

Departmental Activities 2019-20

1. Workshop on Energy conservation Awareness

Date: 29-06-2019

A workshop was conducted by K. V. S. Narayana Raju, External Faculty, Petroleum Conservation Research Association for the students of NAG-B and DAG-B at 1:00 pm

Purpose: To create awareness on Global warming and proper utilization of fuels.

Report: Mr. K. V. S. N. Raju initiated the programme by talking about global warming and the causes for increase in temperatures. It was interesting to know that green-house gases like CO₂, CO, CFCs form an insulating layer around Earth's atmosphere preventing the escape of radiation heating up Earth's surface.

Mr. Raju has indicated ways in which Agricultural industry plays an important role in Global warming like Fertilizer production and improper usage, incomplete combustion of fuel in farm machinery. He also indicated that the CO₂ levels have increased 5% compared to past 15 years. There is a chance that the CO₂ levels increase by 25% by 2030.

Mr. Raju suggested the measures to be taken up to control the threat. Proper utilization of fertilizers, complete combustion of fuels, lowering the size of water pipe and using lubricants for friction less driving. He even suggested that at house-hold level, proper utilization of fuel, substituting Bio-gas in place of LPG and turning of vehicles during traffic signals can save fuel.

Review: The workshop proved to be a motivating one especially for the students of this generation. It inculcated in their minds the importance of each and every citizen in solving this growing problem.



2. The Department has taken an initiative to make Independence Day greener by incorporating seeds of *Thotakura* AND *Methi* in the flags that were used to pin on the people who attended. The flags were to be planted in the soil to get seedlings instead of disposing them

3. FIELD TO SCHOOL PROGRAMME (Educating school students on Cultivation of various Field crops)

Purpose: To impart knowledge on various cereals, Millets and Vegetables and their cultivation practices in school children.

Report: A total of 100 students from CMR High School, Bowenpally studying in Ninth standard have visited the Department on 23-09-2019 to know about the various field crops being cultivated in the students' farm. The students of Agricultural Science have explained about the various cultivation practices of the crops they are raising.

Review: The school students as well as the staff felt very happy to see and identify various crops at a single place. They thoroughly enjoyed their trip which they felt was very informative. The school has given an appreciation letter thanking the Department.





II. INDUSTRY INTERNSHIP 2019:

Details of Industry Internship Programme-2019

Department of Agriculture Science & Rural Development FAG-A&B

Batch No.	Number of Students	Title of Project	Name of Industry
I	5	Cotton production, Bale processing & Marketing	Sri Laxmi Narasimha Industries, Vemulawada
II	5	Rural Finance & Agricultural Marketing	Syndicate farmer Service Cooperative Society, Alwal
III	4	Banking Services in Rural Sector	Syndicate farmer Service Cooperative Society, Alwal
IV	5	Cotton production, Bale processing & Marketing	Om Sai Cotton Industries, Warangal
V	2	Germination Analysis of Corn	Syngenta India Ltd, Medchal
VI	3	Seed Quality Processing and Packaging of Bajra & Sunflower	Nuziveedu Seeds Ltd, Dhullapally
VII	3	Quality Analysis of Seed	Crystal Crop Production, Gauraram
VIII	5	Plant Tissue Culture: Case Study of Banana	Agri Vitro Laboratories, Medchal
IX	5	Role of Organic Oils in Plant Growth	KS Organics & Consultants, Jeedimetla
X	4	Processing of Pulses, Spices and Nuts	Anand Products Food Specialties Pvt. Ltd., Jeedimetla
XI	5	Data collection and crossing techniques in finger millet crop	ICRISAT, Patancheru
XII	5	Agro chemicals in Agriculture	Dhana Crop Science Ltd., Choutuppal
XIII	2	Coromandel Inputs, Fertilizers and Pesticides Management	Coromandel International Ltd, Sadashivpet
XIV	4	Seed processing, packing and quality control	Prasad Seed Pvt. Ltd., Medchal
XV	3	Seed processing, packing and quality control	Nuziveedu Seeds Ltd, Dhullapally
XVI	4	Evolution and Analysis of Crop Insurance	OMDC, Begumpet
XVII	5	Seed Testing, Quality Control & Processing	TSSDC, Jeedimetla
XVIII	4	Seed processing and Management Techniques	Sri Ram Bio Seed Genetics, Gundlapochampally
XIX	4	Processing of Milk and Milk Products	Dwaraka Milk & Milk Products,

			Gundlapochampally
XX	5	A Study on Seed Processing and Seed Testing (Quality Control)	Agri Mac Seeds Pvt. Ltd.
XXI	4	Cotton Bale Processing & Marketing	Srinivasa Cotton Industries, Jagdevpur
XXII	4	Poultry feed & Broiler Management	Chelimedra Feeds Pvt. Ltd, Karimnagar





II. RAWEP 2019:

Rural Agricultural Work Experience Programme is conducted for the Final year Agricultural Science and Rural Development students as part of their curriculum. Boys (a total of 40 students) have been attached to Krishi Vigyan Kendra, Jammikunta. The following villages have been allotted:

Venkateswarapally

Jageerpally

Ramachandrapuram

Ramachandrapuram

Thummanapally

Duddenapally and

Duddenapally.

Girl students (a total of 48 students) have been attached to Krishi Vigyan Kendra, Gaddipally. The following villages have been allotted:

Gaddipally

Gaddipally

Marrikunta

Ponugodu

Chillepally

Penpahad

Nereducharla and

Nereducharla.

All the students have attended an orientation programme conducted by the Krishi Vigyan Kendras, participated in various field activities, conducted Farmers survey, participated in Swachh Bharat, Tree plantation programmes, various social activities like conducting Awareness programmes, Method demonstrations and Exhibitions. The students have submitted reports in five subjects and attended viva conducted by the KVKs.





పట్టు పురుగుల పెంపకంపై అవగాహన

పెన్పహాడ్, సెప్టెంబరు 23: పెన్పహాడ్ మండలం లింగాల గ్రామంలో పట్టు పురుగుల పెంపకంపై సోమవారం రైతులకు లయోల కళాశాల విద్యార్థులు అవగాహన కల్పించారు. పట్టు పురుగుల పెంపకం వల్ల కలిగే లాభాలను రైతులకు వివరించారు. రైతులు పట్టు సాగుతో ఆర్థికంగా బలోపేతం కావాలని ఆకాక్షించారు. రైతులు వ్యవసాయంలో వస్తున్న నూతన ఒరవడులను అలవర్చుకోవాలని సూచించారు. కార్యక్రమంలో విద్యార్థులు కావ్య, దీపిక, సహర్ష, శ్రావణి, శ్యామల, రూత్, ఇవాంజేలాన పాల్గొన్నారు.



అవగాహన కల్పిస్తున్న కళాశాల విద్యార్థులు



'మొక్కల పెంపకాన్ని బాధ్యతగా స్వీకరించాలి'

గరిడేపల్లి : సకల ప్రాణులకు జీవనాధారం మొక్కలేనని, కావున మొక్కల పెంపకాన్ని బాధ్యతగా స్వీకరించాలని గ్రామీణ కృషి అనుభవం



గరిడేపల్లిలో మొక్కలు నాటుతున్న విద్యార్థులు

కోసం కృషి విజ్ఞాన కేంద్రానికి వచ్చి సికింద్రాబాద్ లయోల కళాశాల విద్యార్థులు అన్నారు. మండలంలోని గరిడేపల్లి గ్రామంలో శనివారం గ్రామస్తులతో కలిసి మొక్కలను నాటారు. అనంతరం వారు మాట్లాడుతూ మొక్కల పెంపకం ద్వారానే వాతావరణ కాలుష్యం తగ్గుతుందని, వానలు సకాలంలో కురుస్తాయన్నారు. కావున ప్రతి ఒక్కరూ మొక్కలు నాటడంతో పాటు సంరక్షణ బాధ్యతగా తీసుకోవాలన్నారు. కార్యక్రమంలో విద్యార్థులు సహార్ష, శ్రావణి, రూత్ ఇవాంజిలిస్ట్, శ్యామల, దీపిక, కావ్య, పావని, కరుణ, బిందు, శృతా, సుగంధి, అఖిల పాల్గొన్నారు.

**పట్టు పురుగుల పెంపకంతో
రైతులకు లాభం**



అవగాహన కల్పిస్తున్న విద్యార్థినులు

గరిడేపల్లి (హుజూర్ నగర్) : పట్టు పురుగుల పెంపకంతో లాభాలు సాధించవచ్చని కేవేకే శాస్త్రవేత్త సుగంధి, లయోలా కళాశాల విద్యార్థినులు రైతులకు సూచించారు. మండల లంలోని గడ్డిపల్లిలో మంగళవారం పట్టు పురుగుల పెంపకంలో తీసుకోవాల్సిన జాగ్రత్తల గురించి కేవేకే శాస్త్రవేత్త సుగంధి అధ్యక్షులలో అవగాహన కల్పించారు. ఈ సందర్భంగా వారు మాట్లాడుతూ పట్టు పురుగుల పెంపకం కోసం 50 అడుగుల ఎత్తు 30 అడుగుల వెడల్పు షెడ్లను ఏర్పాటు చేసుకుని ఆ షెడ్లలో బెడ్లను నిర్మించుకోవాలన్నారు. చాకి వాల్మ్స్ను 2 నిద్రావస్థలు అయ్యాక ఈ షెడ్లలో ఉన్న బెడ్స్ పైన మల్చరీ ఆకులను వేసి వాటి మీద వాల్మ్స్ను వేసుకోవాలన్నారు. షెడ్లలో అవి 2 నిద్రావస్థలను పూర్తి చేసుకుంటాయి. వాల్మ్స్ నిద్రావస్థలోకి వెళ్లక మేత వేయడం ఆపేసి సున్నం పొడిన చల్లుకోవాలని దీని ద్వారా రోగాలను తగ్గించుకోవచ్చునన్నారు. షెడ్లలో ఉన్న పట్టు పురుగుల మేత కోసం 2 ఎకరాల మల పురీని సాగు చేసుకోవాలన్నారు. షెడ్లను 2 శాతం బ్లీచింగ్ పౌడర్ లేదా ఆస్ట్రాతో శుభ్రం చేసుకోవాలని వివరించారు. ఈ కార్యక్రమంలో విద్యార్థినులు సహార్ష శ్రావణి, రూత్ ఇవాంజిలిన్, శ్యామల, దీపికా, కావ్య, రైతులు తదితరులు పాల్గొన్నారు.

వర్మికంపోస్టుతో రైతులకు లాభాలు



అవగాహన కల్పిస్తున్న విద్యార్థినులు

గరిడేపల్లి (హుజూర్ నగర్) : వ్యవసాయం చేసే రైతులు రసాయనిక ఎరువులు ఎక్కువ మోతాదులో వాడటం వల్ల భూమిలో సారాన్ని కొల్పోతున్నామని లయోలా కళాశాలకు చెందిన విద్యార్థినులు శుక్రవారం మండల పరిధిలోని గడ్డిపల్లి గ్రామ పంచాయతీ కార్యాలయంలో రైతులకు అవగాహన కల్పించారు. ఈ సందర్భంగా వారు మాట్లాడుతూ భూసారాన్ని కొల్పోవడం వల్ల చీడ పీడలను తట్టుకునే శక్తి భూమిలో రోజురోజుకు తగ్గిపోతుందని తెలిపారు. ఇప్పుడున్న పరిస్థితుల్లో భూసారం

పెంపొందించేందుకు వర్మికంపోస్ట్, వర్మివాష్ లాంటి జీవన ఎరువులను వాడాలని సూచించారు. విద్యార్థినులు సహార్ష, శ్రావణి, రూత్ ఇవాంజిలిన్, శ్యామల, దీపిక, కావ్య వర్మికంపోస్టు, వర్మివాష్ తయారీ పద్ధతిని, వాటిని వాడటంతో ప్రయోజనాలను వివరించారు. వీటిని ఇంట్లోనే ఉత్పత్తి చేసుకొని వాడుకోవడం లేదా విక్రయించుకోవచ్చని తెలిపారు. కార్యక్రమంలో పంచాయతీ సెక్రటరీ క్రాంతికుమార్, ఎంపీటీసీ శ్రవంతి, డి.జానయ్య, వెంకటేశ్వర్లు పాల్గొన్నారు.

పారిశుధ్యంపై అవగాహన పెంచుకోవాలి

గరిడెపల్లి, న్యూస్టుడె: పారిశుధ్యంపై విద్యార్థులు ఇప్పటి నుంచే అవగాహన కల్పించుకోవాలని కేవీకే శాస్త్రవేత్త సుగంధి సూచించారు. గడ్డిపల్లి ఉన్నత పాఠశాలలో పారిశుధ్యంపై లయోలా కళాశాల డీఎస్సీ అగ్రికల్చర్ చివరి సంవత్సరం విద్యార్థులు అవగాహన కల్పించారు. వర్షాకాలంలో వచ్చే అంటువ్యాధులు, జ్వరాలు, తదితర వ్యాధుల నుంచి రక్షించుకోవాలంటే ప్రతి శుక్రవారం 'డ్రై డే' పాటించేలా అవగాహన కల్పించుకోవాలన్నారు. సమావేశంలో కావ్య, ఎస్ఎల్ శ్యామల, పావని, శృతి, బిందు, సహర్ష, శ్రావణి, రుత్ ఎవంజిలీస్, పి.దీపిక, పి. కరుణ అఖిల పాల్గొన్నారు.



విద్యార్థులకు అవగాహన కల్పిస్తున్న సుగంధి





III. STAFF ACTIVITIES

Mrs. D. Saritha has participated in a skill development- cum- training programme on **Cultivation and Primary Processing of Economically Important Aromatic Crops** held at CSIR-CIMAP, Research Centre, Hyderabad from 19-21 June 2019.

Dr.N. MariaDas has attended and presented a paper on **Sustainable and Profitable Market Linkages for Rural Entrepreneurs in India** in a two-day National Symposium on The choice of Farming Models for Income Security towards Equity and Sustainability from 21-22 June at College of Agriculture, Bapatla, AP, India.

Dr.N. MariaDas has published a paper **Sustainable and Profitable Market Linkages for Rural Entrepreneurs in India** in National Symposium Proceedings, Department of Agricultural Economics, College of Agriculture, Bapatla, AP, India. Pg: 116-128

Dr.N. MariaDas has published a paper **Vegetable Marketing through Rythu Bazars India** in National Symposium Proceedings, Department of Agricultural Economics, College of Agriculture, Bapatla, AP, India. Pg: 129-13

Dr.A.Sai Harini has attended and completed training on **Organic and Hydroponic Farming** conducted by Ministry of Micro, Small and Medium Enterprises, GOI-Technology Development Centre(PPDC) from 03-08-2019 to 04-08-2019 at Hyderabad.

Dr. k.Shanthi has presented a poster on **Conversion of biodegradable organic wastes into vermicompost and assessment of its nutritive value at 4th** International Conference on Agriculture and Animal Husbandry at University of Hyderabad during 28-30August 2019.

Mrs. D.Saritha has participated in 4th International Conference on Agriculture and Animal Husbandry at University of Hyderabad during 28-30August 2019 and published an article **Effect of post-harvest application of anti-oxidants on shelf life and biochemical composition of sapota cv. Kalipatti during storage at ambient temperature.**

Mrs. D.Saritha has attended as a resource person to conduct a session on **Basics of Horticulture** to the students of PGDM(19-23 BATCH) at Food and Agri Business School, Chevella, Hyderabad.

Mrs. D.Saritha has participated and presented a paper **Nanotechnology in Horticultural crops** in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

Mrs. D.Saritha has published a paper **Nanotechnology in Horticultural crops** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mrs. D.Saritha has participated and presented a paper **Effect of bio-stimulants on growth, development and yield of Chilli (*Capsicum annum*)** in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

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Dr. N.MariaDas has participated in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

Dr. N.MariaDas has published a paper **Role of Agricultural Finance and Credit for enhancing the Farm Productivity** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Dr.K.KrishnaMohan has participated in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

Dr.K.KrishnaMohan has published a paper Genetic Analysis for Yield and its attributes in F2 generation in Blackgram (*Vigna mungo*) germplasm in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Dr.K.KrishnaMohan has published a paper **Effect of bio-stimulants on growth, development and yield of Chilli (*Capsicum annum*)** in International

Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Dr.K.KrishnaMohan has published a paper **Good Agricultural practices from Farm to Consumer** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Dr.K.KrishnaMohan has published a paper **Smart Agriculture** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Dr.K.KrishnaMohan has published a paper **Role of Agricultural Finance and Credit for enhancing the Farm Productivity** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr. G.Sreeramulu has participated in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

Mr. G.Sreeramulu has published a paper **A critique on Government's intervention towards Agricultural Development and Farmers' welfare** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Dr. K.Shanthi has participated and presented a paper **Variations in Enzyme activities during vermicomposting of various bio degradable wastes** in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

Dr. K.Shanthi has published a paper **Variations in Enzyme activities during vermicomposting of various bio degradable wastes** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr.G.Ashoka Chakravarthy has participated and presented a paper **Ensuing Biofuels** in the National Seminar on Emerging Trends and Prospects in Management of Agribusiness and Allied Sectors held on 1st November 2019 at Food and Agri Business School, Chevella.

Mr.G.Ashoka Chakravarthy has published a paper **Effect of bio-stimulants on growth, development and yield of Chilli (*Capsicum annum*)** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr.G.Ashoka Chakravarthy has published a paper **Good Agricultural practices from Farm to Consumer** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr.G.Ashoka Chakravarthy has published a paper **Smart Agriculture** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr.G.Ashoka Chakravarthy has published a paper **Role of Agricultural Finance and Credit for enhancing the Farm Productivity** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr.G.Ashoka Chakravarthy has published a paper **Pioneering Agri Business** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mr.G.Ashoka Chakravarthy has published a paper **Ensuing Biofuels** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Mrs. M. Bhargavi has participated and completed five days orientation training programme on IPM practices in major crops organised by CIPMC, Hyderabad under Human Resource Development programme of Government of India, Ministry of Agriculture and Farmers welfare, Directorate of plant protection Quarantine and storage, Faridabad, from 9th - 13th December 2019.

Mrs. J. Neeraja has participated and presented poster entitled as “ Biomass Supply Logistical Models for Economical and Sustainable Bioenergy Development” at 54th Annual Convention of Indian society of Agriculture Engineers (ISAE) International Symposium on Artificial Intelligence Based Future Technologies in Agriculture” from 7th - 9th January 2020 at Hyatt regency, Pune, Maharashtra .

Mr. G. Sreeramulu has participated in two day national seminar and training programme on Gandhian Ideals and Youth Leadership organised by NSS unit, St. Francis college for women, Hyderabad on 8th - 9th January, 2020.

Mr. G. Sreeramulu was recognised by Government of Telangana Medchal - Malkajgiri for his meritorious services rendered in the field of Red cross Society on Republic Day during the year 2019-20.

Mrs. D. Saritha has participated in Faculty Development Programme on RESEARCH METHODOLOGY organised by IQAC and Research Committee of Loyola Academy, Alwal, Secunderabad held on 28th January 2020.

Dr. K. Shanthi has participated in Faculty Development Programme on RESEARCH METHODOLOGY organised by IQAC and Research Committee of Loyola Academy, Alwal, Secunderabad held on 28th January 2020.

Miss. A. Kiranmai has participated in Faculty Development Programme on RESEARCH METHODOLOGY organised by IQAC and Research Committee of Loyola Academy, Alwal, Secunderabad held on 28th January 2020.

Dr. N. Maria Das has participated in Faculty Development Programme on RESEARCH METHODOLOGY organised by IQAC and Research Committee of Loyola Academy, Alwal, Secunderabad held on 28th January 2020.

Dr. K. Krishna Mohan has participated in Faculty Development Programme on RESEARCH METHODOLOGY organised by IQAC and Research Committee of Loyola Academy, Alwal, Secunderabad held on 28th January 2020.

Mrs. D. Saritha has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Dr. K. Krishna Mohan has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Miss A. Kiranmai has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Dr. K. Shanthi has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Mr. Swaraj Kumar has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Dr. N. Mariadas has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Mrs. T.K. Darshini has participated in an IOT workshop conducted by Vorton Techsolutions Pvt, Ltd. and has successfully completed advanced level on IOT technology and its application on 6th and 7th February, 2020 at Loyola Academy.

Mrs. D. Saritha has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Mr. Swaraj Kumar has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Dr. K. Shanthi has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Mrs. M. Bhargavi has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Mrs. J. Neeraja has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Miss P. Renuka has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Mr. Y. Satish has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Dr. A. Sai Harini has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Mr.G. Sreeramulu has participated in the Faculty Development Programme on “MOODLE”held on 14th and 15th February, 2020 at Loyola Academy, Alwal, Secunderabad.

Dr. A. Sai Harini nominated as an external expert for the walk in interviews for the selection of JRF/ JPF on 17.02.2020 at Institute of Forest Biodiversity, Dhullapally, Hyderabad.

Dr. K. Krishna Mohan nominated as an external expert for the walk in interviews for the selection of JRF/ JPF on 17.02.2020 at Institute of Forest Biodiversity, Dhullapally, Hyderabad.

IV. STUDENTS' ACTIVITIES:

Ms. P.Navya Pavani(111717012058) and Mr.Shaik Arshad(111717012090) have completed a one-month **Summer Internship in Biotechnology for Undergraduates** during 1st-31st May 2019 AT PJTSAU, College of Agriculture, Rajendranagar, Hyderabad.

Mr. M.Shiva kumar Reddy(111717012085) has completed project work as Intern on the topic **DNA extraction and SSR genotyping of 4 standard Finger millet varieties** from 29 April to 28 June 2019 at ICRISAT, Patancheru, Hyderabad.

Mr.S.V.Shriharsha(111717012092) and Mr.P.Hareesh(111717012089) have participated and presented a poster on **Conversion of biodegradable organic wastes into vermicompost and assessment of its nutritive value at 4th International Conference on Agriculture and Animal Husbandry at University of Hyderabad during 28-30August 2019.**

Mr.M.Shivakumar Reddy(111717012085) has published a paper **Variations in Enzyme activities during vermicomposting of various bio degradable**

wastes in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Ms. M.Santhoshi Harshitha (111717012035) has published a paper **Variations in Enzyme activities during vermicomposting of various bio degradable wastes** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Ms. M.Amulya(111717012002) has published a paper **Variations in Enzyme activities during vermicomposting of various bio degradable wastes** in International Journal of Research IJR Journal, Volume VIII, ISSUE X, Oct-2019(ISSN NO: 2236-6124) with 5.7 impact factor.

Final year students Lakshmi Shyamala, Y.Ruth Evangilin, Yy.Merlyn Malayka, Y.Sravani Reddy and S.Saharsha Reddy have visited Indian Rice Research Institute, ICRISAT campus, Patancheru to observe various research facilities on 10-07-2019.

2. PARTICIPATORY LEARNING

REPORT ON CULTIVATION OF CROPS IN STUDENT FARM IN THE ACEDAMIC YEAR 2019-20 (I SEMESTER)

LECTURER INCHARGE: DR. K. SHANTHI

SUBJECT: CROP PRODUCTION – II

CLASS: DAG - A

PRIMARY TILLAGE: One deep ploughing as primary tillage was taken up by using mould board plough.

SECONDARY TILLAGE: Land is ploughed to break the clods by using cultivator. Later leveling was taken up by using leveling blade

Preparation of individual plots:



Allotment of plots:

The land was divided into plots of 9m² and students were assigned with the plot and the crop to be grown. Recommended dose of FYM and fertilizers were incorporated in to their respective plots.



Date of land preparation: 8/7/2019.

Field layout:

6,30 groundnut	13,37 Linseed	20,43 Soyabean	48 Cotton
5,29 Mesta	12,36 Mesta	19,42 Mesta	37,39 Cotton
4,28 Sesame	11,35 Sesame	18,41 Sesame	24,94 Sesame

3,27 Sun hemp	10,34 Sunhemp	16,40 sunhemp	23,46 Sunhemp
2,26 Castor	9,33 Castor	15,39 Castor	22,45 Castor
1,25 Sunflower	7,31 Sunflower	14,38 Sunflower	21,44 Sunflower

List of the crops cultivated:

1. Sunflower
2. Castor
3. Mesta
4. Ground nut
5. Cotton
6. Sunhemp
7. Sesame

DATE OF SOWING: 11-7-2019

The seeds were sown in their respective plots by the students by following recommended spacing.



All the agronomic practices were taken up by the students including weeding, irrigation and appropriate plant protection measures.

Weeding



Harvesting:

Short duration crops like Mesta was harvested as and when they have reached maturity. And long duration crops like sunflower, castor were harvested, sundried and stored.



Report on activities performed in students' farm in the subject Crop production – 2

Primary tillage – It was performed by mould-board plough on 10/06/2019. It was done thoroughly to obtain good pulverized condition of the soil.

Secondary tillage – It was performed by using rigid type cultivator on 17/06/2019. It was performed to obtain finer tilth.

Activities of students in the student's farm

Students first prepared a layout of the farm and divided it into plots of 3 meters width and 3 meters length (9 sq. meters). The plots were assigned to students by Dr. K. Shanthi according to their roll numbers.

Roll numbers - 111717012049 - 102

49,50 SUNFLOWER	64,65 SUNHEMP	78,79 COTTON	93,94 CASTOR
51,52 SUNFLOWER	66,67 SUNHEMP	80,81 COTTON	95,96 GROUNDNUT
53,54 SUNFLOWER	68,69 SUNHEMP	82,83 COTTON	97,98 GROUNDNUT
55,56 SUNFLOWER	70,71 SUNHEMP	84,85 COTTON	100,101 GROUNDNUT
58,59 SUNFLOWER	72,73 MESTA	86,88 CASTOR	57,102 GROUNDNUT
60,61 SUNFLOWER	74,75 MESTA	89,90 CASTOR	85,89 NIGER
62,63 SUNFLOWER	76,77 MESTA	91,92 CASTOR	92,94 SOYABEAN

Each plot was assigned to two students so that they learn to work together and in the process learn the practices involved in the cultivation of different crops. After completion of the layout the students were assigned crops to raise in their respective plots. The students prepared the plots as prescribed for cultivating the crop like incorporation of farm yard manure, application of basal dose fertilizers and their thorough incorporation, preparing ridges and furrows or levelling of plot for line-sowing. Then the treated seeds were sown in the plots on 24/06/2019 and irrigation was provided. In most of the plots germination was observed around one to two weeks after sowing. Then irrigation was provided around 4 to 7 days interval based on crop. Sometimes as there were frequent showers during the crop growing period irrigation was halted and whenever the soil moisture was less than optimum irrigation was provided. Biometric observations were taken first on 20/8/2019 with parameters like fresh and dry weight analysis, height, number of leaves, leaf area estimation, etc. Hand-weeding was done regularly at 15 to 20 days interval. Necessary intercultural operations such as thinning, gap-filling, earthing-up were done specific to crops. Top dressing of subsequent doses of fertilizers was done for recommended crops. Second biometric observations were taken for the same parameters on

13/09/2019. Harvesting operation of crops was performed based on the maturity symptoms and harvesting indices of the specific crops.

Land Preparation



Individual plot preparation



Incorporation of Farm Yard Manure



Levelling of plots



Preparation of ridges and furrows



Sowing and covering of seeds in the plot



Harvesting of crop



LIST OF STUDENTS HIGHER STUDIES (2018-19)

S NO	UID NO	NAME	PROGRAMME	UNIVERSITY
1	111715012001	A.ARUNAPRABA	M.Sc. Agriculture	Lovely Professional University, PUNJAB
2	111715012031	S.SAILAJA	M.Sc. Agriculture	Lovely Professional University, PUNJAB
3	111715012012	G.RAJITHA	M.Sc. Agriculture	Lovely Professional University, PUNJAB
4	111715012013	G. SIRISHA	M.Sc. Agriculture	Lovely Professional University, PUNJAB
5	111715012002	A. SRIJANA	M.Sc. Agriculture	Lovely Professional University, PUNJAB
6	111715012038	VICTORIA JOAN JOHNSON	M.Sc. Agriculture	Lovely Professional University, PUNJAB
7	111715012040	PRAVALLIKA	M.Sc. Agriculture	Lovely Professional University, PUNJAB
8	111715012018	K. SWETHA	M.Sc. Agriculture	Lovely Professional University, PUNJAB

9	111715012029	P. SAI LATHA	M.Sc. Agriculture	SHUATS, ALLAHABAD
10	111715012020	M. AKHILA	M.Sc. Agriculture	SHUATS, ALLAHABAD
11	111715012024	M. KEERTHI	M.Sc. Agriculture	SHUATS, ALLAHABAD
12	111715012043	A. DIVIJ REDDY	M.Sc. Agriculture	SHUATS, ALLAHABAD
13	111715012044	B. NOEL SEBASTIAN	M.Sc. Agriculture	SHUATS, ALLAHABAD
14	111715012055	P. NAVEEN YADAV	M.Sc. Agriculture	SHUATS, ALLAHABAD
15	111715012047	G. SUDHEER BABU	Agri Businesss Management	MANAGE, RAJENDRA NAGAR, HYDERABAD
16	111715012059	S. AMARENDER REDDY	Agri Businesss Management	MANAGE, RAJENDRA NAGAR, HYDERABAD
17	111715012033	SHREYA UPADHYAY	Agri Businesss Management	INDIAN INSTITUTE OF PLANTATION MANAGEMENT, BANAGALORE
18	111715012041	ALBIN C. KURIAN	Agri Businesss Management	KERALA AGRICULTURAL UNIVERSITY, THRISSUR
19	111715012016	K. SRAVYA	Agri Businesss Management	NAARM, RAJENDRA NAGAR , HYDERABAD
20	111715012010	G. NIKHILA	MS	WESTERN AUSTRALIAN UNIVERSITY
21	111715012060	T. AKHILESHWAR RAO	Master in Global Food and Agricultural Business	UNIVERSITY OF EDELAIDE, AUSTRALIA
22	111715012062	M. NAVEEN REDDY	Master in Global Food and Agricultural Business	UNIVERSITY OF EDELAIDE, AUSTRALIA
23	111715012063	VISHWA TEJA REDDY	Master in Global Food and Agricultural Business	UNIVERSITY OF EDELAIDE, AUSTRALIA
24	111715012003	ANKITA SARKAR	PGDM	VISHWA VISHWANI COLLEGE OF SYSTEMS AND MANAGEMENT, HYDERABAD

LIST OF PLACEMENTS

UID NO	NAME	ORGANISATION	POST	SALARY
111715012019	L.VAISHANVI	TECH MAHINDRA	ASSOCIATE TECHNICAL SUPPORT	2.59 LPA
111715012057	JOHN VINAY	GOVERNEMENT, AP	VILLAGE SECRETARY, GUDIVADA	15,000 CONSOLIDATED FOR TWO YEARS(PROBATION PERIOD)
111715012009	G. AKHILA	AMAZON	QUALITY ASSOCIATE	2.5 LPA
111715012054	DANIEL SUKUMAR	AMAZON	TECHINCAL SUPPORT	2.5 LPA
111715012046	DANIEL CHINTHA	ENTREPRENEUR	PHOTOGRAPHER, FILM MAKING	50,000 PER MONTH
111715012017	K. DURGA BHAVANI	EKALAVYA ORGANIC AGRICULTURE POLYTECHNIC, GINGURTHY, TANDUR	TEACHING ASSISTANT	20,000 PER MONTH