



**SRI RAAJA RAAJAN**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**REPORT ON**

**NATIONAL SEMINAR**

**ON**

**PROTECTED CULTIVATION OF  
HORTICULTURAL CROPS**

**23.04.2025**



  
**PRINCIPAL**

Sri Raaja Raajan College of Engg. & Tech  
Amaravathipudur, Karaikudi - 630 301  
Sivagangai Dist. Tamil Nadu



# SRI RAAJA RAAJAN

## COLLEGE OF ENGINEERING AND TECHNOLOGY



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### DEPARTMENT OF AGRICULTURAL ENGINEERING

#### SEMINAR REPORT

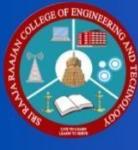
#### ABOUT THE SEMINAR

A seminar is a form of academic instruction given by subject matter specialist on a particular topic that an academic institution of Sri Raaja Raajan College of Engineering and Technology offered .It has the function of bringing together small groups for recurring meetings, focusing each time on some particular subject, in which everyone present is requested to participate. This is often accomplished through an ongoing Socratic dialogue with a seminar leader or instructor, or through a more formal presentation of research. It is essentially a place where assigned readings are discussed, questions can be raised and debates can be conducted.

#### OBJECTIVES

- To Understand the fundamental principles of agricultural engineering and their application in agriculture.
- Utilize state-of-the-art technologies and tools for efficient farm management and resource utilization.
- Analyze and design agricultural systems, machinery, and structures for optimal productivity.
- Implement sustainable practices and environmental considerations in agricultural engineering projects.
- Effectively troubleshoot and maintain agricultural equipment and systems.
- Collaborate with interdisciplinary teams to address agricultural engineering challenges.

## SEMINAR INVITATION



# SRI RAAJA RAAJAN

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146/14B1, Amaravathi Village, Amaravathiputhur Post,  
Karaikudi - 630 301, Sivagangai Dt, Tamilnadu

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### DEPARTMENT OF AGRICULTURAL ENGINEERING

*Organizes*

#### NATIONAL SEMINAR

ON

#### PROTECTED CULTIVATION OF HORTICULTURAL CROPS

*Date: 23-04-2025      Time: 10.30 a.m*

*Venue: Seminar Hall*

*Presidential Address*

**Dr.S.SUBBIAH**

Former Vice Chancellor,  
Alagappa University, Karaikudi.

*Chief Guest*

**Dr.K.SHANMUGASUNDARAM,Ph.D**

*Farmer-Agri-Horti consultant*

*Joint Director of Horticulture- Rtd*

*All are Welcome*

**Dr.A.Elango**  
Principal

**Dr.M.Sivakumar**  
Dean

**Dr.V.Sarathi**  
HOD/Agri

## **ACTIVITY -REPORT**

<b>Name of Activity</b>	: Seminar
<b>Title of the Lecture</b>	: National seminar on protected cultivation of horticultural crops
<b>Name of the Resource person</b>	: Dr.K.Shanmugasundaram (Joint Director of Horticulture-Rtd)
<b>Date</b>	: 23.04.2025
<b>Target Audience</b>	: 150
<b>Number of Students/Staff</b>	: 108/21
<b>Venue</b>	: Seminar hall, SRRCET,Amaravathipudur

### **Summary of the Lecture :**

In this Seminar students have learned about

- Protected cultivation is a process of growing crops in a controlled environment. This means that the temperature, humidity, light and such other factors can be regulated as per requirement of the crop.
- Due to controlled conditions there is better germination, plant growth and crops mature faster.
- It improved quality and quantity of produce with long shelf life.
- It is the best technology for commercial production of high value crops like flowers, medicinal plants, etc.
- Involvement of labour force can be reduced..
- Certain crops cultivated year round to meet the market demands.

- High value and high quality, even organic, crops grown for export markets.
- Income from small land holdings increased several fold.
- More Self-employment opportunities for educated youth on farm

## **KNOWLEDGE GAINED BY THE STUDENTS THROUGH THE SEMINAR**

- Students learnt about the techniques of green house cultivation
- They learnt about various green house structures used for various purpose
- They learnt about the food security and nutritional security need of our nation
- It studied various protected cultivation methods followed in our country
- They have learned about the benefits of protected cultivation and off-season cultivation of various crops
- They learnt the growing demand for organic food and sustainable agriculture creates opportunities for students in various fields, including farming, research, food processing, and marketing.
- They learnt about various processing techniques and processed fruit products like jam, jelly, marmalade etc., and also learnt about its marketing strategy
- They learnt about profit of establishing nursery using green house and this seminar encouraged them to become a future entrepreneur
- They gathered information regarding economic analysis of green house cultivation, pros & cons, etc., This would develop the entrepreneurship knowledge and ignite the minds of students to become future entrepreneur

# PHOTOS

## CHIEF GUEST ON THE FORUM



## AGRICULTURAL ENGINEERING DEPARTMENT HOD MAM DELIEVERD THE WELCOME ADDRESS



## THE DEAN SIR DELIEVERD THE FECILITATION ADDRESS



## HON'BLE CHAIRMAN OF OUR INSTITUTION DELIEVERD THE PRESIDENTIAL ADDRESS



## HONOURING THE CHIEF GUEST



## OUR CHIEF GUEST DELIVERED HIS LECTURE ABOUT PROTECTED CULTIVATION



## CERTIFICATE DISTRIBUTION



## **NEWSPAPER CLIPPINGS**



## **TIMES OF THIRUPATTHUR NEWSPAPER CLIPPINGS**

2

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■ வெள்ளிக்கிழமை ■ ஏப்ரல் 25 2025

காரக்குடி ஸ்ரீ இராஜ ராஜன் போறியியல் மற்றும் தொழில்நுட்ப கல்லூரியின் வேளாண் போறியியல் துறை சார்சில் மாதுகாக்கப்பட்ட பயிர் சாகுபடி குறித்த கருத்தரங்கள்

காவுருத் 45-124  
காவுருத் 45-125  
காவுருத்

ஈ இராதை ராதை  
பொறிவை மற்று  
நேர்மீதுப் பாதுகாப்பில்  
ஒன்றை ஒத்திவிட தூது  
நீரில் பாதுகாப்பு—  
பலி சாதாரண அந்த 903  
நாள் குறித்தாலும்  
நூல்போது, இதில்

நீ இராம ராமம் அவர்  
குழுமத்தின் தலைவரும்  
நீ நீ பீ பீ  
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முக்கியத்துவம் கூறுகிறது  
என கூறுவதை வழக்கிடும்.  
அது கூறுவதை “ஊர்த்து  
வருச் சு அதி வா வா  
கா வீட்டிப்பாக வெள்ளு  
வியாபாரத் துறவுகளிலும்  
கொங்கு வரு காவியாக  
கீழ்க்கும் பாதுகாக்கப்பட்டு  
பாரி காகுபாட் பற்று  
தூங்கிய பாதுகாக்கத்தை  
மாற்றவர்கள் கற்றுக்  
கொங்கு வாய்வாக்கிக்கொ

வாக்கு கொடி து  
பாதுகாக்கப்பட்ட பாரின்  
ஈருப்பு, மற்றும் துவாயில்  
மன்றாவையில் குறித்த பா-  
துக்காக்கப்பட்ட தேவிரது  
கணாக்கான். இதிலுமிரு-  
நிலை ஏதுபது திடீகா-  
ப்பாக்கிடப்பட மன்றாவைக்காக  
நீண்ட விழுதிலிருந்து அதைக்  
ஏதாற்றப்பட்டு வழக்கில்  
கொண்டது

# **STUDENTS ATTENDANCE**

S.NO	REGISTER NUMBER	NAME	SIGNATURE
1	912524225001	AJITHA.P	
2	912524225002	AKASH.M	
3	912524225003	ASHOK KUMAR.A	
4	912524225004	DHURGA SRI.S	
5	912524225005	JAI AKASH.M	
6	912524225006	MANIKANDAN.A	
7	912524225007	NATHIYA.M	
8	912524225008	NIKKOLAS RAJ.R	
9	912524225009	RAJEETHA.R	
10	912524225010	SANTHOSH.K	
11	912524225011	YUVASRI PRABHA.I	
12	912523225001	ANNAL ABI.J	
13	912523225002	ASHWIN.K	
14	912523225003	ASVITHA.M	
15	912523225004	ASWIN JAYARAM.M	
16	912523225005	ATCHAYA.A	
17	912523225006	JAMUNA.S	
18	912523225007	KARTHIKA.P	
19	912523225008	KIRUBA.R	
20	912523225009	LOGESWARAN.P	
21	912523225010	MAHA.K	
22	912523225011	MANIKANDAN.P	
23	912523225012	NITHISH.S	
24	912523225013	POOVARASI.L	
25	912523225014	PRAVEENA.K	
26	912523225015	PRIYANGA.R	

27	912523225016	RAMAJAYAM KEERTHIKA.M	
28	912523225017	RANJINI.M	
29	912523225018	RASIKAS.S	
30	912523225019	SAJU.AR	
31	912523225020	SARATHI.N	
32	912523225021	SHARLIN BESITHA.M	
33	912523225022	SIVASAKTHI.R	
34	912523225024	SUJA.G	
35	912523225025	SUJITHA.E	
36	912523225026	SWETHA.P	
37	912523225027	SWETHA.S	
38	912523225028	VARSHINI.M	
39	912523225029	VENKATESWARI.S	
40	912523225030	YUGASREE.S	
41	912522225001	ABINAYA. K	
42	912522225002	ANTONY MELVIN . S	
43	912522225003	ARCHANA .S	
44	912522225004	GURU SIVABALAN .R	
45	912522225005	HARIHARAN .M	
46	912522225006	ISWARYA .M	
47	912522225007	KAJAL .R	
48	912522225008	KALESWARAN. AV	
49	912522225009	MADHAVAN . M	
50	912522225010	MURGESAN .S	
51	912522225011	PONNARASAN .S	
52	912522225012	RISVANA FATHIMA .M	

53	912522225013	RUBA SRI .S	
54	912522225014	SAMSON .K	
55	912522225015	SHANMUGASUNDHARI.C	
56	912522225016	SIBIRAJ .S	
57	912522225017	SIVASRI .M	
58	912522225018	SUBASHREE .S	
59	912522225019	VASANTH .C	
60	912522225020	YOGALINGAM .M	
61	912522225401	MANIKANDAN. S	
62	912523103001	ABDUL AJEES.S	
63	912523103002	AGATHIYAN.B	
64	912523103003	ANBARASAN.V	
65	912523103004	ASHWIN.S	
66	912523103005	DINESH.M	
67	912523103006	GOWTHAM.S	
68	912523103007	NANDHA KUMAR.M	
69	912523103008	PRAVEEN.A	
70-	912523103010	SAIKUMAR.T	
71	912523103011	SAKKA DEVI.A	
72	912523103012	SELVA SANTHOSH	
73	912523103013	SURESH KARUPPAIAH.M	
74	91252310314	SUSINDER.NS	
75	912523103015	VIGNESH.S	

76	912523103016	XAVIER BENAI.M	
77	912523103301	HARISH KUMAR.T	
78	912523103302	SEENIVASAN	
79	912523103016	XAVIER BENAI.M	
80	912523103301	HARISH KUMAR.T	
81	912523103302	SEENIVASAN	
82	912523103303	SHAMSATHOSH RAJ	
83	912523103304	THANGAPANDIYAN	
84	912523103305	RAVICHANDARAN	
85	912523103306	VENGATESHWARAN	
86	912522103002	R.ALAGESAN	
87	912522103003	K.ANANTHA KUMAR	
88	912522103004	K.ATHITHYA	
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94	912522103011	G.PRABAVATHI	
95	912522103012	K.RAGHUL	
96	912522103013	C.RAJKUMAR	
97	912522103014	R.SAKTHISH KUMAR	
98	912522103015	S.SAKTHIVEL	
99	912522103016	N.SARAVANAN	
100	9125221403017	S.SHAFIRUDEEN	

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102	912522103019	P.BALAMURUGAN	
103	912522103301	G.YOGESHSHWARAN	
104	9125221403302	K.A.SIVA	
105	912522103401	S.SAKTHIVEL	
107	912522103701	D. GURUNATHAN	
108	912522103018	I.SHANMUGANATHAN	