

ANNUAL REPORT
College of Agricultural Technology
THENI



2019-20

College of Agricultural Technology
(Affiliated to Tamil Nadu Agricultural University)
(Accredited by ICAR, New Delhi)
Kullapuram, via -Vaigai Dam

Theni

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COLLEGE REPORT 2019-20

1 INTRODUCTION

College of Agricultural Technology, Theni is a pioneering institution of agricultural education in southern districts of Tamil Nadu, affiliate to Tamil Nadu Agricultural University, Coimbatore and Accredited by Indian Council of Agricultural Research, New Delhi.

CAT, THENI has been established by SREE KRISHNA EDUCATION TRUST with the benevolent effort Dr. K. Balaraman .Msc (Ag), PhD. Founder and Managing Trustee of Sree Krishna Educational Trust.and Mrs. Kanagavalli Balaraman , Founder and Joint managing Trustee for the cause of agricultural education and development of this region

The College has been established in the year 2010 and it is symbolically designated as CAT, THENI by the official records and the public. The campus is located in a calm natural surroundings with an extent of 153 hectares of land admits of hillocks with full of natural vegetations.

College celebrated 10th foundation day in a grand manner

ICAR Development Grant received from ICAR, New Delhi



CAT Vision

The vision as envisaged by the Founder and Managing Trustee of CAT, Theni is to develop this institute as a National Centre of Global focus with reputation for Academic Excellence in Agricultural Education and research that catalyst knowledge based agricultural growth and development

CAT Mission

CAT, Theni is dedicated to offer quality teaching in Agricultural sciences that inculcates expertise and talent for the development of the individual .Agricultural Education is the key to the prosperity of the region and the nation as a whole. The transformation that accrues through the quality of agricultural education may leads to overall well-being of the society.

Intensive research in the field of agricultural sciences may open new areas of development of food production and economic growth. Agricultural research in frontier areas widens the boundaries of knowledge and contributes the betterment of farming community.

CAT with missionary zeal may deliver high quality expertise and dedicated service to students and farming communities in all aspects of agriculture and allied activities leading to social, economic and national development.

Mandate of CAT

CAT, Theni aims to bring out the best in academic and sports talents in students and providing an opportunity to develop all round personality

- To develop the students' skill to have self employment
- To develop entrepreneurship and establish agriculture as commercial one
- Marketing the agricultural product with value addition
- To make students well aware of the latest agriculture developments and place the student in the productive establishments in private, public and corporate sector.

Logo of CAT

Logo of CAT consists of a wheel with spikelet of grains and a beam of radiant energy from sun with a seed just emerging out. It indicates the multitudes of agro-technologies from seed to grain with wheel as symbol of mechanization. The Light energy from sun is the Universal source of exittance of life on Earth. The log reveals the prosperity to humanity lie on "empowering of agriculture"

2 .ACADEMICS, EDUCATION AND RESEARCH

- **Course offered** : B.Sc. (Hons) (Agriculture)
- **System of Education:** The Pattern of instruction and evaluation in the college is the “Semester course credit system” with English as the medium of instruction. Total number of students admitted to CAT, Theni is 120.Of which 65% of the sanctioned admission capacity will be admitted through Tamil Nadu Agricultural University single window system counseling and the remaining 35% will be admitted directly by CAT, Theni management by following the Tamil Nadu Agricultural University Admission eligibility norms

Academic Council:

CAT, Theni Academic council formulates the Academic aims of the college, oversees the quality of the education in the college, monitors the learning process and modifies It to suit the requirements of the students and their employability in job and entrepreneurial markets and establishes such policies that will promote all these.

The academic council is responsible for matters relating to the teaching, learning and research functions of the college, the establishment of college objectives and priorities, the development of long term and short term plans and the effective use of resources in the course of these pursuits.

This council enables the preparation of time bound master plan for developing and introducing various degree /diploma programmes in accordance with the objectives of Sri Krishna Education Trust and monitors its implementation. It is the policy-making body for the college in such areas as curriculum, quality of instruction, and admission policies that affect the academic life of the college.

Besides, this council benchmarks the learning and teaching process in the college against National and International standards of excellence and ensures continuous quality enhancement which is underpinned by leading –edge developments in Pedogogy, research and scholarship. The academic council also makes research and

development and outreach policies in Agriculture and allied fields and enables programme development for achieving them.

The Academic committee shall include the following as members

- Chairman and Managing trustee
(Or on his behalf one of the members of the board of Trustee nominated by him specifically for this purpose)
- Any one of the Deans nominated by TNAU
- Secretary ,CAT, Theni(Ex-officio)
- Dean , CAT, Theni(Ex-officio)
- All Heads of Departments of CAT, Theni

Academic Committee

The Academic committee shall include the following members

- **Chairman:**
- **Executive members :**
- **Committee members:**

Academic Officials

- **Dean i/c /Principal :**
- **Academic Coordinator :** Dr.R.Surendar
- **Examination Coordinator :** Dr.R.Gopalakrishnan,
- **Staff Advisor:** Dr.M.Jeyalakshmi
- **Deputy warden (Boys hostel):** Mr.M.Arulsamy, Mr.G.Duraisamy
- **Deputy warden (Girls hostel):** Dr.A.Suganthi , Ms.C.Krithika

2.1 Curricular Activities

Students admission during 2019-20

S. No.	Name of the course	University Admission	Management Admission	Total
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		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc. (Ag.)	28	50	78	21	21	42	49	71	120

S. No.	Name of the course										
		OC	BC	MBC	BCM	SC	ST	TOTAL	TN	OTHE R STATE	total
1.	B.Sc. (Ag.)	13	56	28	3	17	1	120	106	14	120

2.2 Details of students studying during the year 2019-20 B.Sc. (Agri)

S. No.	Year	No. of students studying		
		Boys	Girls	Total
1.	I (2019)	49	71	120
2.	II (2018)	46	73	119
3.	III (2017)	51	52	103
4.	IV (2016)	24	30	54
TOTAL		170	226	396

2.3 Students Pass percentage

No. of students appeared in the final year			Total no. of students passed			Pass percentage		
boys	girls	total	boys	girls	total	boys	girls	overall
20	28	48	17	28	45	85	100	94

2.4 Details of Scholarship availed by the students during the year 2019-20

S. No.	Particulars	No. of students availed (UG)	scholarship Amount (Rs.)
1.	Adi-Dravidar Welfare Higher Education Special Scholarship	13	36,200
2.	BC and MBC Scholarship	-	
3.	Chief Minister Award (UG)	-	
4.	Tuition fee concession to first graduate students	21	4,20,000

2.5 Staff Position

Principal	Dr.P.Nagarajan	Feb 2020 onwards
Principal i/c	Dr.S.J.Aruna	Jan 2020
Principal	Dr.R.Sankaranarayanan	June.2019 to Dec.2019
Dean i/c	Dr.M.Theradimani	Upto May 2019

Teaching Staff

S.No	Department	Disciplines	Asstt.Prof
1	Department of crop Management	Agronomy	Dr. R.Jayajothi Mr.T. Srinithan Mr.G.Duraisamy Dr.Balasubramaiaam (Prof. Visiting)
		Soil Science& Environmental Science	Dr. M.Manimaran Dr. R.Elagovan Ms.C.Krithika Ms. C. Kiruba Mrs.Jeevika Dr.S.Mani (Prof. Visiting)
		Physiology & Microbiology	Dr. S.J.Aruna Mr. M. Raveendran

		Agriculture Engineering	Er.Navaneetha PAndian Er.A.Sivarajan
		Animal Husbandry	Dr. B. Muruganandham, , (Prof. Visiting)
2	Department of Crop Improvement	Plant Breeding & Genetics	Dr. R.Surendar Dr. R.Naveen Dr.M.Kanimolimathivana
		Seed technology	Dr. R.Suganthi
3	Department of Horticulture and Food Science	Horticulture	Dr. C.Sankar Dr.M.Amman Mr.Janarthanan Ms.Kanjana Ms.NirmalaDevi
		Food Science	Dr. P. Saravanan
4	Department of Social Science	Extension	Dr. M.Jayalakshmi Dr.V.Balamurugan Dr.M.Priyadarshini
		Economics	Dr.M.Sathaiah Ms. A.Narmatha
		Statistics	Ms.Vishnadevi
		Tamil	Dr. Kalaimukilan(V,F)
		English	Mr.Saravanakumar(V.F)
		Comp. Science	Er.Manikandaraja
		Physical education	Ms.R.Rajitha Mr. S.Sarath Kumar
		Computer Science	Er.R.Manikanda Raja
5	Department of Plant protection	Entomology	Dr.R.Gopalakrishnan Dr.K.Deepa Dr. Murugesan, Professor (ENT), (Prof. visiting)
		Pathology	Mr.M.Arulsamy Ms.P.Brindha Dr.S.Mohan, Professor (PAT), (Prof. visiting)

Non teaching Staff

S.No.	Name of the staff	Position held
1	Mr. Ranadeepan	Technical Assistant – Exam Cell
2	Mr. K.Saravanakumar	Lab Technician
3	Mrs. C.Muthulakshmi	Lab Technician
4	Mr. T.Muthuvel	Lab Technician
5	Mr. S.Ramkrishnan	Lab Technician
6	Mr. Dineshkumar	Lab Technician
7	Mr. T.Thirugnanam	Office Assistant
8	Mr. E.Selvaraj	Office Assistant
9	Mr. R.Satheeshkumar	Librarian
10	Mr. T.Nijanth	Field Manager
11	Mr. R.Pandiyarajan	Farm Manager
12	Mr. T.Abimannan	Supervisor
13	Mr. Veera	Hostel Assistant (Boys hostel)
14	Ms. Murugeswari	Hostel Assistant (Girls hostel)
Supporting staff		
16	Mr. R.Rajangam	Driver
17	Mr. N.Anandhan	Driver
18	Mr. T.Ariram	Driver
Administrative staff		
19	Mr. S.Sundar	Administrative Officer
20	Mrs. K.Eswari	Accountant
21	Ms.M.Vijayalakshmi	Accountant
Estate maintenance		
21	Er. Thazhavanan	Civil Engineer
22	Er. Rakesh	Civil Engineer

2.6 Courses / Subjects Offered

ODD semester

I Semester (2017 syllabus)

S. No.	Course code	Course Title	Credit Hours	Course Teachers
1.	AGR 101	Fundamentals of Agronomy and Agricultural Heritage	1+1	Dr.R.Balasubramanian
2.	BIC 101	Fundamentals of Plant Biochemistry	2+1	Mr.J.Mohanaprasath
3.	SAC 101	Fundamentals of Soil Science	2+1	Dr. R.Elangovan
4.	FOR 111	Introduction to Forestry	1+ 1	Mr.T.Srinithan
5.	ENG 101	Comprehension & Communication Skills in English	1+1	Mr.SaravanaKumar(VF)

6.	HOR 111	Fundamentals of Horticulture	1+1	Dr. M.Amman
7.	MAT 111	Elementary Mathematics	1+1	Ms. S. Viashnadevi
8.	PBG 101	Introduction to Agricultural Botany	1+1	Dr.R.Naveen
9.	AEX101	Rural Sociology & Educational Psychology	2+0	Dr. M.Priyadharshini
10.	TAM101/ ENG101	Ilakkiathil Velanmaiyum Arivial Thamizh Payanakkamum; / Development Education	0+1	Dr. M. Jeyalakshmi
11.	NSS 101	NSS	0+1	Dr. R.Elangovan Dr.A.Suganthi
12.	PED 101	Physical Education	0+1	Mr. A. Arivazhagan Mrs.R.Rajitha
13.	PED102	Yoga for human excellence	0+1	Mr. A. Arivazhagan Mrs.R.Rajitha
Total			12+9=21	

III Semester (2017 Syllabus)

S.No	Course No	Course Title	Credit Hours	Course Teacher
1.	AEN 201	Fundamentals of Entomology	2+1	Dr. R. Gopalakrishnan
2.	SST 201	Principles of Seed Technology	2+1	Dr. A. Suganthi
3.	AGR 201	Crop Production Technology – I (Kharif crops)	1+1	Ms. B. Priyanka
4.	HOR 211	Production Technology for Vegetables and Spices	1+1	Dr. C. Sankar
5.	ENS 201	Environmental Studies & Disaster Management	2+1	Ms. C. Kiruba
6.	AMP 201	Livestock and Poultry Management	2+1	Dr. B. Muruganatham (Visiting Faculty)
7.	AEC 201	Farm Management, Production & Resource Economics	1+1	Dr. V. Balamurugan
8.	SAC 201	Soil Resource Inventory	1+1	Ms. C. Kruthika
9.	FMP 111	Farm Machinery and Power	1+1	Ms. C. Kirubha
10.	PAT 201	Fundamentals of Plant Pathology	2+1	Ms. P. Brindha
11.	AGR 202	Study tour	0+1*	Ms. B. Priyanka

12.	NSS 101	National Service Scheme	0+1*	Dr. R. Elangovan Dr. A. Suganthi
13.	PED 101	Physical Education	0+1*	Mr. R. Arivazhagan Mrs. A. Rajitha
		Total	15+13=28	
	*Non – gradial courses compulsory courses			

V Semester (2017 Syllabus)

S.No.	Course No	Course Title	Credit hrs	Course Teachers
1.	ARM 301	ARM 301 - Entrepreneurship Development and Business Communication Management	(1+1)	Dr. M. Sathiah,
2.	PAT 301	Diseases of Field and Horticultural crops and their management – I	(1+1)	Dr. S. Mohan Visiting Professor
3.	SAC 301	Manures, Fertilizers and Soil Fertility Management	(2+1)	Dr. M. Manimaran
4.	PBG 301	Fundamentals of Plant Breeding	(2+1)	Dr. R. Surendar
5.	AGM 301	Agricultural Microbiology	(1+1)	Dr. S.J Aruna Asst. Prrofessor (AGM)
6.	AGR 301	Crop Production 1 (Kharif crops)	(0+2)	Mr. T. Srinithan
7.	AEN 301	Pests of Field crops and stored produces and their management	(1+1)	Dr. K. Deepa
8.	AGR 302	Rainfed Agriculture & Watershed Management	(1+1)	Mr. G. Duraisamy
9.	HOR 311	Post harvest management and value addition of fruits and vegetable crops	(1+1)	Mrs. R. Kanchana
10.	AEC 301	Agricultural Marketing Trade & Prices	(2+1)	Dr. V. Balamurugan
11.	APE 311	Protected Cultivation and Secondary Agriculture	(1+1)	Er. Sivarajan

VII Semester (2015 syllabus)

S.No.	Course No.	Course Title	Credit Hours	Course Teachers
1.	AEX 401	Rural Agricultural Work Experience	0+20	Dr.M.Jeyalakshmi
2.	AEX 402	All India Tour	0+1	Dr.M.Jeyalakshmi Dr.V.Balamurugan,
3.	APW 401	Project Work	0+3	Dr.M.Jeyalakshmi
		Total Credit Hours	0+24	

Even Semesters

II Semester (2017 Syllabus -Revised)

S. No.	Course code	Course Title	Credit hours	Course Teacher
1.	SWE 112	Soil and Water Conservation Engineering	1+1	Er.C.Kiruba
2.	CRP 101	Fundamentals of crop Physiology	2+1	Dr.A.Suganthi
3.	AEC 102	Fundamentals of Agricultural Economics	1+1	Dr.M.Sathaiah
4.	AEX 102	Fundamentals of Agricultural Extension Education	2+1	Dr. M. Jeyalakshmi
5.	FSN 111	Principles of Food Science and Nutrition	1+1	Mr.J.Mohana Prasath
6.	AGR 102	Introductory Agro-meteorology & Climate Change	1+1	Mr.T.Srinithan
7.	HOR 112	Production Technology for Fruit and Plantation Crops	1+1	Mr.R.Janarthanan
8.	RSG 101	Geo- informatics for Precision Farming	1+0	Dr. M. Manimaran
9.	AGM 101	Fundamentals of Microbiology	2+1	Dr.S.J.Aruna
10.	NSS 101	NSS	0+1*	Er.C.Kiruba Mr.J.Mohana Prasath
11.	PED 101	Physical Education	0+1*	Mrs.R.Rajitha Mr.S.Sarath Kumar
		Total	14+9=23	
		*Non-gradual courses compulsory courses		

IV Semester (2017 Syllabus -Revised)

Sl. No	Course No	Course Title	Credit Hours	Course Teacher
1	PBG 201	Fundamentals of Genetics	2+1	Dr. M. Kanimoli Mathivathana
2	AEX 201	Communication Skills and Personality Development	1+1	Dr. M. Priyadarshini
3	STA 211	Statistical Methods	1+1	Ms. S. Vishnaadevi
4	PAT 202	Principles of Integrated Plant Disease Management	1+1	Ms. P. Brindha
5	AEN 202	Management of Beneficial and Harmful Insects	2+1	Dr. K. Deepa
6	AGR 203	Crop Production Technology – II (<i>Rabi</i> crops)	1+1	Mr. G. Duraisamy
7	AGR 204	Farming System & Sustainable Agriculture	1+1	Dr. M. Saravanakumar
8	SAC 202	Problematic Soils and their Management	2+0	Ms. C. Krithika
9	HOR 212	Production Technology for Ornamental Crops, MAP and Landscaping	1+1	Ms. R. Kanjana
10	ANM 201	Introductory Nematology	0+1	Dr. K. Deepa
11	NST 201	Fundamentals and Applications of Nanotechnology	1+0	Dr. M. Manimaran
12	ERG 211	Renewable Energy and Green Technology	1+1	Er. A. Sivarajan
13	NSS 101	National Service Scheme	0+1*	Mr. J. Mohana Prasath Er. C. Kiruba
14	PED 101	Physical Education	0+1*	Mrs. A. Rajitha Mr. S. Sarathkumar
		Total	14+10=24	
*Non – gradial courses compulsory courses				

VI Semester (2017 Syllabus -Revised)

S.No.	Course No	Course Title	Course Teachers
1	AEC 302	Agricultural Finance and Co-Operation	1.Mrs. A. Narmatha
			2.Dr. M. Sathaiah
2	PAT 302	Diseases of Field and Horticultural Crops and Their Management -II	1.Mr. M. Arulsamy
			2.Mrs. P. Brindha
3	COM 311	Agro Informatics	Mr. R. Manikanda Raja
4	ENS 301	Environmental Pollution and Management	Ms. C. Kiruba
5	AEN 302	Pests of Horticultural Crops and Stored Grain and Their Management	1.Dr. R. Gopalakrishnan
			2.Dr. K. Deepa
6	AGR 304	Principles of Organic Farming	1.Mr. G. Duraisamy
			2.Dr. R. Balasubramanian
7	ABT 301	Plant Biotechnology	Dr. R. Naveen
8	PBG 302	Crop Improvement	Dr. R. Surendar
S.No.	Course Code.	Optional Course	Course teachers
1.	CRP 351	Physiological Techniques in Crop Production	Mr. M. Vetrivel
2.	SST 351	Seed Entrepreneurship Skill Development and Management	Dr. V. Marthandan
3.	AGR 351	Weed and Water Management	Dr. R. Jeyajothi Asst. Professor (AGR.)
4.	AGM353	Microbial Quality and Safety of Foods	1.Dr. S. J. Aruna
			2.Dr. P. Saravanan

VIII Semester (2015 syllabus)

S.No.	Course Code.	Course Title	Credit Hours	Course teachers
1.	AGR 401	Organic Farming	1+1	Dr. R. Balasubramanian Visiting Faculty
2.	PAT 401	Diseases of Horticultural crops and their management	2+1	Dr.M.Arulsamy
3.	AEC 401	Agricultural Finance, Banking and Co-operation	1+1	Mrs.A.Narmatha
4.	HOR 411	Production Technology of Flowers, Medicinal and Aromatic Crops	2+1	Ms.G.Nirmaladevi
5.	ENS 401	Climate Change and Disaster Management	2+0	Ms.C.Kiruba,
S.No.	Course Code.	Optional Course	Credit Hours	Course teachers
1.	SST 451	Seed entrepreneurship skill development and management	1+1	Dr.A.Suganthi Asst. Professor (SST)
2.	PBG 451	Plant Genetic Resources Collection, Conservation and Utilization	1+1	Dr.R.Naveen
S.No.	Course Code.	Experiential Learning - I	Credit Hours	Course teachers
1.	EXP 401	Composting Technology	0+5	Dr. M.Manimaran
2.	EXP 401	Commercial Beekeeping	0+5	Dr. R.Gopalakrishnan
3.	EXP 401	Managerial Skills for Agribusiness	0+5	Dr.M.Sathaiah
S.No.	Course Code.	Experiential Learning - II	Credit Hours	Course teachers
1.	EXP 401	Commercial Plant Tissue Culture	0+5	Dr.R.Surendar
2.	EXP 401	Commercial Landscape Gardening	0+5	Ms.R.Kanjana
3.	EXP 401	Commercial Mushroom Production	0+5	Ms.P.Brindha Asst. Professor (PAT)
		Total Credit Hours = 9 + 15		

2.7 DEPARTMENT ACTIVITIES

2.7.1 Department of crop Management

Agronomy

1. Weather Data

S. No	Year	Month	Mean Maximum Temperature (°C)	Mean Minimum Temperature (°C)	Mean Relative Humidity (%)	Mean Rainfall (mm)	Evaporation (mm)
1.	2019	June	32	29	79	2.5	4.1
2.		July	34	27	81	-	3.8
3.		August	31	30	75	16.1	4.5
4.		September	32	28	76	12.5	5.2
5.		October	33	31	80	24.8	4.9
6.		November	34	29	85	12.3	4.8
7.		December	33	27	88	-	5.1
8	2020	January	32	28	90	-	5.4
9		February	35	29	85	-	5.8
10		March	37	31	88	-	6.0
11		April	38	33	87	2.7	6.2
12		May	35	30	84	-	6.4
			Mean	33.8	29.3	83.2	11.8

Crop Cafeteria

1. Sowing (*Kharif* season) -30.09. 2019- 12.02.2020

Crop cultivated Cereals, millets, pulses, oil seeds, fibre crops, green manures and vegetables

2. Farm activities (Farm manager / Agronomy AP)

S.No.	Crop	Area covered
1.	Paddy	9 acres
2.	Green gram	2 acre
3.	Black gram	2 acre
4.	Sunflower	0.5 acre
5.	Redgram	0.62 acre
6.	Castor	0.60 acre
7.	Tomato	0.5 acre
8.	lab lab	0.60 acre
9.	Small Onion	0.50 acre
10.	Brinjal	0.40 acre
11.	Chillies	0.40 acre
12.	Curry leaf	0.62 acre
13.	Papaya	2 acre
14.	Drumstick	0.5 acre

3. Academic activities

S.No	Course No	Course Teacher	Outdoor visited
1	I semester AGR 101 - Fundamentals of Agronomy and Agricultural Heritage (1+1)	Dr.R. Balasubramanian Visiting faculty	-
2.	AGR 202- Short tour (0+1)	Mr. G. Duraisamy	-Visited all southern Tamilnadu viz., Dindigul, Trichy, Coimbatore, Puthukottai,Ramnad, Kanyakumari,Tirunelveli and Srivilliputhur
3.	AGR 203- Crop Production Technology of Kharif crops	Mr. G. Duraisamy	-
3.	AGR 301 – Crop production I	Dr. R. Saravana kumar	Total No.of students =103 Each students = 5 cents Harvested 6770 kg of paddy grains Rs 93000/-
4.	AGR 303 – Crop Production II	Mr. Sreenithan	Total No.of students =103 Each students = 5 cents Harvested 350 kg of Groundnuts Rs 30800/-
5.	FOR 111-Forestry	Mr. Sreenithan	- Visit to Horticultural Research Station Ooty
6.	AGR 304 – Principles and practices of cropping and farming system (1+1)	Dr. R.Jeyajothi	-
7.	AGR 204 Farming system and Sustainable Agriculture (1+1)	Dr. R.Jeyajothi	-
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8.	AGR 401 Organic farming (1+1)	Dr.R. Balasubramanian Visiting faculty	-
8.	PRJ 401 – Project work	Dr. R.Jeyajothi	- Efficacy of different foliar spray on Black gram - No.of students : 8
	<u>Agricultural Engineering I semester</u> FMP 211 – Farm Machinery and Power (1+1)	Er.A . Sivarajan	-
	APE 311 Protected cultivation and Secondary Agriculture (1+1)	Er. A. Sivarajan	- Visit to Ottanchatram – indo isrel pjoect centre - Horticultural Research Station Ooty
	<u>II semester</u> - SWE- 112 Soil and Water conservation Engineering (1+1)	Er. C.Kiruba	-
	- ERG 211 Renewable Energy and green technology (1+1)	Er. A. Sivarajan	-
	- FPE 311 Post harvest and food engineering (1+1) -	Er. C.Kiruba	-
	- ENS 401 Climate change and Disaster management (1+1)	Er. C.Kiruba	-

4. Guest lecture arranged:

1. Dr. G. Kathiresan, Principal, TRIAD, Perambalur, Dept.of Agronomy – 26.07.2019
2. Dr. R. Palani Selvam, Asst. Professor, Bio energy (AC & RI, MDU) - 26.04. 2019
3. Dr. R. Palani Selvam, Asst. Professor, Bio energy (AC & RI, MDU) - 08.06. 2019

4. Dr. K. Vijayakumar , ARS, Scientist, Cuttack , Orissa – 07.08.2019

SOIL SCIENCE AND AGRICULTURAL CHEMISTRY -Department Activities

1. A research project entitled “Field Evaluation of Organics on Crop Promotion of Banana” to a tune of 2.68 lakhs sponsored by United Alacrity India Ltd., Chennai.
2. A short term course is offered to the candidates for about 1 month in the title “Analytical Techniques on Soil, Water, Plant and Fertilizer” to a budget of 0.25 lakhs sanctioned by SPIC, Tuticorin.
3. Mobile Soil Testing Laboratory has been brought from SPIC, Industries, Tuticorin on the eve of celebrating World Soil Day on 05-12-2019
4. Best Teacher Award – 1st prize offered by CAT, Theni on 10th Foundation Day 2019 to Dr. M.Manimaran, Associate Professor on Aug 15th, 2019
5. Best Trainer Award – 2018 offered by VAPS, Madurai to Dr. M.Manimaran on 28-12-2019

6. Courses Handled

- i. SAC 301 – Manures, Fertilizers and Soil Fertility Management (2+1) to 2017 Batch
- ii. NST 301 – Fundamentals and Applications of Nanotechnology (1+0) to 2017 Batch
- iii. RSG 101 – Geoinformatics for Precision Farming (1+0) to 2019 Batch

7. A Tamil paper entitled “Pirachani kuriya man vagaikalum avatrai nivarthi seiyum muraigalum” published by Dr. M.Manimaran, Associate Professor on the eve of celebrating World Soil Day in the proceedings of SPIC industries on Dec 2019

8. Dr. M.Manimaran, Associate Professor attended Sensitization Training for the Teaching Staff from 26th February to 28th February, 2020.

9. Dr.R.Elangovan, Assistant Professor, Published article entitled “Impact of climate change on farming community and adaptation measures in semi-arid region of TamilNadu “in International Journal of Chemical studies, 2020: 8(6) : 2804-2809.

10. Courses Handled

- i. SAC 302- Crop and Pesticide Chemistry (2+1)

ii.SAC 101- Fundamentals of Soil Science (2+1)

iii.SAC 201 Soil Resource Inventory (1+1)

11. Er.Ms.C.Kiruba, Assistant Professor (Environmental Science)

Courses Handled

- i. ENS 201-Environmental Studies and Disaster Management (2+1)
- ii. ENS 301- Environmental and Pollution Management (1+1)
- iii. ENS 401- Climate Change and Disaster Management (2+0)

PLANT PHYSIOLOGY AND MICROBIOLOGY

Department Activities:

1. COURSES OFFERED

Odd Semester				
1.	AGM 301	Agricultural microbiology	1+1	Dr.S.J.Aruna
2.	AGM 353	Microbial quality and Safety of foods –unit course (1+1)	1+1	Dr.S.J.Aruna Dr.P.Saravanan
3.	PRJ 401	Agricultural Project work	0+3	Dr.S.J.Aruna(VII & VIII sem)
Even Semester				
4.	EXP 401	Experiential learning Bioinoculants Production Technology	0+4	Dr.S.J.Aruna
5.	AGM 101	Fundamentals of Microbiology	2+1	Dr.S.J.Aruna
6.	CRP 101	Fundamentals of Crop Physiology	2+1	Mr.Vetrivel

2 .PROJECT GUIDED

Topic: Studies on Effect of Azolla extract on Growth of Vegetables-(Tomato-PKM 1)

Students: Arunkumar M(2016021004),Gayathri D(2016021010), Hermon S (2016021013),
Naveen kumar S(2016021023), Preethi V(2016021034), Roshan Sharmila A(2016021038),
Tharani N (2016021048).

3. PUBLICATIONS

S.J.Aruna- Traditional Street Foods of Madurai – A Store House of Bacteria- Tathapi

ISSN: 2320-0693 (UGC Care Listed Journal)

Vol-19-Issue-8-April-2020

S.J.Aruna - Frozen Sea Foods – Hot Spot Of Bacteria- Frozen Sea Foods – Hot Spot Of Bacteria

4. DEPARTMENT ACTIVITIES/Outdoor visits /Webinar

S.No	Date	Visit /Webinar	Course	Course Teacher
1.	17.12.19	Bio fertilizer Mass Production Unit, AC&RI, Madurai Bio control agents mass production unit, AC&RI, Madurai	Agricultural Microbiology(1+1)	Dr.S.J.Aruna
2.	08.02.20	Raj shree Sugar mills –compost yard Raj shree -Bio solutions,Bio fertilizer Production unit, Varadharaj Nagar	Agricultural Microbiology(1+1)	Dr.S.J.Aruna
3	09.07.20	Webinar: 'The Insights of Palm Tree'		Dr.S.J.Aruna

5. Azolla Production

In this unit the students are given exposure on Azolla cultivation. Azolla produced are used in the CAT,farm for feeding the cattle ,Sheep and poultry and fishery. On an Average 100 kg Azolla produced every month.

2.7.2 DEPARTMENT OF CROP IMPROVEMENT

Plant Breeding and Genetics And Seed technology

1. Academic activities:

Courses offered (Monsoon semester (Odd semester))

S. No	Course Code	Course Title	Credit Hours	Batch	Course Teacher
1.	PBG 101	Introduction to Agricultural Botany	1+1	2019	Dr. R. Naveen
2.	PBG 301	Fundamentals of Plant Breeding	2+1	2017	Dr. R. Surendar
3.	SST 301	Seed Quality Regulation and storage	1+1	2018	Dr. A. Suganthi
4.	APW 401	Agricultural Project work	0+3	2016	Dr. Kanimolimathivathana

Courses offered (Pongal semester (Even semester))

S. No	Course Code	Course Title	Credit Hours	Batch	Course Teacher
1.	PGR 401	Plant Genetic Resources, Collection, Conservation and Utilization	1+1	2016	Dr. R. Naveen
2.	EXP 401	Experiential Learning (Commercial Plant Tissue Culture)	0+5	2016	Dr. R. Surendar
3.	PBG 201	Principles of Genetics and Cytogenetics	2+1	2018	Dr. Kanimolimathivathana
4.	PBG 302	Crop Improvement	2+1	2017	Dr. R. Surendar
5.	ABT 301	Plant Biotechnology	2+1	2017	Dr. R. Naveen
6.	SST 451	Seed Entrepreneurship Skill Development and Management	1+1	2016	Dr. A. Suganthi

2. Project Guided: APW 401 Agricultural Project work 0+3
 Staff: Dr. Kanimolimathivathana
 Students: 2016 Batch

2.7.3 DEPARTMENT OF PLANT PROTECTION
Entomology and Pathology

1. Department Activities:

S.No.	Date	Activities	Staff incharge
1.	05-01-2020	Visit and demo conducted in tomato farmer veppan patti village-ADA office-Chinnamanur.	Dr.R.Gopalakrishnan
2.	21-02-2020	Visit to farmer field and demonstration in brinjal and maize field Kuchanoor village.	Dr.R.Gopalakrishnan
4	13-2-19	Visit to Horticultural Research Station-Ooty	Ms.P.Arulkodi
5	24-2-19	Visit to Vibis Apiary processing unit- Kadachanenthal –Madurai	Dr.R.Gopalakrishnan & Ms.P.Arulkodi
6	2-4-19	Attended the ADA-Office chinnamanur rice farmer to discuss harvest and storage the food grains- Chinnamanur	Dr.R.Gopalakrishnan
7	3-6-19	Visit to moringa field and collected the pest affected specimen- Chandrapuram	Dr.R.Gopalakrishnan
8	17-6-19	Visit to jayamangalam area collect the pest affectes specimen in banana field.	Dr.R.Gopalakrishnan
9	3-9-19	Demo conducted in chinnamanur area in VSP students –discuss the trichogramma egg card in sugarcane farmers.	Dr.R.Gopalakrishnan
10	2-12-19	Field visit and demo in groundnut farmer ADA- Attachment.	

2. Academic activities:

S. No	Course code	Course Title	Credit hours	Batch	Course teachers assigned
1	AEN201	Fundamentals of Entomology	2+1	2018	Dr.R.Gopalakrishnan
2	AEN 301	Pests of field crops and stored produces and their management	1+1	2017	Dr.K.Deepa

3	AEN 202	Management of beneficial and harmful insects	2+1	2018	Dr.K.Deepa
4	AEN 302	Pests of horticultural crops and stored produces and their management	1+1	2017	Dr.R.Gopalakrishnan
5	ANM 201	Introductory Nematology	0+1	2018	Dr.K.Deepa
6	AEN 201	Fundamentals of Entomology	2+1	2019	Dr.K.Deepa
7	AEN 301	Pests of field crops and stored produces and their management	1+1	2018	Dr.R.Gopalakrishnan
8.	PAT 201	Fundamentals of Plant Pathology	2+1	2019	Ms.K.Hemanandhini
9.	PAT 301	Diseases of Field and Horticultural crops and their management –I	1+1	2018	Ms.K.Hemanandhini

3. Outdoor classes/ visits

S.No	Course code	Course Title	Place	Course teacher
1	AEN 302	Pests of horticultural crops and stored produces and their management	Kullapuram and Lotus garden orchard	Dr.R.Gopalakrishnan
2	AEN 301	Pests of field crops and stored produces and their management	Chandrapuram village and kullapuram.	Dr.R.Gopalakrishnan
3.	PAT 301	Diseases of Field and Horticultural crops and their management –I (1+1)	Kullapuram and Lotus garden orchard	Ms. K. Hemanandhini

4. Courses offered

S. No	Course code	Course Title	Credit hours	Batch	Course teacher
1	AEN 201	Fundamentals of Entomology	2+1	2019	Dr.K.Deepa
2	AEN 301	Pests of field crops and stored produces and their management	1+1	2018	Dr.R.Gopalakrishnan
3	PAT 201	Fundamentals of Plant Pathology	2+1	2019	Ms.K.Hemanandhini
4	PAT 301	Diseases of Field and Horticultural crops and their management –I	1+1	2018	Ms.K.Hemanandhini

5. Projects guided

SNo	Batch	Topic	Guide incharge
1	2016	Comparative efficacy of chemical insecticides and botanicals against brinjal shoot and fruit borer.	Dr.R.Gopalakrishnan

6...Other relevant information

- I. Responsibility (Dr.R.Gopalakrishnan):
 - Incharge of Honey bee hive management.
 - Incharge of Examination co-ordinator (Both Regular and Re-appearance)
 - Incharge of HOD-Plant Protection

- II. Responsibility (Ms. K. Hemanandhini):
 - Incharge of Mushroom production Unit & Spawn running room.
 - Incharge of Assistant Year Co-ordinator (2018 batch)

2.7.4 DEPARTMENT OF SOCIAL SCIENCES

1. Course & Course Details of Social Sciences (2019 – 20)

S.No	Course Code & Course Title	Credit Hours	Course Teacher
1.	AEX 101 – Rural Sociology and Educational Sociology	2+0	Dr.M.Priyadharshini Asst. Prof. (Agrl.Extn,)
2.	AEX 102 – Fundamentals of Agricultural Extension Education	2+1	Dr.M.Jeyalakshmi Assoc. Prof. (Agrl.Extn,)
3.	AEX 201 – Communication Skills and Personality Development	1 + 1	Dr.M.Priyadharshini Asst. Prof. (Agrl.Extn,)
4.	AEX 401 – Rural Agricultural work experience	0+20	Dr.M.Jeyalakshmi Assoc. Prof. (Agrl.Extn,)
5.	AEX 402 – All India Study Tour	0 + 1	Dr.M.Jeyalakshmi Asst. Prof. (Agrl.Extn,) Dr.V.Balamurugan Asst. Prof. (Agrl.Eco,)
6.	PRJ 401 – Project Work (AEX)	0 +3	Dr.M.Jeyalakshmi Assoc. Prof. (Agrl.Extn,)
7.	AEC 102 – Fundamentals of Agricultural Economics	1+1	Dr.M.Sathaiah Asst. Prof. (Agrl.Eco,)
8.	AEC 201 – Farm Management, Production and Resource Economics	1+1	Dr.M.Sathaiah Asst. Prof. (Agrl.Eco,)
9.	AEC 301 – Agricultural Marketing, Trade and Prices	1+1	Dr.V.Balamurugan Asst. Prof. (Agrl.Eco,)
10.	AEC 302 – Agricultural Finance, Banking and Cooperation	1+1	Mrs.A.Narmatha Asst. Prof. (Agrl.Eco,)
11.	ARM 301 – Agribusiness Management and Entrepreneurship	1+1	Dr.M.Sathaiah Asst. Prof. (Agrl.Eco,)
12.	AEC 401 – Agricultural Finance and Cooperation	1+1	Mrs.A.Narmatha Asst. Prof. (Agrl.Eco,)
13.	EXP 401 – Managerial Skills for Agribusiness	0+5	Dr.M.Sathaiah Asst. Prof. (Agrl.Eco,)
14.	PRJ 401 – Project Work (AEC)	0 +3	Dr.M.Sathaiah Asst. Prof. (Agrl.Eco,)

2. Course & Course Details of Physical Sciences (2019-20)

S.No	Course Code & Course Title	Credit Hours	Course Teacher
1.	TAM 101 – Ilakkiyangalil Velanmayum Ariviyal Tamil Payanakkamum	0+1	Dr.M.Jeyalakshmi Asst.Prof. (Agrl.Extn,)
2.	ENG 101 – Comprehension and Communication Skills in English	1+1	Dr.Saravanakumar Visiting Faculty

3.	ENG 103 – Development Education	0+1	Dr.Saravanakumar Visiting Faculty
4.	MAT 111 – Elementary Mathematics	1+1	Mrs.S.Vishnadevi Asst Prof (Statistics)
5.	STA 201 – Statistics methods	1+1	Mrs.S.Vishnadevi Asst Prof (Statistics)
5.	NSS 101 - National Service Scheme	0+1	Dr.R.Elangovan Asst.Prof. (Soil Sci,) Er. C.Kiruba Asst.Prof. (Engg,)
6.	PED 101 - Physical Education	0+1	Mrs. A.Rajitha Asst.Physical Director Mr.M.Sarathkumar Asst.Physical Director
8.	PED 102 –Yoga for Human Excellence	0+1	Mrs. A.Rajitha Asst.Physical Director Mr.M.Sarathkumar Asst.Physical Director

3. Research Project

Agricultural Extension (Dr.M.Jeyalakshmi)

About six students were involved in this research and the research topic is **“Adoption of Technologies by Coconut Growers in Theni District”**. In Theni district Periyakulam and Kadamalaigundu blocks were selected for its maximum area under Coconut with 40 farmers selected from three villages for this study considering the limitations and other resource. Ten independent variables and one dependent variable were selected for this study. They were measured using appropriate scales and techniques. Further the constraints encountered by the respondents in the adoption of recommended technologies were also analyzed. The data were collected through a well-structured interview schedule. The data collected were coded, tabulated, analyzed and applied appropriate statistical techniques for meaningful interpretation.

In this study, Majority of the respondents are middle age, had primary education practicing farming alone with nuclear family. Majority of the respondents had medium level of annual income, medium level of farming experience, medium level of social participation, medium level of Mass media exposure, Innovativeness and low level of Extension Agency Contact. Majority of the respondents had medium level of adoption (66.50 %) on recommended technologies in coconut.

With respect to constraints in adoption of technologies, water scarcity was the major constraints expressed by majority of the respondents. Other constraints were residual effects of pests and disease and lack of labours.

Agricultural Economics (Dr.M.Sathaiah)

About six students were involved in this research and the research topic is “**An Economic Analysis of Banana Cultivation in Theni District, Tamil Nadu**”. In Theni district, Theni, Chinnamanur and Cumbum blocks were selected based on the varieties grown like Nendran, Poovan and Grand Naine banana with 60 sample farmers from six villages selected for this study considering the limitations and other resource. The variables were measured using appropriate scales and techniques. The data were collected through a well-structured interview schedule. The data collected were tabulated, processed and subjected to statistical analysis.

In this study, major share of the sample farmers were middle aged and 89 per cent were literates. The farmers had rich experience i farming with about 67 per cent of the farmers having 11 to 30 years of experience. About 57 per cent of the sample farmers had agriculture as their sole occupation. More than 75 per cent of farmers had a family size of more than four. In terms of landholding, small farmers constituted 41 per cent, semi – medium farmers (26 per cent) and marginal farmers (22 per cent). About 43 per cent of farmers earned Rs. 0.90 -2.00 lakhs, followed by 36 per cent earned Rs. 2.01 – 5.00 lakhs.

Course No & Title: AEX 401 - Rural Agricultural Work Experience (0+20)

The RAWE course for the year 2019 - 20, the students’ strength is about 66 and they are attached with Assistant Director of Agriculture office, Village Stay Programme, Non-Governmental Organization and Agro industries. The details are as follows.

Assistant Director of Agriculture (ADA)

In this attachment students divided into 8 groups and each group attached with ADA office of various blocks viz., Theni, Kadamalaigundu, Cumbum, Bodi, Chinnamanur, Uthamapalayam, Periyakulam of Theni District and Dindigul block of Dindigul District. The students gained knowledge about the organization pattern of department of agriculture, objectives, roles and functions of each officer, role of staff in technology transfer, land utilization pattern, rainfall details, soil type, cropping pattern, crops grown, crops and varieties,

area, production and productivity of crops over ten years, irrigation sources, problems in agriculture, major crops, central and state government schemes, participation at farmers training programs, attending monthly zonal workshop of department of agriculture, visited department of agricultural marketing, pesticide and soil testing laboratories, seed certification office. Also gathered problems faced by extension workers in technology transfer and the registers maintained by the ADA office.

Village Stay Programme (VSP)

In Village Stay Programme, total students are divide into 8 groups. Each student covers single village in their respective blocks of Theni and dindigul districts along with contact farmers for about 60 days and collecting information on the village pattern, farmers details, major crops, climate, soil types, irrigation facilities for crops, pests and diseases of crops, technologies followed by the farmers, marketing, production and productivity of crops, culture of the people, religion, leadership pattern, participatory rural appraisal, farm mechanization, role of women and youth in agriculture, studying the different categories of farmers and farm women, farmers contact with extension agency, adoption of technologies by the farmers, cattle and poultry, indigenous technologies practiced by the farm people, problems faced by the villagers, etc. Also students' conducted various demonstrations related to organic farming, IFS, indigenous practices, pests and disease control etc, to farmers, visited research stations, farming units, industries and planted tree saplings for creating awareness about afforestation. Then they attended farmers training, meeting with ADAs, AOs, and AAOs and also conducted rally on various awareness programmes along with school children.

Non – Governmental Organization (NGO)

This phase was about 10 days students attached with various NGOs of CENDECT, Theni, NESAM Trust, Periyakulam, VIDIYAL, Bodi, General Movement for Rural Education and Environment (GREEN), Chinnamanur, Magalir Munnetra Sangam (MMS), Chinnamanur, Sangamum Trust, Cumbum, Vasandham Society, Kadamalaigundu and M.S.Swaminathan Research Foundation (MSSRF),Dindigul. In this attachment students learned history and hierarchical pattern of the concerned NGO, Objectives, vision/mission, roles and activities of various officials in the NGO, projects and its outcomes, Self Help Groups, Women empowerment, Development of Agri business and Agri clinics, implementation of

developmental programs and schemes, Participation in field demonstration with SHGs, impact of the schemes of NGOs, meeting the beneficiaries, Sources of funding, budget and utilization of funds, achievements of the NGO, problems handled by NGOs, studying various income generating activities done by SHGs and visited various stakeholders associated with NGOs for implementing the programs.

Agro - Industrial Tie-up Programme

The programme is for a period of 10 days and students are divided into 8 groups with 10 members in each group. They placed with various agro based industries viz., Shri Soundarya Herbotech Product, Chinnamanur, SMV Exports (Banana Exporters), Theni, Balasanka Dall Mills, Theni, Vajramala Agro Foods, Chinnamanur, Muthu Fibre Industry, Kadamalaigundu, Tilati Baba Coirs, Uthamapalayam, Om Sakthi Vegetables and Fruits, Chinnamanur and Top Anil Marketing Company, Dindigul to study the input delivery system, input storage system, processing plant, assembling, packaging and distribution system of the unit concerned. The students also discussed with the owners, managers in-charge of various departments of the firm about brief history of firm, nature of organization, scale of enterprise, trade names, production details, assessment of quality, output of main product and by –product, price fixation, problems etc,. Also students discussed with the supervisors and labourers within the firm and the various intermediaries involved in the supply chain of the agro based firm such as wholesalers, retailers and the service providers about various operation and issues pertaining to management of the business firm.

RAWE (2019 - 20)

Demonstrations to farmers regarding various Agricultural Technologies by RAWE students



RAWE (2019 – 20)

Demonstrations to farmers regarding various Agricultural Technologies by RAWE students



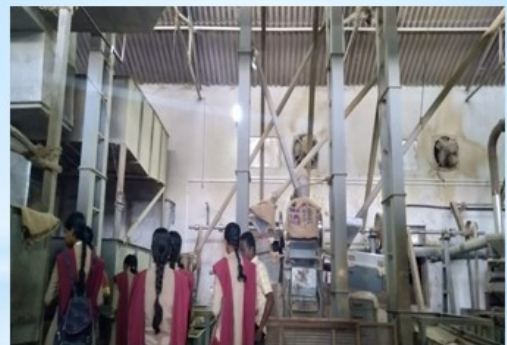
AGRO INDUSTRIAL TIE-UP PROGRAMME (2019 – 2020)

S.No	Name of the Firm	Particulars
1.	SMV Exports (Banana Exporters), Karumaripuram, Kamaiyakoundanpatti, Cumbum road,Theni-625521	Processing and Exporting the product
2.	<i>Shri Soundariya Herbotech Products,</i> <i>S.F.No.303/3, Pulikuthi-Ammapatti road,</i> <i>Markayankottai, Chinnamanur - 625515</i>	Procurement and processing of Aloe Vera
3	Vajramala Agro Foods, 25-B, Dhruka Industrial Complex, Ponnagaram Road, Chinnamanur, – 625515	Processing and marketing of product
4	Top Anil Marketing Company A-11/1, L.G.B. Compound , 3 rd street, Mengles road, Dindigul – 624 001. (T.N)	Manufacturing and Marketing of product
5	Balasanka Dall Mills 30, SIDCO Shed, Industrial Estate, Theni – 625601	Processing and marketing of product
6	Muthu Fibre Industry, Kadamalaigundu, Chinnamanur, – 625515	Procurement, Marketing and Export of fibres
7	Tilati Baba Coirs No 1639/1,Manikattialamaram road, Uthamapuram Cumbum-625 516	Procurement, Marketing and Export of coir
8	Om Sakthi Vegetables and Fruits, Near New bus stand, Swamykulam street , Chinnamanur.	Processing and exporting of product

Agro – Industrial Tie - up (2019 – 2020)



MILLING MACHINE



2.7.5 DEPARTMENT OF HORTICULTURE AND FOOD SCIENCE

1. Department Activities:

Students' Educational Tour:

- ❖ **17.10.2019** : Visit to Centre for Excellence of Vegetable, Reddiyarchathram, exposure visit to facilitate the Protected Cultivation in Vegetables for 2017 batch students

Staff In-charge: Dr. R. Sankar, Dr. M. Amman and R. Janathanan

- ❖ **14.11.2019:** Visit to Horticulture Research Station (Thandikudi) to impart the exposure on Cool Season vegetable crops for 2018 batch students.

Staff In charge: Mr. K. Udhayakumar

2. Academic activities:

Courses offered (Monsoon semester (Odd semester))

S. No	Course Code	Course Title	Credit Hours	Batch	Course Teacher
5.	HOR 211	Production Technology for Vegetables and Spices	1 + 1	2018	Dr. R. Sankar
6.	HOR 111	Fundamentals of Horticulture	1 + 1	2019	Dr. M. Amman
7.	HOR 311	Post-Harvest Management and Value Addition of Fruits and Vegetables	1 + 1	2017	Mr. R. Janarthanan
8.	HOR 411	Production Technology of Flowers, Medicinal and Aromatic Crops	2 + 1	2016	Ms. G. Nirmala Devi
9.	APW 401	Agricultural Project work	0 + 3	2016	Dr. M. Amman and Ms. R. Kanjana
10.	BIC 101	Fundamentals of Plant Biochemistry	2 + 1	2019	Mr. G. Mohana Prasath

Courses offered (Pongal semester (Even semester))

S. No	Course Code	Course Title	Credit Hours	Batch	Course Teacher
7.	HOR 112	Production Technology for Fruits and Plantation crops	1 + 1	2019	Mr. R. Janarthanan
8.	HOR 212	Production Technology of Ornamental, MAP and Landscaping	1 + 1	2018	Ms. R. Kanjana
9.	EXP 401	Experiential Learning II – Commercial Landscaping and Gardening	0 + 5	2016	Ms. R. Kanjana
10.	FSN 111	Principles of Food Science and Nutrition	1 + 1	2019	Dr. P. Saravanan

3. Project Guided: APW 401 - Agricultural Project work (0+3)

Project Title: Effect of Organic Manure and Bio-fertilizers on Growth Parameters of Periwinkle (*Cathranthus roseus* L.)

Staff: Dr. M. Amman and Ms. R. Kanjana

Students: 2016 Batch

2.8. Students Club Activities

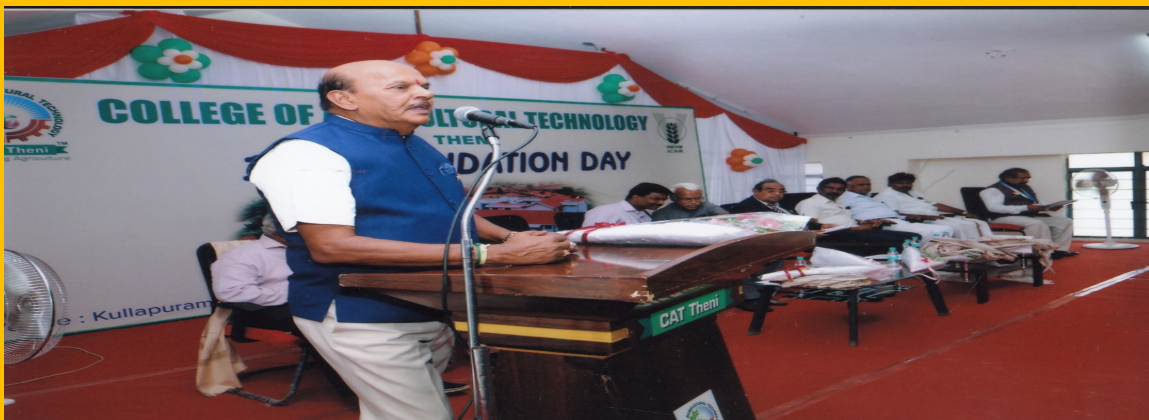
- **10th Foundation Day** was celebrated in a grand manner on August 15th, 2019. Dr.P.Murugesaboopathi, Former Vice chancellor, TNAU, Coimbatore be the Chief Guest. During the function release and presentation of Souvenir by our Chairman Dr.V.L.K.Balaraman, Chairman, CAT, Theni. Also the function was felicitated by Dr.C.Ramasamy, Former Vice chancellor, TNAU, Mr.M.Manivaasan, Board Member, TNAU, Mr.M.Ravichandran, Board Member, TNAU & CAT,Theni, Dr. V.Murugappan, Technical Advisor & Board Member, CAT, Theni and Dr. S. Prabhukumar, Zonal Coordinator, ICAR. Finally the function was completed with cultural events by the students.
- **Independence Day** was celebrated on 15.08.2019. Our beloved Chairman Dr.V.L.K.Balaraman hoisted the National Flag.
- **10th Students' Club Inauguration, Freshers' Orientation & Naming Day** was organized on 03.10.2019 Thursday. Dr. V.K.Paulpandi, Dean, AC & RI, Madurai has consented to be the Chief Guest and the function was presided over by Dr.R.Sankaranarayanan,

Principal, CAT, Theni. Students club consists of various societies like Dramatic Society, Tamil Mandram, English society, Arts and Photography, Trekking Club, Music Club, Nature Club and Book Reading were introduced. After that new name was given to fresher's year and then the freshers introduced themselves and put forth their dreams and ambitions.

- **Ms. Shifana Fathma** of III year, selected as Student Reporter in Ananda Vikatan Manava Pathirikkaiyalar Payirchi Thittam.
- **Food Fest** was celebrated in our campus on 27.11.2019 by conducting various fire cooking, fireless cooking, traditional cooking competitions for students. The students enthusiastically participated and won prizes.
- **Pongal Festival** was celebrated on 10.01.2020 in the college with the Traditional touch.
- Our Students participated in **TALENTIA' 2020 competition** at ACRI, Madurai on 21.02.2020 & 22.02.2020 and won third overall prize.
- Republic day was celebrated on 26.01.2020. Our Principal Incharge Dr.S.J.Aruna hoisted the National Flag.
- The grand **Thamizhium** function was celebrated categorizing Iyal, Isai and Nadagam on 11th of March 2020. Kavingar. N.Malarvizhi, Speaker from Nagerkoil has consented to be the Chief Guest. Off Stage events such as Viralhalal varudiya varigal, Edhirum pudhirum, Chithiramum kaipalagam, Vinadi vinaa, Tamil speech, essay competition, poem writing etc. are some of the event held during 9th March 2020 and on stage events such as Oyil attam, Sattai kuchiaattam, Maadattam, Puliattam, Karagam Naatupura nadanam, Pattimandram, Nadagam etc. are some of the on stage events held during Thamizhium. All the students has been participated effectively and efficiently during the function.

10th Foundation Day celebrations









Club Activities 2019 – 2020
10th Students' Club Inauguration, Freshers' Orientation & Naming Day– 03.10.2019



Food Fest – 27.11.2019



Pongal Festival – 10.01.2020



Republic Day-26.01.2020





TALENTIA' 2020, ACRI, Madurai - 21.02.2020 & 22.02.2020



Goat Fighting



Bharatham



Pattimandram



Oyilattum



2.9 .Sports Activities

S.NO	DATE OF EVENT	PARTICULARS	PLACE	PRIZE
3	17-11-2019 & 18-02-2019	Cricket practice matches conducted	CAT,campus	Winner CAT,Theni
4	19-11-2019 To 22-11-2019	ICT-ZONE-3 Cricket Tournament Conducted in our college. 6 colleges and 91 students Participated 1.Krisat,Usilampatti 2.STAC,Thirunelveli 3.NCAT,Ramanathapuram 4.SBAC&RF Karaikudi 5.Rvspch,Sempatti 6.CAT,Theni	CAT,Theni campus	winner CAT ,Theni
5	5-12-2019 To 6-12-2019	ICT-Inter Zonal Cricket Tournament held at TNAU-Coimbatore	TNAU- Coimbatore	Position Third
6	15-11-19 to 16-11-2019	Foot ball, basket ball, cricket practice match arranged	Medical college ,Theni	
7	20-12-2019 TO 24-12-2019	ICT-Tournament	TNAU- Coimbatore	Table Tennis Girls Runner
8	26.01.2020	Celebrated Republic day		
9	26.02.2020	District level sports meet (Nehru Yuva Kendra) Participated in volley ball (boys) Kho kho(Girls) kabaddi (Boys), Tennikoit (Girls)	Theni	Kho kho Girls runner and Tennikoit Girls runner
10	15.08.2020	Celebrated independence day		

DISTRICT KHO KHO TOURNAMENT - GIRLS RUNNER





ICT-TOURNAMENT TABLE TENNIS GIRLS RUNNER



ZONE-3 CRICKET MATCH WINNERS - CAT, Theni



INTER ZONAL CRICKET MATCH



2.10 Placement Details

Mr. A.Revanth Raghul	Plant Breeding & Genetics	ICAR JRF	Qualified
Mr. B.Boopathi	Plant Pathology	ICAR JRF	Qualified
Ms. P.Yazhini	Plant Pathology	ICAR JRF	Qualified
Ms. Karthigai Devi	Agril. Entomology	ICAR JRF	Qualified
Mr. K.Madhu Bharath	Soil Science	ICAR JRF	Punjab Agri. University
Mr. S.Aravinth	Plant Breeding & Genetics	ICAR JRF	Qualified
Mr. Syed Mohammed Ibrahim	Agril. Entomology	ICAR JRF	Qualified
Mr. V.Rakesh	Agril. Entomology	ICAR JRF	Qualified
Ms. Vannalu Bhaskar Keerthana	ABM	ICAR JRF	Qualified
Ms. S.Sumithra	Agril. Economics	ICAR JRF	Qualified
Ms. N.Dhanuja	PBG	ICAR JRF	Qualified
Mr. Raghul Chandra	Crop Physiology	ICAR JRF	Qualified
Ms. Surapraju Deepthi	ABM	ICAR JRF	Qualified

ICAR PLACEMENT OF CAT THENI STUDENTS IN THE YEAR 2019

PG Placement of CAT students at TNAU in the year 2019

Ms. Dhanuja	Plant Breeding and Genetics	TNAU, Coimbatore
Ms. A.Priyadharshini	Crop Physiology	TNAU, Coimbatore
Ms. Sruthi	Agril. Entomology	AC & RI, Madurai
Ms. Yazhini	Plant Breeding and Genetics	AC & RI, Madurai
Ms. Yogalakshmi	Plant Pathology	AC & RI, Madurai
Ms. Glory	Soil Science	AC & RI, Killikulam

BANK PLACEMENT AS ASSISTANT MANAGER / DPTY. MANAGER IN THE YEAR 2019

S.No.	Name of the student	Placed in	Year of Placement
1	R. Eswaran	Bank of Baroda	2019
2	Jerome Jose	Bank of Baroda	2019
3	T. Haritha	Canara Bank	2019
4	G.Pragadeeshwari	Canara Bank	2019
5	V.Kamaleshwari	Punjab National Bank	2019
6	K.Shanmugapriya	Canara Bank	2019
7	R.Alamelu Mangai	Bank of Baroda	2019
8	A. Saprina Afrin	Bank of India	2019
9	Arya Surendran	Vijaya Bank	2019
10	P.A. Anakha	Union Bank of India	2019
11	L.G.Madhumathi	Canara Bank	2019

BANK PLACEMENT AS AGRICULTURAL OFFICER IN THE YEAR 2019

S.No.	Name of the student	Batch completed in the year
1	Ms. Arivumathi	2015
2	Mr. Mummorthichozhan	2015
3	Mr. Naveen	2016
4	Ms. Jericot Mercy	2016
5	Ms. Kiruthika	2016
6	Ms. Keerthana	2016
7	Ms. Kavipriyanga	2016
8	Ms. Poomari	2016
9	Ms. Menaga	2016
10	Mr. K.A.Neranjana	2017
11	Ms. Kowsalya	2017
12	Ms. Apsara	2017

2.11 NSS

National Service Scheme activities are conducted regularly in the campus .The students are motivated to extend their service to the nearby villages and the needy people. They conduct rally on for creating awareness among the village people. Besides they also visit the old age homes, clean the villages, temples etc.

NSS – Regular Activities

Palmyrah plantation at Kullapuram - 07-09-2019



Awarness programme about rain water harvesting and save water on 13-09-2019



Rally on NSS Day – 24.09.2019



Awareness programme on World AIDS day, Campus - 01-12-2019



Awareness programme about Womens Education and Protection, T.V Renganathapuram - 24 -01-2020



Rally conducted about International womens day, T.V.Renganathapuram - 08-03-2020



NSS Special Camp

Duration: 25.05.2019 to 31.05.2019

Place / Venue: Erumalainakanpatti village, Periyakulam Taluk, Theni District

NSS – Special Camp Activities

Tree planting on 25.05.2019



Awareness about Forest safety on 25.05.2019



Rally about Tree growing on 25.05.2019



Awareness about Fire safety on 26.05.2019



Cleaning Work in School by NSS volunteers on 26.05.2019



White washes in the School building on 26.05.2019



Participatory Rural Appraisal (Mapping) on 26.05.2019



Rally about chicken pox awareness on 26.05.2019



Awareness Campaign on 108 Ambulance Service on 27.05.2019



Discussion with villagers about organic farming on 27.05.2019



Demo on Mushroom Production on 27.05.2019



Rally about road safety measures on 27.05.2019



General Health camp on 28.05.2019



Blood donation camp on 28.05.2019



Discussion about Value added products on 28.05.2019



Rally about Environmental safety on 28.05.2019



Veterinary Camp on 29.05.2019



Training on kitchen gardening on 29.05.2019



Awareness about soil sampling and vermicomposting on 29.05.19



Fun Games for village children on 29.05.2019



Eye Camp on 30.05.2019



Training on Bee-keeping on 30.05.2019



Cultural programme by NSS volunteers on 30.05.2019



Discussion with villagers about crop insurance and subsidies on 31.05.2019



Agri Exhibition on 31.05.2019



Valedictory function on 31.05.2019



**Celebration of Environmental Day
(Tree Planting)– 05.06.19**



Celebrated International yoga day – 21.06.19



3. INFRASTRUCTURE AND FACILITIES

3.1 Library

The library works between 7.30 am and 5.00 pm on all Week days.

- ❖ Total No of books available in the library 7153 Nos.
- ❖ Total no of Book title 4227 Nos.
- ❖ Total No of Text books available in the library 5648 Nos
- ❖ Total No of Reference books available in the library 1505 Nos
- ❖ Total No of Magazine, Journal and Newspaper available in the library 50 Nos.
- ❖ List of Journals purchased
 1. MASU Journals
 2. Indian journal of Agricultural Science.
 3. Indian Journal of Animal Science
 4. Indian Farming
 5. Indian Horticulture
 6. Mysore Journal of Agricultural Science
- ❖ Averagely day by day students reading in the library totally 55 Nos.
- ❖ Total no of books are taken by students in the academic year 2889 Nos.
- ❖ Online based software are created separately in the academic year name is Library OPAC
- ❖ Five numbers of computers present in the library and also we convert library as a digital base.
- ❖ Magazine racks and Books racks are properly monitored and arranged discipline wise everyday
- ❖ Communications and other college news are displayed in the Notice Board at the time of issued

E-journal facility is available in the library for open accessing of the research papers. Book Bank facility with fifty books is developed with the collections from teachers and alumni. Reprographic facilities such as printer, scanners, and Xerox machines are also available for the benefit of the students. The library has resources such as CD- ROM and is also having internet connectivity (10 Mbps) for online retrieval of information.

3.2 Amenities created

Total amount spent for the purchase of lab chemicals, lab equipments and library books and for all the Departments of CAT,Theni

Lab equipments and Chemicals	Rs. 73,474
Library books, Newspaper and Periodicals	Rs.21,269

3.3. ICAR grant

ICAR Development Grant was sanctioned to the tune of Rs.11,00,000 under 'ICAR-Deve-Strengthening and Development of AUs(Development grant) for the purchase of equipments and strengthening UG teaching.

No.B5/019735/ICAR Dev.Grant/Principle approval/2019 dt.11.2019

3.4. Hostel

There are two hostels in the campus for boys and girls each. Totally 182 rooms are available in the hostels. Three students are accommodated in each room. All the students are provided with cupboard, cot, bed, pillow, bed spread, table, chair and shoe rack for each room.

Amenities provided

No. Of rooms in each hostel – 91 (which includes Guest room, Sick room, Reading room, and Medical dispensary)

Gym room - Tread mill, Elliptical trainer, Gym cycle, Hip rotator, Sit up machine, Dumbles, Normal scale, Yoga mat, Hand grip, Swiss ball and Compress machine.

Recreation room - Indoor games facilities like carom, chess and table tennis

Dining room - Dining table, Dining stool, Plate rack, LED TV with Speaker and Water dispensary

Wi-Fi connectivity

CCTV camera

Amphitheatre in the Girls Hostel

Napkin vending machine and Incinerator in the Girls Hostel

4. VISITORS AND GUEST LECTURES

Delegates visited the college to give motivational talks for the students and staff.

Few members visited as chief guests and some visitors to look in to the activities of the college.

Date	Guest Speaker/visitor	Topic
08.06.2019	Standing Committee Tamil Nadu Agricultural University Coimbatore	

26.07.2019	Dr. G. Kathiresan, Principal, TRIAD, Perambalur	Agronomy
15.08.2019	Dr.P.Murugesu Boopathi Former VC ,TNAU	Chief Guest for 10 th Foundation Day
15.08.2019	Mahendra M.Manivasan Board Member ,TNAU	Guest for 10 th Foundation Day
24.09.2019	Dr.B.Gopu	SRM university
31.10.2019	Mr.S.T.Murugesan Chairman Thangapazham College of Agriculture	
22.11.2019	Dr.V.Veerabadran Former Professor Agronomy TNAU,Coimbatore	
23.11.2019	Mr.P.R.M.Ravichandran Board Member,TNAU	
10.01.2020	Dr. Stephen Devadoss Dept.of Agr& Applied Economics Texas Tech University Lubbock, Texas,USA	Motivational talk to students& Opportunities Abroad
10.01.2020	Dr. Jeff Luckstead Dr.Jeny Jo Morrison Agricultural Economics Univ.of Arkansas Fayetteville	Motivational talk to students& Opportunities Abroad
21.01.2020	Mr.Sivakumaran ACAH (Australian College of Agriculture & Horticulture,) Chennai	Motivational talk to students
10.02.2020	Dr.C.T. Devadoss	-
10.02.2020	Dr.A.Dakshinamoorthy Former Director National food Processing Centre, Thanjavur	-
22.01.2020	Mr.S.Ramachandran Head Master i/c Girls Higher Sec.School Kullapuram	To arrange for students visit

Dr. Stephen Devadoss, Dr.Jeffy Luckstead and Dr.Jeny Jo Morrison from Texas Tech University interacts with students about higher studies



Mr.R.Sivakumaran, ACAH (Australian College of Agriculture & Horticulture, Chennai Motivating students



Following the orders of the Government, The college of Agricultural Technology, Theni, has declared holidays for the UG students from 17.03.2020 until further orders as precautionary measure due to impending COVID 19 threat.