

Department of Agricultural Sciences and Rural development

Departmental Activities 2018-19

I. Guest Lectures

1. GUEST LECTURE BY DR.G.V.RAMANJANEYULU

DT: 15-9-2018

VENUE: LOYOLA SEMINAR HALL

STUDENTS BENEFITED: ALL THE STUDENTS OF AGRICULTURAL SC.

Purpose: To expose the students to alternate sources of agriculture

Report:Dr.Ramanjaneyulu is an Agricultural Sc. Graduate and a Ph.D. Holder in Agricultural Extension from Indian Agricultural Research Institute, New Delhi. He worked as a Senior Scientist in Directorate of Oilseeds Research, Hyderabad from 1996-2003.

With the intention of establishing models of agriculture which are local resource based, economically and ecologically sustainable, he founded the CENTRE FOR SUSTAINABLE AGRICULTURE, TARNAKA, HYDERABAD.

He briefed the students on various issues related to sustainable agriculture.

He has given the economics of sustainable agriculture (successful management of resources for agriculture to satisfy changing human needs while maintaining or enhancing the quality of the environment and conserving natural resource base and avoiding environmental degradation) giving the example of ENABAVI VILLAGE which they have developed as a model village for sustainable agriculture. He stressed on the need for replenishing soil water levels and maximum utilization of the rain water by water harvesting techniques. He also pointed that growing crops which are indigenous to our country is beneficial as there are means of controlling insects and pests naturally. Dr.Ramanjaneyulu took the example of cotton cultivation which is the cause for a number of farmer's suicides as the crop is not indigenous to India. He stressed on the need for farmer's education which will help

them to plan the raising of crops according to their need reducing the risk of middlemen in trading.

He also answered the queries of students and staff at the end of the session.

- 1. Review:** The students have greatly benefited from the session. Some of the students have enquired about the prospects of higher education in Organic farming. They have actively participated in the questionnaire where they came to know the difference between Natural and Organic farming



2.GUEST LECTURE ON ORIENTATION FOR HIGHER STUDIES

Class: Final year Agriculture students

Dt: 14-11-18

A guest lecture was conducted by Mr. K.L. Srikanth, an alumni of Loyola, Dept. of Agriculture on the future prospects of ABM.

Purpose: Future prospects in the areas of higher education for Agriculture graduates

Report: Mr. K.L. Srikanth, B.Sc.Ag, PGDABM is an alumni of Loyola, Dept. of Agriculture .He is currently working as Associate professor, SAGAR GROUP OF INSTITUTIONS, CHEVELLA. He briefed the students about the prospects of higher education like MSc., ABM and foreign studies. He gave a PPT Presentation on the location, facilities of FABS(FOOD AND AGRIBUSINESS SCHOOL),CHEVELLA. He also conducted a survey for the students.

Review: The talk has been received by the students with great appreciation. They noted the various points presented by the speaker.



3. ORIENTATION AND AWARENESS ON BIO-STIMULANTS

Date: 22-11-18

Purpose: Orientation on Bio-stimulants of Sowbhagya Bio-tech Pvt. Ltd.

Report: Mr. Vikas Purohit explained about the importance of Bio-stimulants and Bio-products of the company, for increasing crop productivity without using chemical inputs like fertilizers and pesticides. Miss Shravani, Miss Aparna and Mr. Bharath accompanied him to Final Year students.

Review: The students had an exposure on various bio-products which are non-hazardous to soil, humans and the environment

3. ORIENTATION TOWARDS OVERSEAS EDUCATION

Date: 23-2-19

Purpose: A guest lecture has been organized for the Final year students regarding higher studies opportunities in overseas

Report: Mr. Rajesh Valur and Mr. Bharath, Overseas Educational Consultants from FLY MASTERS have spoken to the Final Year students regarding opportunities available in countries like Canada, USA, Australia, Newzealand, Italy, Germany, Sweden, Latvia and UK. They provide coaching for IELTS, PTE, TOEFL. They train people by conducting mock interviews. They provided information regarding scholarship option, free accommodation and countries for which IELTS, PTE, TOEFL are not required.

Review: The students interested in higher studies found it very useful.



4. CAREER COUNSELLING TOWARDS A BRIGHT FUTURE -SKILL SAATHI

Date: 07-03- 2019

Purpose: Pradhan Mantri Kaushal Vikas Yojana (PMKVY) aims at promoting skill and Entrepreneurship qualities for Indian youth in securing a better livelihood.

Report: Mr. Shivkumar and Ms. Sandhya from Ministry of Skill Development and Entrepreneurship explained to the students about the on-going training programmes of Skill India Mission like Industrial Training Institutes (ITI), Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Recognition of Prior Learning (RPL), National Apprentice Promotion Scheme (NAPS), Fee based courses like polytechnics, National Skills Training Institutes and Jan Shikshan Sansthan. The members made the students register their names under PMKVY.

Review: The students felt the programme very useful which can provide them the platform to improve their skill



INDUSTRY INTERNSHIP DETAILS (PARTICIPATORY LEARNING)

NO. OF STUDENTS	NAME OF THE STUDENTS	UID	TOPIC	ORGANIZATION/INSTITUTION	EXTERNAL GUIDE & PH.NO
4	K. Swetha	111715012018	Lab to Land	Metahelix Life Sciences, A TATA Enterprise	Mr.K.Loknadh 9866735180
	G. Nikhila	111715012010			
	A. Soumya	111715012004			
	S. Supriya	111714012015			
4	A.Ashritha	111715012030	Seed processing & its Management Techniques	Shri Ram Bioseed Genetics	Mr.S.Harishal 9347076309
	Y. Pravalika	111715012040			
	G. Samyuktha	111715012015			
	P.B. Punyaswi	111715012027			
4	Ankita Sarkar	111715012003	Seed processing and QC	MAC AgriPvt Ltd	Raghavendra 9989721572
	Vaishnavi	111715012019			
	Sindhu	111715012036			
	Roja	111715012037			
5	G.Vani	111715012014	Seed processing, Seed Packing and Quality Analysis	Syngenta India Ltd	Mrs.RadhaLakshmi(7780268080) Mr.D.Venkateshwarlu 9701615709
	M.Rashmitha	111715012023			
	M. Keerthi	111715012024			
	N. Mamatha	111715012026			
	S. Madhuri	111715012032			
5	K. Shravya	111715012016	Genetics, Plant Breeding and Seed Technology	DhanviAgri Genetics Pvt. Ltd	Mr.V.Shankaraiah 9491198066
	G. Sirisha	111715012013			
	P. Kavya Sri	111715012028			
	G. Manisha	111715012011			
	T. Monika	111715012034			
5	Sushma	111715012034	Seed Quality, Processing and Packing	Nuziveedu Seeds Ltd	Ravi 8790043138
	Ch. Srujana	111715012005			
	Shobitha	111715012035			
	Victoria	111715012038			
	Alekhya	111714012031			
5	G. Akhila	111715012009	Processing of Banking Services in Rural Sector	Syndicate Farmers Service Cooperative Society Ltd. Alwal	N.Singiah 9000583117
	Shreya	111715012033			
	Sudheer	111715012047			
	Paramesh	111715012042			
	Akhil	111715012060			
5	B. Vineeth	111715012045	Marketing	EldordoAgri Biotech Pvt. Ltd	Anjama 800801955
	K. Vineeth	111715012050			
	P. Rohit	111715012058			
	Y. Ashok	111715012061			
	N. Vishwateja	111715012063			
5	Albin	111715012041	Services and Severes Of Cooperative Society	Syndicate Farmers Service Cooperative Society Llted. Alwal	N.Singiaiah 9000583117
	Divij	111715012043			
	Noel	111715012044			
	Rakesh	111715012049			
	Naveen	111715012055			
3	A.Aruna	111715012001	Seed Processing & Quality Testing, GOTs,	UPL/Advanta Ltd. C/O Bharati Brahma Seeds Pvt.	Mr.V.Ashok 9000733878
	A.Srujana	111715012002			

	S.Sailaja	111715012031	FETs	Ltd	
3	Rajitha	111715012012	Role Of Bio stimulants In Modern Agriculture	Navaratna Crop Sciences Pvt. Ltd	M.Saritha Reddy 9010111138
	M.Akhila	111715012020			
	M.Hema	111715012021			
3	N.Tharun	111715012052	Cotton Production, Bale Processing & Marketing	SK Cotton Industries	Koti Reddy 8328122867
	Daniel Sukumar	111715012054			
	Amarendar	111715012059			
2	DurgaBhavani	111715012017	Study program crossing Techniques in Finger Millet	ICRISAT	Dr.ShobanBabuSajja 9849615165
	Sai Latha	111715012029			
1	Kamala Sri	111715012007	Seed Processing in Paddy, Maize Bajra,Chilli,Dolichos	Jiva logistics Biotech Pvt. Ltd	Akshay 7995052252
2	Vijay Daniel	111715012046	Cotton Baling, Processing and Marketing	Om Sai Cotton Ginning and Processing Industries	Vishal 7032355760
	Arun Kumar	111715012048			
2	John	111715012057	Cotton Ginning Process	Sri VaibhavMurga Agro tech Industry	VibhavMurgan 9440975949
	Abhishek	111715012056			
1	Poojwitha	111715012006	Breeding	Ravi Hybrid Seeds	Ravi 9440608440
1	Naveen Reddy	111715012062	Agronomy and crop production	Coromandel International Ltd.	S.Sunith Reddy 9440188962

3. Rural Agricultural Work Experience Programme (RAWEP)-2018

Purpose of RAWEP:

The objectives of Rural Agricultural Work Experience Programme are

- To provide the student with an opportunity to gain practical knowledge in crop production and crop protection.
- To familiarize the student with the socio-economic conditions of the farmers and institutions involved in rural development.
- To develop effective communication skills using extension training methods in the transfer of technology.
- To provide the students with situations of actual farming in order to develop proper perspective.

Report:RAWEP is a part of the curriculum of Final year B.Sc. Agricultural Science & Rural Development wherethe studentsstayin the villages for 3 months in the 1st semester of 4th Year. Twenty one(21) boys were allotted to KVK Jammikunta and thirty nine (39) girls were allotted to

KVK Gaddipally. Mr. G. Sreeramulu, Lecturer in Ag. Extension accompanied the boy students to Jammikunta on 02.08.2018 and Mrs. K. SudhaSundari, Head of the Department accompanied the girl students to Gaddipally on 03.08.2018.

KVK Jammikunta has allotted four villages to the boys. The villages are Marrivanipally of Illandakuntamandal, Chelpur and Rangapur of Huzurabad Mandal and Mogilipalem of Thimmapurmandal. KVK Gaddipally has allotted six villages to girls. The villages are Penpahad, Macharam, Dhupahad, Ponugodu, Gaddipally, Garidepally and Nereducharla.

Boy students organized agricultural exhibition at Mogilipalem on 08.10.2018 and girl students organized the exhibition at Gaddipally on 10.10.2018. The KVK Jammikunta conducted viva for boys on 03.11.2018 and the KVK Gaddipally conducted viva for girls on 05.11.2018

Both the KVK-Jammikunta and KVK- Gaddipally conducted orientation program and 12 theory classes & 6 practical classes for the students in the 6 weeks of their programme schedule. The Coordinator and all the Subject Matter Specialists have taken the classes. The students were shown the functioning of KVK Farms.

The lecturer wise RAWEP Visits/ follow up has given below.

VISITS OF LECTURERS FOR FOLLOWUP OF RAWEP-2018

Sl. No.	Date	Name of the Lecturer(s)	KVK
1	20.08.18	Mr. G. Sreeramulu	Gaddipalli
2	27.08.18	Mr. G. Sreeramulu	Jammikunta
3	31.08.18	Mr. G. A. Chakravarthy	Jammikunta
4	31.08.18 & 01.09.18	Mr. G. Sreeramulu	Gaddipalli
5	14.09.18	Mr. G. Sreeramulu	Jammikunta
6	19.09.18	Mr. G. Sreeramulu	Gaddipalli
7	29.09.18	Mr. G. Sreeramulu	Jammikunta
8	08.10.18 (Exhibition)	Dr. N. Mariadas & Mr. Sreeramulu	Jammikunta
9	10.10.18 (Exhibition)	Mrs. K. SudhaSundari	Gaddipally
10	15.10.18	Dr. N. Mariadas	Gaddipally
11	27.10.18	Dr. K. Shanthi	Gaddipalli
12	03.11.18 (Viva)	Dr. K. Krishna Mohan & Mr. G. Sreeramulu	Jammikunta
13	05.11.18 (Viva)	Mr. G.A. Chakravarthy & Mr. G. Sreeramulu	Gaddipalli



Visit of students to the houses promoting information



Students' participation in Parthenium Awareness Week

వేపాకు కషాయంతో అధిక దిగుబడులు

+ లయోలా కళాశాల విద్యార్థినులు

పెన్షనరీ : వేపాకు కషాయంతో పంటలో అధిక దిగుబడితో పాటు అధిక లాభాలు వస్తాయని హైదరాబాద్ లయోలా కళాశాల విద్యార్థినులు తెలిపారు. సోమవారం మండల కేంద్రంలోని రైతులకు వేపాకు కషాయం తయారీ-వాటి లాభాలపై అవగాహన కల్పించి మాట్లాడారు. ముందుగా వేపాకులను ఎకరానికి సుమారు 10 కేజీలు సేకరించి నీటిలో నానాబెట్టాలి. ఆ తర్వాత ఆకులను మెత్తగా రుద్ది, ముద్దగా చేసి ద్రవాన్ని తీయాలి. తీసిన ద్రవాన్ని సెక్స్ సిక్స్లో కలిపి వడపోయాలి. ఈ విధంగా తయారు చేసిన కషాయాన్ని అన్ని రకాల పంట పోలాలపై వివిధరకం చేసినట్లయితే అధిక దిగుబడి సాధించవచ్చని వారు తెలిపారు. కార్యక్రమములో విద్యార్థినులు హార్షిక, శ్రేష్ఠ, నిఖిల, సామ్య, ప్రవళ, సామ్య తదితరులు ఉన్నారు.



వేపాకు కషాయం తయారీపై రైతులకు అవగాహన కల్పిస్తున్న విద్యార్థినులు

Method demonstration organized by the students



Participation of Students in a school on the eve of Independence Day celebrations



Student participation in preparation of the field



Harita Haram and Distribution of Phermone Traps



Agricultural Exhibition , KVK, Jammikunta



Students with Loyola Staff and Scientists of KVK Jammikunta

4. Agricultural exhibition AGRIHITA and Farmers programme

AGRICULTURAL EXHIBITION-2019

Department of Agricultural Science and Rural Development

The Department of Agricultural Science and Rural Development has conducted an Agricultural exhibition along with Farmers' programme on 6th February 2019.

Purpose: To showcase the talents of Agriculture students and to create awareness in farmers in and around Medchal.

Report:

- The event was graced by the Rector, Rev Fr. Raju SJ, the Principal Rev Fr. Anthony Pothireddy SJ, Rev Fr., Balaswamy, Vice- Principle(UG), Block incharge Rev Fr.

Anandand the chief Guest Dr. N. Venkateswara Rao , Head, KrishiVignana Kendra, Jammikunta.

- A total of **132** students have participated in setting up of stalls which projected their talents.
- A total of **33** stalls have been put up by the students.
- High School students from 3 schools have visited the exhibits.
- The Chief guest for the event was Dr. N. VenkateswaraRao , Head, KrishiVignana Kendra, Jammikunta.



Multi-purpose implements: Helps in ploughing, sowing and leveling



Distillation plant: Students recommended farmers to take up distillation plant setup to extract oils from plants like lemongrass, palmarosa as they have high demand in European countries



Kitchen gardening: The stall focuses on cultivation of vegetables and herbs in the backyard or on roofs to get pesticide free products.



Seed vigour and Viability:The stall educates on the importance of quality seed for multiplication purpose. The seed growers multiply the seed according to the recommended norms and the quality lab tests the purity of the seed.



Organic products displayed by Center for Sustainable Agriculture



Aquaculture: The students have tried to show the importance of aquaculture coupled with paddy cultivation to reduce fishing pressure and to increase Rice yields.



Contour Cultivation: The benefits of Contour cultivation have been depicted in the form of a model in hilly areas to make use of available water and reduce labour costs.



Suraksha: the students wanted to think about the benefits of using used coconut shells for raising nurseries as it conserves water and reduces plastic usage



Current Agricultural Situations and Aspects related to Farmer's development:
 The students tried to create awareness among farmers about the subsidies, loans available in Organic agriculture



Smart Village: The stall explains the meaning of Smart village- the village with a Greenhouse, bank, hospital, school, Rice mills, storage rooms, water facility and uses efficient water management methods. It is the concept of Mahatma Gandhi.



Recirculatory Aquaculture System: The unit explains about fish rearing in high density and less water .The water can be circulated back for Aquaculture



Wheat grass cultivation: Importance of Wheat seedlings or sprouts has been depicted which are highly nutritious and can be taken up as an alternate means of income



Integrated Farming System: Insists on proper processing of wastes and maximize the income of farmers



Natural Farming: Preparation of natural products like NEEMASTRA, BRAHMASTRA for controlling sucking pest, AGNASTRA prepared for chilli, garlic, tobacco and neem leaves were prepared by students and exhibited.



VIPRAYAN AGRICULTURE : Stall focuses on utilization of natural resources like solar, wind and hydraulic energy for solving the problems in agricultural activities.



SOLAR IRRIGATION : Aim is to reduce the usage of natural fuels and electric energy and maximum utilization renewable solar energy for electricity ,pumping ground water and reducing pollution .



SRI VARICULTIVATION : A system of rice intensification with less water and chemical requirement compared to conventional method



GREENHOUSE :A model of gable roof greenhouse has been put up by the students which provides favorable conditions for particular crops .

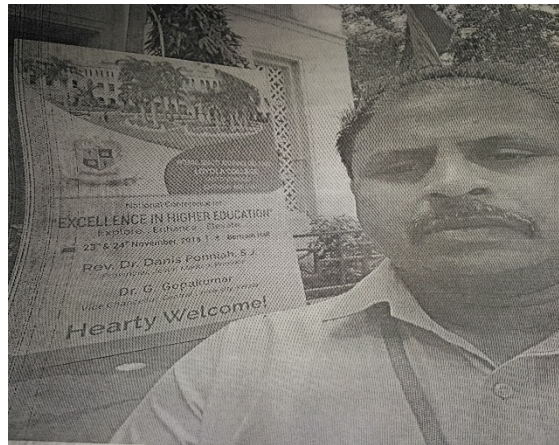
II. Staff Activities:

1. Dr. N.Mariadasattended a meeting at office ofCommissioner of Police on 18-7-2018 regarding anti-ragging.

2. Mr. G. AshokaChakravarthy has attended a Teachers Training Programme on **Natural Farming** at Manas Ganga Ashram, Hyderabad by Sri Sai Institute of Agricultural Sciences and Technology Trust from 4-8-2018 to 11-8-2018.

3. Dr. N. Maria Das has attended a **National Conference on Excellence in Higher Education. Explore.. Enhance.. Elevate**, organized by the Internal Quality Assurance Cell (IQAC), Loyola College, Chennai held on 23rd and 24th November, 2018.

4. Dr. N. Maria Das has presented a paper titled **Modalities of Choice Based Credit System in India** during the National Conference on Excellence in Higher Education. Explore.. Enhance.. Elevate, organized by the Internal Quality Assurance Cell (IQAC), Loyola College, Chennai held on 23rd and 24th November, 2018.



III. Best practices of the Department

Cultivation of Vegetables

The students of I ,II ,III,IV years from the Department of Agricultural science & RD were involved in cultivation of various vegetables like Brinjal , Leafy vegetables , Cluster beans ,Gourds , Bhendi , chilli , Tomato in the field . After harvesting, vegetables are sold to students, Staff, in the college for the benefit of students to learn various cultural operations involved in growing, and marketing under the guidance of staff. The department thus provides a source of revenue to the college



Selling Vegetables cultivated in the students farm

IV.FIELD VISITS

1. VISIT TO COLLEGE OF AGRICULTURAL ENGINEERING, KANDI, SANGAREDDY

Date: 03-08-2018

Class: DAG- A AND B accompanied by Mrs. K.SudhaSundari and Mr.Gangadhar

Purpose: To impart knowledge on significant use and maintenance of farm power and machinery through various media including demonstration

Report: A brief introduction and explanation about various Farm equipment and machinery was given by Dr.J.Satyanarayana and Ch.Sravankumar. Various components of tractor and working was shown practically by Dr.Balchand. The students also acquired knowledge on various post-harvest equipment of various crops like shellers, decorticators and hullers. Several improved machinery was shown to the students. Later the students were shown cut models of various types of engines like two-stroke and four-stroke along with working.

Review: The students had a practical exposure on various farm machinery and felt very contended.





2. VISIT TO CENTRAL INSTITUTE FOR MEDICINAL AND AROMATIC PLANTS

Date: 26-09- 2018

Purpose: This visit is to enable the students explore the importance of raising commercial medicinal and aromatic crops.

Report: The third year students of B.Sc.(Hons.) Agricultural Science and Rural Development have visited CIMAP , Hyderabad on **26 th of September 2018** as a part of practical study in the subject Production technology of vegetables ,medicinal and Aromatic crops.

The members of CIMAP introduced about their research station and various branches across the world. The main branch of CIMAP is located in Lucknow.

NUSERY

In nursery students have learnt how to propagate, cultivate medicinal and aromatic plants, their market value and their role in human life.

The following crops were found in the nursery

Lemon grass , Saraswathi plant , Aloe vera, Guduchi plant, Brahmi plant, lemon seed and In field ,students have also seen citronella, lemon grass, Senna, sarpagandha, coleus zylanicous, Ashwagandha, gall Meg, vetiver, eucalyptus citriodora ,turmeric plants,periwinkle, and extraction of oil from aromatic and medicinal plants

Review: The students have learnt about the various crops involved in extraction of essential oils, medicinal and aromatic crops.



3. VISIT TO TELANGANA STATE DAIRY DEVELOPMENT CO-OPERATIVE FEDERATION LIMITED

DATE: 13-12-2018

Purpose: This visit is to expose the students to practical knowledge which is learnt in books.

Report: The final year students of B.Sc.(Hons.) Agricultural Science and Rural Development have visited the Telangana State Dairy Development Co-operative Federation Limited which is located in Lalapet, Hyderabad on 13th of December 2018 as a part of practical study in the subject Agribusiness management and International Trade.

During this visit the students have gained practical knowledge with regard to processing and packing of milk in the Vijaya Milk Industry. The milk which is processed and packed is collected from various places all over Telangana. Vijaya dairy processes about 50 lakh litres of milk every day. It is equipped with heavy machinery each of about 50,000litres capacity. This Agribusiness organization not only does processing and packing of milk but also prepares various milk products like Paneer, Doodhpeda, Badammilk, Ghee and various other products prepared from milk.

Review: The students have learnt about the various sectors involved in this Vijaya Dairy Milk of the Telangana State Dairy Development Co-operative Federation Limited, Lalapet, Hyderabad.



4.Visit to Telangana state co-operative apexBank(DAG-A&B)

Date: 17-12-2018 AND 18-12-2018



Purpose: The third year students (DAG-A&B) of BSc.(Hons) Agricultural Science and Rural Development have visited The Telangana State co-operative Apex Bank(TSCAB) which is located in troop bazaar, Bank street Hyderabad along with Dr. Maria das sir, the course- in-charge on 17th and 18th of December 2018 as a part of practical study in the subject of **Co-operative Marketing and Finance**.

Report: This visit is to expose the students to the practical knowledge which is granted in books. During the visit, the students have gained practical knowledge with regard to functioning of the banks, banking systems and governance of the bank. The bank is providing all banking services to its clients through a network of 42 branches and 36 ATMs, 1 Mobile ATM & 5 ATMs in metro station. The number of farmers benefited are 9,08,510 using an amount of 9047.00 crs. The bank officials who guided the students are Ms. Manjurghosia (GM) and Mr. Ravi (senior manager)

Review: Students have learnt about the various banking schemes provided by the bank and the benefits received by the farmers through Telangana state cooperative Apex Bank , troop bazaar, Hyderabad.

5.VISIT TO TELANGANA STATE SEEDS DEVELOPMENT CORPORATION LTD., JEEDIMETLA(TSSDC)

Date: 04-01-19

Purpose: To know about the various activities of Telangana State Seeds Development Corporation Ltd., Jeedimetla.

Report: The students of DAG-A and B have been taken on an industrial tour to TSSDC, Jeedimetla. They have visited both processing unit and Quality lab. In the Quality lab, Mrs. Krishnaveni - seed officer has explained about the various activities done in the Quality lab:

1. Decoding of the sample
2. Physical purity test
3. Germination test
4. Moisture test

In physical purity analysis, the students have observed various equipment used for conducting the test like seed dividers- gamet type, soil type and Boerner dividers for obtaining working sample.

They have also observed various seed counters like counting boards, computerized seed counters and vacuum counters.

They have also observed the method of conducting purity analysis. The sample is tested for pure seed %, other distinguishable varieties(ODVs) and other crop seeds. ODVs should not be more than 1% for Foundation class and not more than 2% for certified class.

Germination test is done using paper towel. 100 seeds are taken from pure seed component and placed on paper towel soaked in water containing Thiram for 30 min. Another paper towel is placed on top of it and kept for germination in a germinator. The students have observed the types of germinators- cabinettype and walk-in type where conditions for seed germination are optimum. The seedlings are evaluated on the 1st and final count as germinated, ungerminated and dead seeds.

Moisture test is done using Moisture meters. The meter is calibrated for the crop selected. The test cup is filled upto the mark with the seed and placed in the Moisture meter. The reading is noted.

The lab collects 200 rupees per sample for conducting the tests and the result is given in 1 week or 10 days. A guard sample is always maintained in cases of retesting.

The activities in Processing plant:

The students have visited the processing unit where Rice var MTU1010 is being processed. The processing contains pre-cleaning, basic cleaning, bagging and labeling.

The AIR-SCREEN CLEANER used for the purpose contains Aspirator for removing light chaffy material, graders for removing large sized particles and scalpers for removing small sized particles.

The students have observed the various steps in processing of paddy and the equipment for Soybean processing. Mr. M.A. Rehman and Mr. P.Vinay (seed officer) explained the activities to the students.

Review: The visit has greatly benefited the students in gaining practical exposure on processing plant and various activities of the Seed dev. Corporation. This visit also helped the students in observing the equipment of quality lab. They observed practically the labeling and tags given to different classes of seed.





6. VISIT TO MASQATI DAIRY PLANT

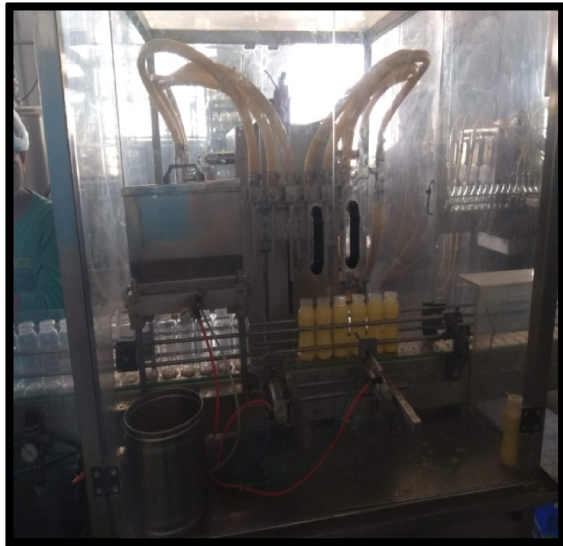
Date: 4-1-19

Purpose: The final year students of B.Sc.(Hons.) Agricultural Science and Rural Development have visited the Masqati Dairy Plant which is located in Ibrahimpatnam, Hyderabad on 04th of January 2019 as a part of practical study in the subject Livestock and Fish Production Management accompanied by Mr.Karunakar, the course-in-charge.

Report: Apart from milk, the industry also processes various milk products like paneer, butter, ghee, ice creams, flavoured milk, doodhpeda and many others. The students also learnt about various breeds in cattle and the minor differences between them.

This visit is to expose the students to practical knowledge which is learnt in books. During this visit the students have gained practical knowledge with regard to processing and packing of milk in the Masqati Dairy Plant.

Review: The students have learnt about the various sectors involved in Masqati Dairy Plant, Ibrahimpatnam, Hyderabad.





7.VISIT TO *CSIR* - CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE (CFTRI) RESOURCE CENTER, HYDERABAD

Date: 07-03-2019

PURPOSE: To learn about the various techniques of food processing



REPORT: As a part of practical syllabus for the subject ‘Principles of Food Processing and Preservation, the students of Dept. of Agrl. Sc. & RD, (DAG – A & B) visited CFTRI Resources Centre, Hyderabad to gain knowledge about different technologies that are used for food processing and preservation. Students have observed various machines viz., post-harvest technology for processing of cereals and pulses, oil processing and refining unit, fruit pulping machine and other grading and sorting machines. They have gained clear idea about working principle and uses of those technologies.



REVIEW: This visit gave good knowledge on different technologies that are developed for food processing and preservation and also students gained knowledge on various career opportunities related to Food Technology.

8.VISIT TO INDIAN INSTITUTE OF OIL SEEDS RESEARCH

DATE: 1-02-2019

Place: Rajendranagar

Faculty members: -Mrs. Dr.A. Sai Hariniand Ms. kiranmai

Purpose:-To expose the students to practical knowledge over different techniques related to biotechnology

Report: Intially the students have visited IIOR (INDIAN INSTITUTE OF OIL SEEDS RESEARCH) museum where they had a small presentation on the institution and the current research crops they are working on such as castor, Sesamum,Sunflower,etc..



Next we have visited tissue culture laboratory and they have explained about it.
Here we have observed various cultures incubated and different media compositions and its preparations



Cryopreservation: The students have seen the equipment related to preservation of Germplasm and learnt about cryopreservation . This is a process where organelles, cells, tissues, extra cellular matrix, or any biological constructs susceptible to damage caused by unregulated chemical kinetics are preserved by cooling to very low temperatures.



Then we have visited molecular biology lab to observe various instruments like centrifuge, gel electrophoresis, laminar air flow chamber, PCRs and other glassware



VISIT-2

The students have visited DEPARTMENT OF PLANT BIOTECHNOLOGY where we learnt DNA isolation and there was a small lecture on marker assisted selection.

VISIT-3

The students have visited AGRIBIOTECH FOUNDATION to know about various studies on plant transgenics(BPH and rice plant screening)and we also observed primary and secondary hardening of plants in green houses



Review:The students were able to see practically the various methods that are followed to culture plants on a large scale using plant tissue culture.

The students could gain practical knowledge on various topics such as tissue culture, DNA isolations, phenotypic screening.



V. Students Details

Placement Report

Details of UG students (passed out in 2017-2018) selected for jobs.				
Sr.No.	UID Number	Name of the Student	Organization Placed in	Salary Offered
1	14012011	M. Deepthipriyanka	Jain Irrigation	20,000
2	14012012	P. Anusha	Brightcom	15,000
3	14012017	Y. Shrvanthi	OLAN	25,000
4	14012019	B.Sathish	Nagarjuna Fertilizers	25,000
5	14012021	D.Sunilbabu	Jain Irrigation	25,000
6	14012022	G. Praveen reddy	Aries agro ltd.	20,000
7	14012033	V. Spandanakumari	Teacher, Chevella	15,000
8	14012034	A.Srikanth	Aries agro ltd.	20,000
9	14012036	D. Rohitreddy	Aries agro ltd.	20,000
10	14012039	K. Goutham	Aries agro ltd.	20,000
11	14012040	P.Nikhileshwar	IIMR,Rjnr,Hyd	30,000
12	14012042	B. Revanthkumar	Cotton Research Ins	40,000

Higher Studies Report

Details of UG students (passed out in 2017-2018) joined higher education.				
Sr.No.	UID Number	Name of the Student	Course Joined	College / University Joined
1	14012001	A.Pravallika	MSc.Ag	SHUATS,Allahabad
2	14012002	B.Sneha	MS	Mississippi State University
3	14012003	B. Sindhu	MSc.Ag	SHUATS,Allahabad
4	14012006	G. Praveena	MSc.Ag	SHUATS,Allahabad
5	14012007	Iba Jones	ABM, Assam	Assam University
6	14012008	JahnaviRavella	ABM	IIPM, Bangalore
7	14012013	P. Pragnya Reddy	MSc.Ag	SHUATS,Allahabad
8	14012014	S. Mary Vineetha	MSc.Ag	SHUATS,Allahabad
9	14012018	B.Manoj Khanna	ABM	FABS, Chevella
10	14012020	B. Udaykumar	MANAGE	Rajendranar,Hyd
11	14012023	G. Vinod kumar	M Sc. Ag	West Bengal Ag University
12	14012026	M. Balaswamy	MS	Poznan University of Life Sciences, Poland
13	14012027	M. Chandra Sekhar Reddy	ABM	IIPM, Bangalore
14	14012028	M. Srikanth	ABM	IIPM, Bangalore
15	14012029	M. Sai Chandra Reddy	MSc.Ag	SHUATS,Allahabad

STUDENTS' ACTIVITIES

Sushma Sri (NO:19) Of DAG-A participated in a camp as counsellor conducted by "VOICE 4 GIRLS" from 1st May to 5th May. The camp was about creating awareness about their bodies, puberty and rights.

M. Sai chandra Reddy of 2014-2018 batch appeared in ' DEXTROUS DYNAMOS' the extraordinary students magazine of Loyola Academy for his participation in various seminars and paper presentations.

M. BalaMurali (TS17SDA103801), k.RamyaReddy(TS17SWA103858) , the NCC cadets participated in the Annual Training Camp-II(IUC TSC) at Bison Training Ground, Secunderabad from 11 June to 19 June 2018.

RESONANCE 2018: RESONANCE 2018 has been conducted on 26, 27 and 28 of November 2018. A total of 123 students (the highest number of participants)

have participated in various literary and cultural events- 14 solo and 13 group events. The students have won the following prizes:

SOLO EVENTS: Instrumental: 1st place
Quiz: 3rd place
Folk dance: 2nd place
Face painting: 1st prize
Mono act: 2nd and 3rd prizes
Creative writing: 1st place
Rangoli: 1st and 3rd places
Mehendi: 1st and 2nd places

GROUP EVENTS: Instrumental: 1st place
Quiz: 3rd place
Folk dance: 2nd place
Face painting: 1st prize
Group dance: 1st place

The department has won the over-all championship and prize for maximum number of participants.



Shwetha (No.18) has completed three on-line courses from Alison and Agri-MOOCs. She was also the best out-going student.

Vaishnavi(No.19) won Natyamayuri award at State level folk dance competition. She was the best extra-ordinary achiever winner.

Ch. Vijay Daniel(No. 47) appeared in Deccan Chronicle Newspaper for his passion on photography. He has started his own site PIXEL FARMER