 g per liter of water to control sucking pests and borers in chilli plants.
3. To enhance the growth of distressed chilli plants, suggest applying 20-25 kg of urea/ac.using the placement method and irrigate the crop.
4. Advised monitoring the incidence of fall armyworms in Maize and Jowar.
5. Recommended planting jowar instead of Maize and Pulse crops

Mr. J.Netra
Assistant Professor
(Horticulture) AHS, VFSTR

Ms. N. V.Vaishnavi
Assistant Professor (SS&AC), AHS, VFSTR.

Photo Attached

Interaction on chilli crop management

Tomato growing under Coccinea pandals

Status of Paddy

Report on Field Visit to *Vejendla village*, Chebrole Mandal under the *Village Adoption Programme* of AHS, VFSTR, Vadlamudi. Submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty conducted a field visit on **21.12.2024** at *Vejendla village* under ***Village Adoption Programme*** of AHS, VFSTRU, Vadlamudi.

Faculty visited.

1. Dr. Md. Anwar Ali, Assistant Professor (Crop Physiology) AHS, VFSTR
2. Dr. L. Geethanjali, Assistant Professor (Entomology) AHS. VFSTR

Farmers interacted during the visit

1.V. Srinivasasa Rao Vejendla 2. S. Pothu Raju Vejendla

Observations made:

1. Observed leaf curl transmitted by whitefly in bitter gourd. The crop is at fruit bearing stage
2. The tomato grown under damaged coccinia pandals is found to be satisfactory.
3. *Maruca v*trata and leaf minor are found to be alarming in bean crop
4. Leaf minor incidence in bottle gourd is considerable

Suggestions made

1. Suggested to spray Imidacloprid 0.5ml / l along with Azadirachitin 10000ppm 3ml/l against whiteflies
2. Mancozeb at 2.5 g/l of water to control leaf spots and Chlorpyrifos at 2.0 ml + Azadirachtin at 10000 ppm at 3 ml/l of water to combat borers and sucking pests in tomato.
3. Advised to spray Fipronil + Imidacloprid WG 40 at a rate of 0.6 g/l of water against sucking pests and borers in chilli crop.
4. Advised monitoring the incidence of fall armyworm in Maize and Jowar.
5. Recommended planting jowar instead of Maize and Pulse crops in saline areas
6. Alternate Spray of Chlorpyriphos 2.5ml / Thimethoxam 0.5g/l / Novaluron 0.3ml/l on bean crop against pod borers and leaf minor.

Dr. L. Geethanjali
Assistant Professor (Entomology)
AHS. VFSTR

Dr. Md. Anwar Ali
Assistant Professor (Crop Physiology)
AHS, VFSTR

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Photo Attached

Interaction on Bitter gourd Crop Management

Pod borer in bean

Observation of Bitter gourd Mosaic virus

Department of Agricultural and Horticultural Sciences
School of Agriculture and Food Technology, VFSTR, Vadlamudi

Report on field visit to Sugar Beet crop at AHS farm (LARA GREEN) VFSTR and Minutes of Meeting on the progress of Trial on Sugar beet Cultivation on 06.02.2025

The Department of Agricultural and Horticultural Sciences has initiated a field trial at AHS Farm(LARA GREEN)during Rabi 2024-25 to evaluate Two sugar beet varieties KWS Gustea and KWS Fadela in collaboration with KWS, Germany. This initiative aims to assess the performance of the above varieties in the semi-arid conditions of Andhra Pradesh.

On 6th February 2025, a team of scientists visited the trial to evaluate the field performance of the sugar beet crop. The visiting team included Dr. T. Ramesh Babu, Dean, SAFT, VFSTR, Mr. Elo West Larsen, Project Manager, KWS, Ayushman,KWS.Mr. MCV Prasad, Mr. Madireddy Pratap (IPS) .The faculty of AHS also accompanied.

Following the field visit, Mr. Elo West presented his findings during a discussion chaired by Prof. P. Nagabhushan, Vice-Chancellor of VFSTR, at the VC Conference Hall.

The following points and observations were presented

- The field visit aims to evaluate the field performance of the sugarbeet crop and explore the feasibility of post-harvest management.
- The plant population for the two evaluated Sugar beet varieties, Gustea KWS and Fadela KWS, was recorded at 33.17% and 61.58%, respectively, significantly lower than the expected 90%.
- The low germination rate was attributed to insufficient soil moisture, particularly as the seeds were sown on top of the rows.
- To address this, future cultivation should adopt raised seed beds, flat beds, or seed placement on the upper third of ridges. Gap filling should be performed using transplanted seedlings grown in Pro trays to improve plant establishment.
- Additionally, drip irrigation should be tested as a potential solution to maintain soil moisture
- Delayed sowing and soil lumpiness may have further hindered early crop establishment.
- Fadela KWS variety exhibited better adaptability to the prevailing soil and climatic conditions.
- The trial plot should be monitored weekly for further evaluation.
- Plant Population beyond 60 per cent is beneficial for good yields
- Wider spacing may be adopted for better root development to get more yield

Pest and Disease Management

- The insect pest and disease-affected samples were collected for isolation of the causal organism and for maladies
- The isolations carried out from diseased samples by the faculty of Plant Pathology discipline revealed that Fusarium sp. caused the wilting of plants and rotting of the tuber. This is noticed as a stray incidence. Advised to drench the base of the affected plants with Copper Oxy Chloride 3.0g/ l of water

- The defoliating caterpillars are found to be *Hymenia recurvalis* and *Spodoptera litura* for which remedial measures with Chlorpyrifos 2.5ml / l of water followed by Emamectin Benzoate 1.0g/l of water at week day interval after noticing the pests which crossed ETLs.

Harvesting: Trial Harvest

- Random sampling will be conducted by harvesting 10-meter sections at three different locations within the field. The process involves separating the root and shoot portions and recording their fresh weight. The first trial harvest is scheduled for 15th February, with subsequent trials at monthly intervals until 1st April.

Harvesting: Final Harvest

- The final harvest will follow the trial harvest methodology, with random sampling from 10-meter sections. Manual harvesting using available equipment is preferred for efficiency and accuracy.

Harvesting Equipment:

- The final harvest will follow the trial harvest methodology, with random sampling from 10-meter sections. Manual harvesting remains the preferred method, and the necessary equipment will be arranged accordingly.

Utilization of the Crop

- The harvested Sugar beet may be utilized for sugar, jaggery, or ethanol production. The root portion can be sliced or chopped for drying and pelletized at 12% moisture content.
- Feeding trials will be conducted with cattle, incorporating up to 25% Sugar beet in regular fodder through ensiling methods.
- A collaborative work with the Indian Institute of Chemical Technology (IICT), Hyderabad, will be explored for jaggery, ethanol, and juice processing.

Processing Infrastructure

- Due to the challenges in establishing processing units, partnerships with nearby processing facilities will be considered to ensure the efficient utilization of the harvested crop.

Economic Evaluation:

- A benefit-cost (B:C) analysis will be conducted to assess the economic viability of Sugar beet cultivation and determine its financial feasibility.

Future Research Plan:

- In the upcoming season, both sugarbeet varieties will be evaluated under six different sowing schedules at fortnightly intervals, starting from 1st September. Trials will be conducted on plots of 30 m^2 (10 m x 3 m). Additionally, an MBA specialist will be included in the team to strategize market scaling and enhance the commercialization potential of the crop.

Remarks by the Chairman, VFSTR

- Ensuring viability in sugarbeet cultivation is a key challenge and must be rigorously studied and addressed for future success.

Report on a Field visit to Vejendla village, Chebrole Mandal under Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

The following faculty members of the Department of AHS, VFSTRU conducted a diagnostic field visit on **02.03.2024** at Vejendla village, Chebrole Mandal under Village Adoption Programme. The crops Maize in dough stage and chickpea in physiological maturity stage under assured irrigation from Nambur-Guntur channel.

Team of Faculty

1. Dr. L.Geethanjali, Assistant Professor (Entomology), AHS, VFSTRU, Vadlamudi
2. Dr. Jyothi Hosamath, Assistant Professor (Horticulture), AHS, VFSTRU, Vadlamudi
3. Miss. K.Sravya, Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi

Farmers attended the visit.

1. E. Ravindra Babu 2. D. Srinivasa Rao

Observations made:

1. Observed that yellowing of chickpea due to moisture stress at maturity stage
2. Damage from birds was seen in maize
3. The farmers are using Thiophanate Methyl 70%. WP (Bulton) for management of wilt in chickpea
4. The farmer D. Srinivasa Rao has taken preventive measure of fall army worm in maize by spraying of Emamectin benzoate (Proclaim) 1g /l four times at an interval of 20 days.
5. The present price of chickpea ranges from Rs. 5200-5800 q^{-1} depending on the variety
6. The present price of maize Rs. 2000-2200 q^{-1} depending on the variety

Suggestions are given:

- Advised timely irrigation in chickpea
- IPM Practices are to be followed in order to reduce the incidence of FAW in maize

Contd…

Photos Attached

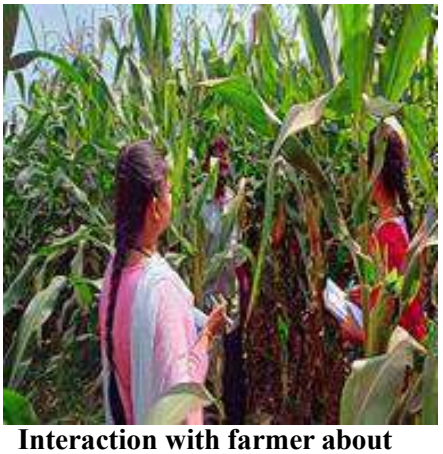
Mis K. Sravya,
Assistant Professor (Agril. Extension)
AHS, VFSTRU, Vadlamudi

Dr. Jyothi Hosamath
Assistant Professor (Horticulture),
AHS, VFSTRU, Vadlamudi

Dr. L. Geethanjali,
Assistant Professor (Entomology)
AHS,VFSTRU, Vadlamudi

Observing yellowing symptoms in chickpea

Interaction with farmers



Interaction with farmer about management of fall army worm

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be university) VADLAMUDI
DEPARTENT OF AGRICULTURAL AND HORTICULTURAL SCIENCES
VILLAGER ADOPTION PROGRAMME

Date:29.6.2024

REPORT ON VILLAGE ADOPTION PROGRAMME

A team of faculty carried out a diagnostic field visit on **29.06.2024** at Vejendla village, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi.

A team of Faculty visited

1. Dr. Harisha , Assistant Professor (Agril. Extension), AHS, VFSTRU, Vadlamudi
2. Ms. Kavya, Assistant Professor (Plant Pathology), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. S. Shankaraih 2. Appa Rao

Observations made:

1. Farmers are performing the planting of Bitter guard and cocccinia saplings
2. White flies infestation were observed in Bitter guard.
3. Weeding takes place in coccidian
4. Paddy seeds (BPT5024) procured and land prepared for nursery

Suggestions given:

- Interacted with the group of farmers and discussed the cost of saplings
- Advised seedling root dip method of biofertilizers for better initial establishment and also to protect the crop from pests and diseases.

Dr. Lingutla Geethanjali
Assistant Professor,
(Entomology) AHS,
VFSTRU, Vadlamudi

Mrs. T. Uma Maheswari
Assistant Professor
(Plant Pathology)
AHS, VFSTRU
Vadlamudi

Ms. K. Sravya
Assistant Professor
(Agril. Extension)
AHS, VFSTRU
Vadlamudi

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be university) VADLAMUDI
DEPARTENT OF AGRICULTURAL AND HORTICULTURAL SCIENCES
VILLAGER ADOPTION PROGRAMME

Date:13.7.2024

REPORT ON VILLAGE ADOPTION PROGRAMME

A two membered team of faculty carried out a field visit on **13.07.2024** at Vadlamudi village Chebrole Mandal under Village Adoption Programme of AHS, VFSTRU, Vadlamudi. Inspected the fields which are sown with paddy by Direct seeding method with seed drill. All fields were submerged with rain water due to heavy downpour from midnight of 12-07-24 continuously till morning. Suitable management recommendation to follow drainage to remove excessive water from field for better germination were advised to the farmers.

Team of Faculty visited

1. Mr. T. Kanna, Assistant Professor (Agronomy), AHS, VFSTRU, Vadlamudi
2. Mrs. N. Venkata Vyshnavi, Assistant Professor (Soil Science), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. Parthibandla Nageswara Rao
2. Reddy Venkateswara Rao
3. Suryadevara Murali
4. Syed Sydu Hussain

Observations made:

- Interacted with farmer Parthibandla Nageswara Rao who was cultivating paddy in 6 acres of land completed sowing of Paddy through direct seeding method with seed drill 1 week before. Farmer also expressed that a total of 35000 per acre was Input cost for paddy right from sowing to harvesting operations.

- Interacted with farmer Syed Sydu Hussain who had sown Paddy in his 3 acres with variety named Ghantasala 20 days before. He expressed that for sowing the cost for tractor was 1500 rupees per acre. Estimated cost for preparatory cultivation along with sowing will costs about 5000 per acre.

- Farmers available over there expressed that an estimated yield of 35 bags per acre was their output. Farmers over there were cultivating some varities like Janardhan, Nandyal and Ghantasala.

Suggestions given:

Suitable management recommendation to follow drainage to remove excessive water from field for better germination were advised to the farmers.

Interaction with farmers how the heavy down pour affected their fields

Waterlogged fields with Rain water

Report on a Field visit to Vejendla village, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi submitted to the Director, Agricultural and Horticultural Sciences, VFSTR University, Vadlamudi

A team of faculty carried out a field visit on **22.06.2024** at Vejendla village, Chebrole Mandal under the Village Adoption Programme of AHS, VFSTRU, Vadlamudi. The farmers completed the primary tillage.

A team of Faculty visited

1. Dr. Lingutla Geethanjali, Assistant Professor (Entomology), AHS, VFSTRU, Vadlamudi
2. Mrs.T. Uma Maheswari, Assistant Professor (Plant Pathology), AHS, VFSTRU, Vadlamudi
3. Ms. K. Sravya, Assistant Professor, (Agril. Extension), AHS, VFSTRU, Vadlamudi

Farmers attended the visit

1. T.Bheemaiah 2. T.Vasant Rao

Observations made:

1. Farmers are performing the planting of coccinia and bitter gourd saplings
2. Making Pendal system with bamboo sticks and stone.
3. Procuring saplings from Rajahmundry

Suggestions given:

- Interacted with the group of farmers and discussed the cost of saplings
- Advised seedling root dip method of biofertilizers for better initial establishment and also to protect the crop from pests and diseases.

Dr. Lingutla Geethanjali
Assistant Professor,
(Entomology) AHS,
VFSTRU, Vadlamudi

Mrs. T. Uma Maheswari
Assistant Professor
(Plant Pathology)
AHS, VFSTRU
Vadlamudi

Ms. K. Sravya
Assistant Professor
(Agril. Extension)
AHS, VFSTRU
Vadlamudi

VIGNAN INSTITUTE OF AGRICULTURE AND TECHNOLOGY

REPORT ON RYTU SADASSU AND EXHIBITION **30.10.2024**

Final-year B.Sc. (Hons.) Agriculture students organized the "Rythusadassu and Exhibition" on October 30, 2024, as part of their Rural Awareness Work Experience Program (RAWE) in Kollipara village, Tenali Division, Guntur District. This event, aimed at bridging the gap between agricultural science and rural practice, was graced by the Chief Guest, Sri N. Venkateswarlu, District Agriculture Officer, Guntur. Other distinguished attendees included Prof. P.M.V. Rao, Dean of AAA and Acting Registrar of VFSTRU, who presided over the event; Guest of Honors Prof. D. Vijayaramu, Dean of PCF, VFSTRU, and Prof. T. Ramesh Babu, Dean of SAFT; along with Honored Guests Smt. N. Usha Rani, Assistant Director of Agriculture for the Tenali Division, and Sri K. Venkata Ramu, Mandal Agriculture Officer, Kollipara. All 39 participating students, accompanied by 85 farmers, showcased an impressive array of agricultural models, specimens, posters, and charts to introduce advanced scientific technologies to the local farming community. The event facilitated meaningful exchanges between students and farmers, promoting practical solutions for modern agricultural challenges.

Outcome:

For farmers, the event provided valuable insights into innovative agricultural techniques and strategies for enhancing productivity. Students benefited from the direct feedback and questions posed by farmers, enhancing their communication skills and deepening their understanding of rural agricultural needs. The Rythu Sadassu and Exhibition successfully fostered a collaborative learning environment, empowering both farmers and students with knowledge and motivation for sustainable agricultural practices.

Prof. PMV Rao (Dean, AAA, and i/c Registrar, VFSTRU), Prof. D. Vijayaramu (Dean, PCF, VFSTRU), Prof. T. Ramesh Babu (Dean, SAFT) witnessing Agricultural exhibition

Chief Guest Sri. N. Venkateswarlu, District Agriculture Officer, Guntur addressed farmers and students on the occasion of Rytu Sadassu and Exhibition

VIGNAN INSTITUTE OF AGRICULTURE AND TECHNOLOGY

Report on Sankranti Sambaralu 2024

Date: 4th January 2024
Venue: Convocation Hall, VFSTR (Deemed to be University), Vadlamudi

The **Sankranti Sambaralu 2024** celebrations at **Vignan's Foundation for Science, Technology & Research (VFSTR)** on **4th January 2024** marked a grand occasion dedicated to honoring **the backbone of India – its farmers**. The event was jointly organized by **VFSTR University**, the **Rythu Nestham Foundation**, and the **Vignan Institute of Agriculture and Technology (VIAT)**. The celebration sought to showcase the **spirit of Sankranti** while highlighting the **contributions of farmers** and **advancements in agricultural innovation**.

Cultural and Ceremonial Highlights

The event commenced with a vibrant **Kolatam performance**, followed by a **classical dance** presented by students of the VIAT. The **ceremonial lighting of the lamp** by dignitaries, accompanied by the **Vignan theme song**, set a graceful tone for the proceedings.

Delivering the welcome address, **Dr. T. Ramesh Babu**, Dean VIAT, expressed pride in organizing the celebration and emphasized that **agriculture forms the foundation of India's heritage**. He reflected on the department's journey since its inception in **2000**, led by **Dr. Lavu Rattaiah**, Chairman of the Vignan Group, and **Hon. Member of Parliament Sri Lavu Srikrishna**, noting, *"Our farmers are our heritage. This department works tirelessly to make agriculture sustainable and profitable, especially for small-scale farmers."*

Farmers at the Heart of the Celebration

Padma Shri Awardee Sri Y. Venkateswara Rao, Chairman of the **Rythu Nestham Foundation**, praised the initiative as a **pioneering effort** in honoring **250 farmer families** from Andhra Pradesh and Telangana. He commended the organizers for recognizing the innovation and dedication of farmers and extended gratitude to the **Chief Guest, Sri Kinjarapu Atchannaidu**, Hon'ble **Minister for Agriculture, Co-operation & Marketing, Government of Andhra Pradesh**, for his steadfast commitment to farmer welfare.

Sri Lavu Srikrishnadevarayalu, Member of Parliament (Loksabha) and and Vice-Chairman of the Vignan Group of Institutions, emphasized the need for integrating farmers into academic and cultural platforms. He stated, *"We cannot remain isolated as an institution. Our role is to influence and involve society, especially farmers, who form the core of our existence. Events like these bring together people from all walks of life to celebrate and learn from the farming community."*

Challenges and Innovations in Agriculture

In his thought-provoking address, **Dr. Lavu Rattaiah**, Chancellor of VFSTR, discussed the challenges of organic farming and the need for innovation in **fertilizer and pesticide development** to make natural farming more practical. He urged the development of **effective, affordable, and efficient alternatives** to chemical inputs and emphasized the integration of **mechanization, IoT, and artificial intelligence** in agriculture. He envisioned a future where *"farmers receive real-time alerts on pest attacks or soil health directly on their smartphones,"* inspiring students and researchers to drive such innovations.

The **Chief Guest, Sri Kinjarapu Atchannaidu**, highlighted the urgent need to rekindle youth interest in farming through **mechanization, soil testing, and modern technologies**. Drawing an analogy, he said, *"Just as a healthy person undergoes regular medical check-ups, our soil too must be tested regularly to ensure its fertility and productivity."*

Felicitation and Recognition

The celebration concluded with the **felicitation of the Chief Guest** and **50 exemplary farmers** from Andhra Pradesh and Telangana. The honourees were recognized for their **innovation, resilience, and contributions to sustainable agriculture**. Dignitaries encouraged the farmers to share their insights with students, fostering intergenerational knowledge exchange.

A Vision for the Future

The **Sankranti Sambaralu 2024** celebrations at Vignan University successfully blended **tradition, innovation, and gratitude**. The event underscored the university's commitment to **sustainable agriculture, technological integration, and farmer empowerment**. By bridging the gap between **academia and agriculture**, **VFSTR continues to play a transformative role** in shaping the future of Indian farming and celebrating those who sustain the nation.

Vignan's Foundation for Science, Technology and Research
(*Deemed to be University*), Vadlamudi, Guntur, Andhra Pradesh

Department of Agricultural and Horticultural Sciences

Report on Rural Awareness Work Experience (RAWE) Programme

About Programme

The Department of Agricultural and Horticultural Sciences at VFSTR, Vadlamudi, has launched the Student READY (Rural Entrepreneurship Awareness Development Yojana) program for final-year B.Sc. (Hons) Agriculture students in the first semester of the 2024-25 academic year. This program is designed to cultivate rural entrepreneurship awareness and provide students with hands-on experience in real-world rural agricultural settings. It aims to deepen undergraduate students' understanding of practical agriculture and allied sciences through the following components:

1. Rural Awareness Work Experience (RAWE)
2. Internship / In-Plant Training / Industrial attachment
3. Experiential Learning programme

I. Rural Awareness Work Experience (RAWE)

The Department of Agricultural and Horticultural Sciences at VFSTR, Vadlamudi, has launched the Rural Awareness Work Experience (RAWE) under Student READY (Rural Entrepreneurship Awareness Development Yojana) program for final-year B.Sc. (Hons) Agriculture students in the first semester of the 2024-25 academic year. The programme was commenced on 3.8.2024 and ended on 9.11.2024.

The objective of the RAWE (Rural Awareness Work Experience) program is to provide students with hands-on agricultural experience in rural settings, fostering practical skills, community engagement, and cultural understanding. By bridging theory and practice, RAWE enhances students' abilities to address agricultural challenges, apply innovative solutions, and inspire rural entrepreneurship.

In the current semester, 39 students participated in the RAWEP program across five villages in four mandals of Guntur district (Kollipara, Chebrolu, Tenali, and Mangalagiri). The villages included Kollipara (8 students), Vallabhapuram (10 students), Kolakaluru (7 students), Vejendla (6 students), and Peddavadlapudi (8 students). The students were engaged in the program for a duration of 14 weeks.

STUDENTS ALLOTMENT DETAILS FOR RAWEP, I SEMESTER, 2024-25

S. No	Village	ID No.	Student	Gender	Director representative
1.	Vallabapuramu	211FW01001	YADLAPALLI SRIHITHA	F	**Dr. M. Anusha,** Assistant Professor (Veterinary), AHS
2.		211FW01004	AZMEERA SYED	F	
3.		211FW01012	VANUKURU TEJA SREE	F	
4.		211FW01013	SAILA KAVYA SRI	F	
5.		211FW01014	A MADHU LATHA	F	
6.		211FW01017	MONAPATI LOKESWARI	F	
7.		211FW01022	B. V SIVA MANI KAVYA	F	
8.		211FW01027	BATTULA NAKSHATRA	F	
9.		211FW01028	SHAIK ZAVERIA	F	
10.		211FW01030	LANKA HEMA	F	
11.	Vejendla	211FW01036	TANISHKA NAGANDLA	F	**Ms. N.Kavya,** Assistant Professor (Plant Pathology), AHS
12.		211FW01051	VEMPARALA NAVYA SRI	F	
13.		211FW01077	JASTI ROOPA SREE	F	
14.		211FW01078	T BINDU SRIVANI	F	
15.		211FW01080	MUCHU JAYANTHI	F	
16.		211FW01087	NAKKINA JAHNAVI	F	
17.	Kollipara	211FW01034	RAVURI PRASANNA	F	**Ms. K. Sravya,** Assistant Professor (Agril. Extension), AHS
18.		211FW01037	PRATHIPATI LAVANYA	F	
19.		211FW01039	YEMINENI JYOTHSNA	F	
20.		211FW01041	THINNELAPUDI HARIKA	F	
21.		211FW01044	T RATNA KUMARI	F	
22.		211FW01045	G VENKATAANU SARAYU	F	
23.		211FW01046	DASARI TRIBHUVANA	F	
24.		211FW01048	YENIREDDY USHARANI	F	
25.	Peddavadlapudi	211FW01085	Y MAHALAKSHMI	F	
26.		211FW01088	ENDURU MANASA	F	**Ms. N.V Vyshnavi,** Assistant Professor (SS&AC), AHS
27.		211FW01089	K MARY	F	
28.		211FW01090	C E THIRUMALA VARSHINI	F	
29.		211FW01092	CHIRRA NEELIMA	F	
30.		211FW01094	P HARSHITHA	F	
31.		211FW01097	DEVARA BHARGAVI	F	
32.		211FW01098	RAJULAPATI CHUNALINI	F	
33.	Kolakaluru	211FW01006	K V SATYA KUSHYANTH	M	**Dr. B. Srinivasulu,** Assistant Professor (Horticulture), AHS
34.		211FW01007	K SUHAS PAUL	M	
35.		211FW01011	A V RAMANJANEYULU	M	
36.		211FW01015	THOTA UDHAYA RAJU	M	
37.		211FW01021	B PREM KUMAR	M	
38.		211FW01023	DASARI ESWAR TEJA	M	
39.		211FW01026	SADHU SAI KUMAR	M	

Activities done by the students:

Crop production

1. Follow and work with the host farmers in day-to-day operations
2. Make critical observations and ascertain the reasons for non-adoption of recommended package of practices for the crops of the host farmer.
3. Prepare a calendar of operations for the entire crop season during the semester
4. Record agronomic problems confronted by the host farmer
5. Identify the causes for yield gap between normal and actual yields
6. Record biometrical observations for minimum of two crops.
7. Record meteorological data of the crop season.

Crop Protection

1. Identify insect pests, diseases, nutritional disorders, weeds, and physiological disorders in crops.
2. Observe and assess the adoption of recommended plant protection measures.
3. Record observations separately for pests and diseases.
4. Demonstrate preparation of fungicidal and insecticidal spray solutions.
5. Submit 10 herbarium specimens each for insect damage, disease symptoms, nutritional disorders, weeds, and physiological disorders from local crops.
6. Collect information on insecticides, fungicides, and herbicides from local dealers.
7. Gather information on obtaining a government license to market pesticides.

Rural Economics

1. Agro-economic Survey
2. Farm Holding Survey
3. Preparation of alternate farm plans

Extension Programme

1. Identify village problems using Participatory Rural Appraisal (PRA) techniques.
2. Conduct gap analysis and develop an action plan for participatory extension teaching methods.
3. Organize activities such as method demonstrations, group discussions, and Rythu Sadassu.
4. Maintain an agricultural information corner in the village.
5. Study and critically analyze public and private agricultural extension information sources.
6. Assess farmers' training needs (TNA) and conduct training programs.
7. Document Indigenous Technical Knowledge (ITK) and farm innovations.
8. Study farmers' groups and Self-Help Groups (SHGs) in the village.
9. Document a success story of a farmer or entrepreneur and create a short video film.

5. Research Station / KVK / DAATT Center Activities

The students were provided with an opportunity to familiarize themselves with various research activities and programs of the Research Station, KVK, or DAATTC in their respective areas, as well as the Agro Climatic zone in which these centers are located. They were introduced to the principles and methodologies involved in conducting different types of experiments and trials, collecting and analyzing experimental data, and maintaining farm records. Under the guidance of Scientists, Program Coordinators, and Coordinators of the respective centers, the students observed closely various aspects of research programs and activities.

Glimpses of RAWE Programme

I. CROP PRODUCTION

Students participated in cultural operations through tractor

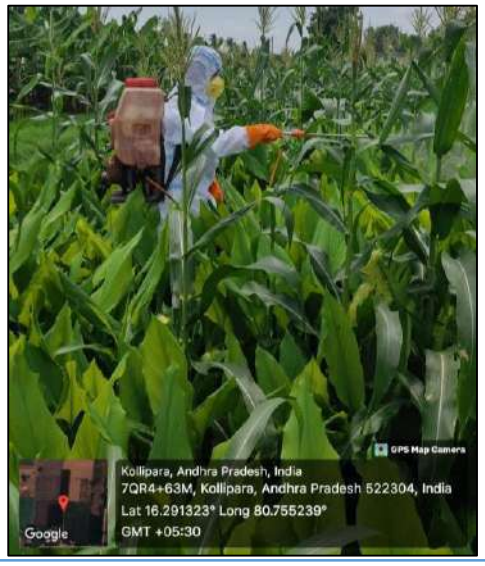
Students participated in paddy transplantation

Students participated in fertilizer application in Turmeric crop

Students engaged in enumeration of Biometric observations

II. CROP PROTECTION

Students participated in Pheromone trap installation



Plant Protection Chemicals spraying done by students in Maize crop

Leaf folder *(Cnaphalocrosis medinalis)* pest in Rice

Skipper in Turmeric

Tobacco Caterpillar (*Spodoptera litura*)

RURAL ECONOMICS

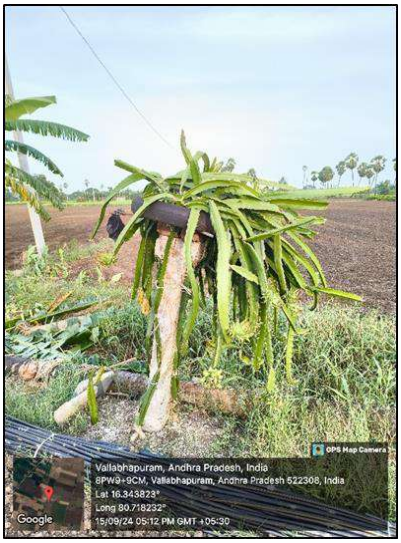
Farm holding Survey by Students

Students visited and interacted with Chaitanya Godavari Bank officials in Vallabapuramu

EXTENSION PROGRAMME

Participatory Rural Appraisal techniques done by Students

Social Map of Vallabapuramu



Indigenous Technical Knowledge documented

Students organized Group Discussion for farmers on 'Soil Pollution'

Information Corner

Students organized method demonstration on Rodent Management

Students organized method demonstration on 'Safety measures during Pesticide Spraying' for farmers.

Students interacted with Self Help Groups members

Students visited to Zilla Parishad High School to create awareness on Agriculture Education

RYTU SADASSU AND EXHIBITION

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Chief Guest Sri. N. Venkateswarlu, District Agriculture Officer, Guntur addressed farmers and students on the occasion of *Rytu Sadassu* and Exhibition

President of event, Prof. PMV Rao, Dean, AAA, and i/c Registrar, VFSTR, addressed farmers and students on the occasion of *Rytu Sadassu* and Exhibition

Sri N. Kutumaba Reedy, Chairman Shreshta FPC, Kollipra felicitated by the VFSTR officials.

RESEARCH ACTIVITES

RAWEP students were undergone an exposure visit to **Regional Agricultural Research Station, Lam, Guntur on 19th October, 2024** to get hands-on exposure to the ongoing research activities at your esteemed station, which will greatly enhance their learning experience and deepen their understanding of agricultural research and its practical applications in the field.

RAWEP Students visited to RARS, Lam Guntur on 19.10.2024.

DELEGATES VISITS TO RAWEP VILLAGES

Former DGP Engages with RAWE Village Experience

On 14th September 2024, Dr. M. Malakondaiah, former Director General of Police (IPS), visited Kollipara village as part of the RAWE program. He reviewed students' records and photos, commending their dedication to rural agricultural development. His interaction with farmers highlighted the RAWE program's positive impact on students and the local community, fostering strong connections and mutual learning. The visit underscored the program's role in preparing students for real-world agricultural challenges.

Dr.M.Malakondaiah, Ex DGP (I.P.S) and Prof. T. Ramesh Babu, Director, AHS, visited farmers field in Kollipara village

Dr.M.Malakondaiah, Ex DGP (I.P.S) and Prof. T. Ramesh Babu, Director, AHS, reviewed RAWE programme in Kollipara village

Vignan's VC glance with RAWEP students

Dr. P. Nagabhushan, Vice Chancellor of VFSTR, Vadlamudi, visited the RAWE villages of Kollipara and Vallabhapuram on 25th October 2024. He expressed appreciation for the students' efforts and the positive response from farmers during the RAWEP program, commending the students for their dedication and commitment.

RAWE Students elucidated their activities to Colon. Professor P. Nagabhushan, Vice chancellor, VFSTR and

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NAARM DIRECTOR'S POSITIVE IMPRESSION ON RAWEP STUDENTS

Dr. Ch. Srinivas Rao, Director of NAARM, Hyderabad, visited Vejendla village on 23.10.2024 and interacted with RAWE students and farmers. He discussed agricultural practices, shared insights on modern farming techniques, and emphasized the importance of technology adoption to boost productivity. The visit created a collaborative learning environment, where students gained practical knowledge, and farmers received expert guidance on improving agricultural practices for sustainable growth and enhanced productivity.

Dr. Ch. Srinivas Rao, Director of NAARM, Hyderabad and Prof. T. Ramesh Babu, Director, AHS interacted with RAWE students and host farmers during the Vejendla visit

OUTCOME OF THE RAWE PROGRMME

The RAWE (Rural Awareness Work Experience) programme equipped students with essential skills and practical knowledge for careers in agriculture. Through rural experiences, students gained a deeper understanding of agricultural practices, resource management, and community needs, enhancing problem-solving, adaptability, and resilience. The program fostered entrepreneurial thinking and innovative solutions for sustainable agriculture. Interacting with farmers helped students develop communication and interpersonal skills, connecting them with rural communities and understanding socio-economic factors. RAWE graduates are prepared for diverse career paths in consultancy, research, entrepreneurship, and policy-making, committed to advancing rural development and sustainable agricultural practices.

NEWS CLIPPINGS

SAKSHI, 13 SEPTEMBER, 2024

వర్షపు నీటిని వెంటనే బయటకు పంపించాలి

● విజ్ఞాన్ వ్యవసాయ కళాశాల అసిస్టెంట్ ప్రొఫెసర్ శ్రావ్య

పసుపులో తీసుకోవాల్సిన జాగ్రత్తలు గురించి వివరిస్తున్న విజ్ఞాన్ వ్యవసాయ కళాశాల అసిస్టెంట్ ప్రొఫెసర్ శ్రావ్య

కొల్లిపర, సెప్టెంబరు 13: వర్షపు నీరు పసుపు, అరటి తోటల్లో నిల్వ ఉండటం వలన తెగుళ్లు వచ్చే అవకాశం ఉందని విజ్ఞాన్ విశ్వవిద్యాలయం వ్యవసాయ కళాశాల అసిస్టెంట్ ప్రొఫెసర్ కనకాల శ్రావ్య అన్నారు. శుక్రవారం మండల పరిధిలోని వల్లభాపురం, మున్నంగి, కొల్లిపర గ్రామాల్లో విజ్ఞాన్ విశ్వవిద్యాలయం వ్యవసాయ కళాశాల అసిస్టెంట్ ప్రొఫెసర్ శ్రావ్య, విజ్ఞాన్ యూనివర్సిటీ విద్యార్థులు పసుపు, అరటి పంటలను పరిశీలించి రైతులు తీసుకోవాల్సిన జాగ్రత్తల గురించి వివరించారు. ఈ సందర్భంగా శ్రావ్య మాట్లాడుతూ వర్షపునీరు ఎక్కువ రోజులు ఉంటే నూళ్ళధాతు లోపం వచ్చే అవకాశం ఉందన్నారు. వాణిజ్య పంటల్లో నిల్వ ఉన్న వర్షపు నీటిని వెంటనే బయటకు పంపించాలన్నారు.

కార్యక్రమంలో రైతులు నెర్ల కుటుంబరెడ్డి, బొంతు కోటిరెడ్డి, వయ్యూరు సాంబిరెడ్డి, నెర్ల విజేంద్రరెడ్డి, వయ్యూరు నాగిరెడ్డి తదితరులు పాల్గొన్నారు.

వార్త

సేంద్రియ వ్యవసాయంతో నాణ్యమైన దిగుబడులు

- విజ్ఞాన్ యూనివర్సిటీ వంశోదారుడు డాక్టర్ మాలకొండయ్య

కొల్లిపర,సెప్టెంబరు 14 ప్రభాతవార్త: రైతులు రసాయనిక ఎరువులు వాడకం తగ్గించుకోవటం మంచిదని మాజీ డీజీపీ,విజ్ఞాన్ యూనివర్సిటీ సలహాదారుడు మాలకొండయ్య అన్నారు.శనివారం మండల కేంద్రం కొల్లిపరలో విశ్వవిద్యాలయం వ్యవసాయ కళాశాల అసిస్టెంట్ ప్రొఫెసర్స్ కె.హరీషా,కనకాల శ్రావ్య,శాస్త్రవేత్త డాక్టర్ టి.రమేష్‌బాబు,విజ్ఞాన్ యూనివర్సిటీ విద్యార్థులు లతో కలసి ఆయన పసుపులో వేసిన అంతర పంటలైన అరటి,కంద పంటలను పరిశీలించి రైతులకు

తీసుకోవలసిన జాగ్రత్తలు గురించి తగిన సూచనలు,సలహాలు ఇచ్చారు.ఈ సందర్భంగా డాక్టర్ మాలకొండయ్య మాట్లాడుతూ రైతులు సేంద్రియ వ్యవసాయ పద్ధతి ద్వారా పంటలు పండిస్తే నాణ్యమైన దిగుబడులు సాధించవచ్చన్నారు.కార్యక్రమంలో కార్యక్రమంలో రైతులు నెర్ల కుటుంబరెడ్డి,బొంతు కోటిరెడ్డి,వయ్యూరు సాంబిరెడ్డి,నెర్ల విజేంద్రరెడ్డి,వయ్యూరు నాగిరెడ్డి తదితరులు పాల్గొన్నారు

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ప్రతి గ్రామంలో రైతు ఉత్పత్తిదారుల సంఘాలు అవసరం

విశ్రాంత ఐపీఎస్ అధికారి, మాజీ డీజీపీ మాలకొండయ్య

కొల్లిపరలో పంటపాలంలో గల సాయిల్ సెన్సార్ వద్ద మాజీ డీజీపీ మాలకొండయ్య

తెనాలి: ప్రతి గ్రామంలోనూ రైతులు కలిసి రైతు ఉత్పత్తిదారుల సంఘాలను ఏర్పాటుచేసుకుని ముందుకు వెళ్లాలని విశ్రాంత ఐపీఎస్ అధికారి, మాజీ డీజీపీ మాలకొండయ్య సూచించారు. మండల కేంద్రం కొల్లిపరలోని శ్రేష్ఠ రైతు ఉత్పత్తిదారుల సంఘాన్ని ఆయన శనివారం సందర్శించారు. ప్రభుత్వ సహకారంతో నిర్మించుకున్న కలెక్షన్ సెంటర్, కోల్డ్ రూమ్, సోలార్ డ్రైయ్యర్, ప్రాసెసింగ్, ప్యాకింగ్ యూనిట్లను పరిశీలించారు. జర్మనీ సంస్థ 'న్యూ ఐరా' తోడ్పాటుతో పంటపొలాల్లో భూమి ఆరోగ్య పరిశీలనకు ఏర్పాటుచేసుకుని సాయిల్ సెన్సర్లను చూశారు. సెన్సర్ పనితీరును స్వయంగా పరిశీలించారు. ప్రకృతి విధానంలో సాగుచేస్తున్న పంటలను గురించి తెలుసుకున్నారు. అనంతరం కలెక్షన్ సెంటరులో ఏర్పాటైన సభలో రైతుల నుద్దేశించి మాట్లాడారు. రైతులు సంఘటితంగా వ్యవసాయం చేస్తే బహుళ ప్రయోజనాలు ఉంటాయన్నారు. శ్రేష్ఠ రైతు ఉత్పత్తిదారుల సంఘం మాదిన బాటలో అన్ని గ్రామాల్లోనూ రైతులు సంఘాలుగా ఏర్పాటయితే బాగుంటుందన్నారు. సంఘం ఆధ్వర్యంలో గుడ్ అగ్రికల్చర్ ప్రాక్టీస్ (జీఏపీ), ఆర్గానిక్ సర్టిఫికెట్లను రైతులకు అందజేస్తుండటం శుభపరిణామంగా చెప్పారు.

కార్యక్రమంలో విజ్ఞాన్ యూనివర్సిటీ అగ్రికల్చర్ కాలేజీ డీన్ డాక్టర్ తాళ్లినేని రమేష్‌బాబు, అసిస్టెంట్ డీన్ వై.వరప్రసాద్, అసిస్టెంట్ ప్రొఫెసర్ కె.హరిష తదితరులు మాట్లాడారు. శ్రేష్ఠ సంఘం రైతు కర్షు నెర్ల కుటుంబరెడ్డి, దొంతిరెడ్డి శ్రీనివాసరెడ్డి, బొంతు గోపాలరెడ్డి, వయ్యూరు సాంబిరెడ్డి, రైతులు పాల్గొన్నారు.

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రైతు ఉత్పత్తిదారుల సంఘాలతో మేలు

విజ్ఞాన్ విశ్వవిద్యాలయం ఉప కులపతి ప్రొఫెసర్ నాగభూషణం

ఆధునిక విధానంలో పండిస్తున్న పంటను పరిశీలిస్తున్న డాక్టర్ నాగభూషణం

తెనాలి: రైతు ఉత్పత్తిదారుల సంఘాలతో ఎంతో ప్రయోజనమని పడ్లమూడిలోని విజ్ఞాన్ విశ్వవిద్యాలయం ఉప కులపతి ప్రొఫెసర్ పి.నాగభూషణం అభిప్రాయపడ్డారు. కొల్లిపరలోని శ్రేష్ఠ రైతు ఉత్పత్తిదారుల సంఘాన్ని శుక్రవారం ఆయన తన బృందంతో కలిసి సందర్శించారు. సంఘ కలెక్షన్ సెంటర్‌ను కోల్డ్ స్టోరేజిని, వంటపొలాల్లో భూసారం తెలుసుకునేందుకు వినియోగిస్తున్న ఆధునిక పరికరాలను పరిశీలించారు. రైతు ఉత్పత్తిదారుల సంఘం పనితీరును, రైతుల అభిప్రాయాలను అడిగి తెలుసుకున్నారు. సమష్టిగా అమలుచేస్తున్న వ్యవసాయ విధానాలు, ఆధునిక సాంకేతిక విజ్ఞానాన్ని ఉపయోగిస్తున్న తీరును ఆయన అభినందించారు. వీరితో విజ్ఞాన్ విశ్వవిద్యాలయం స్కూల్ ఆఫ్ అగ్రికల్చర్ అండ్ ఫుడ్ టెక్నాలజీ డీన్ డాక్టర్ టి.రమేష్ బాబు, వ్యవసాయ, ఉద్యాన శాస్త్రాల విభాగం సమన్వయకర్త డాక్టర్ టి.నరేష్ పాల్గొన్నారు.

సాక్షి

ప్రకృతి వ్యవసాయం ఆరోగ్యకరం

వల్లభాపురం(కొల్లిపర): రైతులు ప్రకృతి సేద్యం ద్వారా పండిస్తే, తక్కువ పెట్టుబడితో పాటు అధిక దిగుబడులు సాధించటమే కాకుండా ఆహార ధాన్యాలు ఎంతో ఆరోగ్యకరంగా ఉంటాయని వడ్ల మూడి విజ్ఞాన్ విశ్వవిద్యాలయం విద్యార్థినులు రైతులకు వివరించారు. వ్యవసాయ, ఉద్యాన విజ్ఞాన విభాగం ద్వారా 2024-25 గ్రామీణ అవ గాహన అనుభవ కార్యక్రమంలో భాగంగా విజ్ఞాన్ విశ్వవిద్యాలయం విద్యార్థులు మంగళవారం మం డలంలోని వల్లభాపురంలోని రైతులకు మొక్కల పెంపకానికి సహజ పద్ధతులు, ధ్రువ జీవామృతం తయారీ ప్రదర్శన నిర్వహించారు. ఈ సందర్భం గా విద్యార్థినులు మాట్లాడుతూ ప్రకృతి వ్యవ సాయం ద్వారా పంట సాగు చేయడం వలన రసా యనాల వాడకం ఉండదని చెప్పారు. జీవామృతం కషాయాంపై రైతులు ప్రత్యేక శ్రద్ధ పెట్టాలని సూచించారు. వివిధ పంటలో చీడపీడల నివార ణకు జీవామృతం వినియోగించాలని సూచిం చారు. ధ్రువ జీవామృతం పంటల్లో జీవన ఎరు వుగా వాడాలని చెప్పారు. జీవామృతాన్ని పాలు,

జీవామృతం తయారీపై రైతులకు వివరిస్తున్న విద్యార్థులు

పెరుగు, వేరుశనగ, గోవు మూత్రం వంటి సహజ పదార్థాలతో రైతులు తమ ఇంటి వద్దనే ఏ విధం గా తయారు చేసుకోవాలని అన్న విషయాలను ప్రయోగాత్మకంగా వివరించారు. కార్యక్రమంలో విజ్ఞాన్ విశ్వవిద్యాలయం 4వ సంవత్సరం విద్యా ర్థినులు ఎస్.కావ్య శ్రీ, బీవీఎస్ కావ్య, బి.నక్షత్ర, ఎ.మధులత, ఎం.లోకేశ్వరి, వై.శ్రీహిత, ఆజ్మీరా, జమేరియా, ఎల్.హేమ, వి.తేజశ్రీ, రైతులు అద్దం కి వెంకటరమణ, నాగిరెడ్డి, రాజశేఖర్‌రెడ్డి పాల్గొన్నారు.

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ఆంధ్ర జ్యోతి

పాడి, పంటల్లో లోపిస్తున్న సమతుల్యం

● జిల్లా వ్యవసాయాధికారి వెంకటేశ్వర్లు

కొల్లిపర, అక్టోబరు 31 (ఆంధ్రజ్యోతి): పాడి, పంటల్లో సమతుల్యం లోపిస్తున్నదని, పూర్వం పాడి, పంట సమానంగా ఉండేదని, ఇప్పుడు ఆ పరిస్థితి కనిపించడం లేదని జిల్లా వ్యవసాయాధికారి నున్న వెంకటేశ్వర్లు అన్నారు.

రైతు సదస్సులో మాట్లాడుతున్న జిల్లా వ్యవసాయాధికారి వెంకటేశ్వర్లు

బుధవారం మండల కేంద్రం కొల్లిపర ఆరిమండ వారి కళ్యాణ మండపంలో విజ్ఞాన్స్ వ్యవసాయ, ఉద్యాన శాస్త్రాల విభాగం ఆధ్వర్యంలో నిర్వహించిన రైతు సదస్సును ఆయన వ్యవసాయ శాఖాధికారులతో కలిసి జ్యోతి ప్రజ్వలన చేసి ప్రారంభించారు. తొలుత విజ్ఞాన్ విద్యార్థులు వ్యవసాయ ప్రదర్శన నిర్వహించడంతో పలువురు రైతులను ఆకట్టుకున్నారు. విజ్ఞాన్స్ విశ్వవిద్యాలయం డీన్ డాక్టర్ ఎంవీ రావు ఆధ్వర్యంలో జరిగిన సదస్సులో వెంకటేశ్వర్లు మాట్లాడుతూ రైతులు పాడి పరిశ్రమపై శ్రద్ధ చూపకపోవడంతో పశువులు రానురాను అంతరించిపోతున్నాయన్నారు. దీంతో వ్యవసాయ రంగానికి నష్టం జరిగిందన్నారు. గతంలో పశువుల ఎరువును భూమికి అందించడంతో రైతులు నాణ్యమైన ఉత్పత్తులు సాధించేవారన్నారు. రైతులు రసాయనిక ఎరువులను విచ్చలవిడిగా వాడటం వలన భూమి స్థితి పూర్తిగా దెబ్బతిందన్నారు. రైతులు భూమి ఆరోగ్యాన్ని కాపాడాలన్నారు. కేంద్ర, రాష్ట్ర ప్రభుత్వాలు రైతులకు అండగా ఉండి భూసారాన్ని పెంచడానికి తమ వంతు కృషి చేస్తున్నట్లు తెలిపారు. సహాయ వ్యవసాయ సంచాలకులు ఎన్.ఉషారాణి మాట్లాడుతూ రైతులను నూతన పరిజ్ఞానాన్ని అవలంభించడం ద్వారా నాణ్యమైన ఉత్పత్తులతో పాటు అధిక దిగుబడులు సాధించడానికి అవకాశం ఉందన్నారు. కార్యక్రమంలో సర్పంచ్ పిల్లి రాధిక, విజ్ఞాన్ విశ్వవిద్యాలయం అధికారులు డాక్టర్ విజయ రాము, డాక్టర్ తాతినేని రమేష్‌బాబు, డాక్టర్ టి.నరేష్, డాక్టర్ హరీష్, డాక్టర్ అనూష, మండల వ్యవసాయాధికారి వెంకట్రావు, శ్రేష్ఠ రైతు ఉత్పత్తిదారుల సంఘం ఛైర్మన్ నెర్ల కుటుంబరెడ్డి పాల్గొన్నారు.

రసాయన ఎరువులు వాడకం తగ్గించండి సేంద్రీయ ఎరువులు వాడకం పెంచండి

వార్త -జిల్లా వ్యవసాయ అధికారి నున్న వెంకటేశ్వర్లు

కొల్లిపర, అక్టోబరు 30 (ప్రభాతవార్త) : రైతులు రసాయనిక ఎరువులు వాడకం తగ్గించి సేంద్రీయ ఎరువుల వాడకంపై ప్రత్యేక దృష్టి పెట్టాలని జిల్లా వ్యవసాయ అధికారి నున్న వెంకటేశ్వర్లు అన్నారు. బుధవారం మండల కేంద్రం కొల్లిపర ఆరిమండల వారి కళ్యాణ మండపంలో విజ్ఞాన్స్ వ్యవసాయ మరియు ఉద్యాన శాస్త్రల విభాగాల ఆధ్వర్యంలో నిర్వహించిన రైతు సదస్సును ఆయన వ్యవసాయ అధికారితో కలసి జ్యోతి ప్రజ్వలన చేసి ప్రారంభించారు. తొలుత విజ్ఞాన్ విద్యార్థులు వ్యవసాయ ప్రదర్శన నిర్వహించడంతో పలువురు రైతులను

ఆకట్టుకున్నారు. విజ్ఞాన్ విశ్వవిద్యాలయం డీన్ డాక్టర్ ఎం.వి.రావు అధ్యక్షతన జరిగిన సదస్సు లో వెంకటేశ్వర్లు మాట్లాడుతూ రైతులు పాడిపరిశ్రమ పట్ల శ్రద్ధ చూపకపోవడంతో రానురాను పశువులు అంతరించిపోతున్నాయని దీంతో వ్యవసాయ రంగానికి నష్టం జరిగిందన్నారు. పూర్వం పాడిపంట సమానంగా ఉండేదని ఇప్పుడు ఆ పరిస్థితి కనిపించడం లేదన్నారు. గతంలో పశువుల ఎరువును భూమికి అందించడంతో రైతులు నాణ్యమైన ఉత్పత్తులు సాధించేవారని చెప్పారు. రైతులు రసాయనిక ఎరువులు విచ్చల విడిగా వాడటం వల్ల భూమియొక్క స్థితి పూర్తిగా దెబ్బతింటుందన్నారు. రైతులు భూమి యొక్క ఆరోగ్యాన్ని కాపాడాలన్నారు. కేంద్ర, రాష్ట్ర ప్రభుత్వాలు రైతులకు అండగా ఉండి భూసారాన్ని పెంచడానికి తమ వంతు కృషి చేస్తున్నట్లు తెలిపారు. సహాయ వ్యవసాయ సంచాలకులు ఎన్.ఉషారాణి మాట్లాడుతూ రైతులను నూతన పరిజ్ఞానాన్ని అవలంభించడం ద్వారా నాణ్యమైన ఉత్పత్తులతో పాటు అధిక దిగుబడులు సాధించడానికి అవకాశం ఉందన్నారు. కార్యక్రమంలో సర్పంచ్ వల్లి రాధిక, విజ్ఞాన్ విశ్వవిద్యాలయం అధికారులు డాక్టర్ విజయరాము, డాక్టర్ తాతినేని రమేష్‌బాబు, డాక్టర్ టి.నరేష్, డాక్టర్ హరీష్, డాక్టర్ అనూష, మండల వ్యవసాయాధికారి వెంకట్రావు, శ్రేష్ఠ రైతు ఉత్పత్తి దారుల సంఘం ఛైర్మన్ నెర్ల కుటుంబరెడ్డి, తదితరులు పాల్గొన్నారు.

2.5.3. University Access to Local Farmers and Food Producers

Objective

VFSTR (Deemed to be University) extends its research and infrastructure facilities to local farmers and food producers with the goal of enhancing sustainable agricultural practices, promoting innovation, and improving livelihood security. Through collaborative engagement, the University enables farmers to access its laboratories, nurseries, models, and technological innovations that contribute to the development of climate-resilient and eco-friendly farming systems.

1. Hi-Tech Nursery – Production of Quality Planting Material

The Hi-Tech Nursery at VFSTR serves as a model unit for large-scale production of high-quality seedlings and grafts of horticultural and forestry species. Equipped with mist chambers, shade nets, and polyhouses, the nursery ensures optimal growing conditions for producing disease-free and genetically superior planting material. Farmers are trained in propagation techniques such as budding, grafting, and micro-propagation to establish their own nurseries and orchards.

2. Tree-Based Enterprise Incubation Centre (TBEIC)

The TBEIC provides entrepreneurial support to farmers and rural youth by offering access to facilities for value addition in wood-based enterprises. It is equipped with a **CNC wood carving machine** for precision wood processing, **wood seasoning and preservation units** to enhance durability, a **briquetting unit** for converting biomass residues into fuel, and an **agarbathi production setup** for small-scale cottage industries. This centre promotes sustainable use of forest resources and facilitates skill development for income diversification.

3. Food Forest Model – Multi-Species Fruit Orchard

The Food Forest model demonstrates a sustainable agro-ecological approach where **22 different fruit crops** are grown together to mimic natural forest ecosystems. This model promotes biodiversity, enhances soil fertility through natural nutrient cycling, and provides year-round fruit production. Farmers visiting this model learn about species selection, canopy management, and polyculture systems that increase resilience and reduce input dependency.

4. Six-Layered Agroforestry Model

This model integrates **timber and multipurpose tree species** such as Teak, Malabar Neem, Indian Rosewood, Red Sanders, Sandalwood, and Mahogany in a layered structure. The design ensures optimal use of sunlight and soil resources across six vertical layers. It exemplifies how farmers can combine forestry and agriculture for multiple income streams, improved soil conservation, and enhanced biodiversity while sequestering carbon effectively.

5. IoT-Enabled Smart Sensor-Based Irrigation System

VFSTR's smart irrigation unit utilizes **Internet of Things (IoT)** technology to automate water management based on real-time soil moisture and weather data. The system helps farmers optimize irrigation scheduling, minimize water wastage, and improve crop productivity. Training sessions are organized for farmers to understand precision agriculture tools and adopt data-driven irrigation practices for sustainable resource use.

6. Soil Science Laboratory

The Soil Science Lab provides testing services for soil fertility assessment, pH, EC, organic carbon, and nutrient status. Based on laboratory results, farmers receive **customized nutrient management recommendations** for balanced fertilizer application. This helps prevent soil degradation,

enhances productivity, and reduces input costs. The lab also demonstrates techniques like compost quality testing and microbial inoculant preparation.

7. Petal Paradise – Circular Flower Crop Garden

The "Petal Paradise" is an aesthetically designed circular flower garden that serves as a **demonstration and training unit** for floriculture. It showcases cultivation techniques for commercial flower crops such as marigold, chrysanthemum, and jasmine under field and protected conditions. Farmers are trained in nursery management, floral arrangement, and post-harvest handling to develop micro-enterprises in ornamental horticulture.

8. Exotic Fruit Crop Production Model

This unit demonstrates cultivation of high-value **exotic fruit crops** including Avocado, Jaboticaba, Macadamia, Butter Fruit, Passion Fruit, and Abieu. The model introduces farmers to new market-oriented crops suited for agro-climatic diversification. Training focuses on crop management, grafting, irrigation, and marketing strategies, helping farmers tap into premium fruit markets and diversify income sources.

9. Dragon Fruit Orchard

The Dragon Fruit Orchard showcases the complete production cycle of this emerging commercial fruit crop. It demonstrates **trellising systems, pruning methods, flower induction, and post-harvest handling** practices. Farmers are provided with technical guidance on crop establishment and integrated pest management for profitable cultivation under semi-arid conditions.

10. Pendal System for Production of Cucurbits

This system employs **structural supports (pendals)** to cultivate cucurbits such as bottle gourd, bitter gourd, and ridge gourd. The vertical growing system enhances yield, improves air circulation, and reduces disease incidence. Farmers learn about cost-effective structure fabrication, crop training, and intercropping methods suited for small and marginal holdings.

11. LARA OXY ZONE – Green Corridor in N Block

The "LARA OXY ZONE" represents a green corridor developed for **urban greening and carbon sequestration**. It features diverse tree species planted strategically to improve air quality and provide aesthetic value. Farmers and students learn about the ecological benefits of green corridors, carbon budgeting, and urban forestry initiatives that can be replicated in village environments.

12. Moringa + Curry Leaf Block

This block integrates **Moringa (drumstick)** and **Curry Leaf** cultivation to demonstrate mixed cropping for small-scale farmers. The combination provides regular income and improves soil health through leaf litter recycling. The block also serves as a learning model for nutrient management, pruning techniques, and post-harvest processing of leafy produce.

13. Vermicompost Unit

The Vermicompost Unit illustrates the process of converting agricultural and organic waste into nutrient-rich compost using earthworms. Farmers are trained in bed preparation, moisture regulation, and harvesting of Vermicompost. The unit promotes organic farming by supplying eco-friendly manure and reducing dependence on chemical fertilizers.

14. NADEP Composting Pits

The NADEP pits demonstrate aerobic composting for large-scale organic waste management. Farmers learn about pit construction, layering of materials, microbial decomposition, and compost maturation. This method is cost-effective and suitable for village-level waste recycling initiatives, contributing to soil fertility enhancement.

15. Agro-Meteorology Unit

The Agro-Meteorology Unit collects weather data and provides **location-specific agro-advisories** for informed crop management. Farmers receive guidance on sowing dates, irrigation scheduling, and pest management based on real-time weather patterns. The unit strengthens climate resilience and promotes adaptive agricultural planning.

Impact

The University's outreach initiatives strengthen the link between academic research and field-level application. By granting access to these facilities, VFSTR empowers farmers to adopt sustainable and profitable agricultural practices. This collaborative model enhances knowledge transfer, supports rural entrepreneurship, and promotes long-term environmental sustainability.

VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

VIGNAN STUDENTS HOSTEL :: VADLAMUDI			
Annual Purchase Summary (2023–2024)			
S.No	**Particulars**	**Item**	**Amount**
1	Kasa Rama Srinu	vegetables	₹ 2,26,98,069.00
2	Metro Cash & Carry India Pvt Ltd	Provisions	₹ 1,51,84,222.00
3	Sri Lohitha Foods Pvt Ltd	oil	₹ 1,52,55,924.00
4	Prakash Rice Traders	Rice	₹ 12,31,800.00
5	Lakshmi Ganapathi Rice Mill	Rice	₹ 1,23,50,480.00
6	Sandeep Super Market	Provisions	₹ 1,07,67,564.00
7	T Mallikarjuna Rao	Fruits	₹ 59,90,789.00
8	Shanmukheswara Enterprises	Provisions	₹ 15,91,620.00
9	Chandra Gas Distributors	Gas Cylinder	₹ 1,53,59,300.00
10	Yogesh Egg Center	Eggs	₹ 12,60,685.00
11	Sri Lakshmi Ganapathi Chicken Centre	Eggs	₹ 19,78,284.00
12	K Srinivas Rao (Tirumala Chicken Center)	Chicken	₹ 1,74,09,462.00
13	Vunnam Siva Nagarjuan	Rice	₹ 53,95,004.00

Registrar

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA

VIGNAN'S
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Less Food Waste

&

Encourage Farmer