



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U 3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)



Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.

05.07.2019

From
Head of the Department,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073


To
The Dean,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

Respected Sir,

Sub: Permission for conducting value added course — Reg.

I'm writing to express my interest in teaching a three-week value-added course on
Fundamentals of Food Processing Technician course beginning on August 3, 2019.

Thanking you sir,


Head of the Department
Head of the Department
School of Agricultural Sciences
Bharath Institute of Higher Education And Research
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai-600 073, India.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Date: 05-07-2019

SCHOOL OF AGRICULTURAL SCIENCES


CIRCULAR

Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agricultural Sciences will offer a 3-week course titled "Fundamentals of Food Processing Technician Course" starting on August 8, 2019. On or before July 30, 2019, interested students should contact Ms. R.M. Gokula Lakshmi, Assistant Professor and Course Coordinator, School of Agricultural Sciences, for registration and further information.

Eligibility- I and II B.Sc., (Hons.)Agriculture


Course Coordinator


Dean - Agriculture
DEAN - AGRICULTURE
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai-600 073. INDIA.

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Courses on Fundamentals of Food Processing Technician Course

(2019-2020)

COURSE CO-ORDINATOR DETAILS

Faculty Name : Ms. R.M. Gokula Lakshmi, Assistant Professor,
School of Agricultural Sciences
Email ID : agrikokila@gmail.com
Mobile number : 8870523432

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE SYLLABUS 2019-2020

Courses on Fundamentals of Food Processing Technician Course

Objective:

1. To understand the history and evolution of food processing.
2. To study the structure, composition, nutritional quality of various plant foods.
3. To study about the post harvest changes of various plant foods.
4. To study the structure and composition of various animal foods.

Module: 1 Compositional, Nutritional and Technological aspects of Cereals and Millets

Foods - Structure and composition of cereals. Wheat- structure and composition, types (hard, soft/ strong, weak). Diagrammatic representation of longitudinal structure of wheat grain. Malting, gelatinization of starch, types of browning- Maillard & caramelization. Rice- structure and composition, parboiling of rice- advantages and disadvantages.

Module: 2 Compositional, Nutritional and Technological aspects of Pulses, Fats and oil Foods

- Structure and composition of pulses, toxic constituents in pulses, processing of pulses-soaking, germination, decortications, cooking and fermentation. Classification of lipids, types of fatty acids - saturated fatty acids, unsaturated fatty acids, essential fatty acids, trans fatty acids. Refining of oils, types- steam refining, alkali refining, bleaching, steam deodorization, hydrogenation. Rancidity –Types- hydrolytic and oxidative rancidity and its prevention.

Module: 3 Compositional, Nutritional and Technological aspects of Fruits and Vegetable Foods

- Classification of fruits and vegetables, general composition, enzymatic browning, names and sources of pigments, Dietary fibre. Post harvest changes in fruits and vegetables – Climacteric rise, horticultural maturity, physiological maturity, physiological changes, physical changes, chemical changes, pathological changes during the storage of fruits and vegetables.

Module: 4 Compositional, Nutritional and Technological aspects of Animal foods.

Flesh Foods - Meat, Fish, Poultry - Meat - Definition of carcass, concept of red meat and white meat, composition of meat, marbling, post-mortem changes in meat- rigor mortis, tenderization of meat, ageing of meat. Fish - Classification of fish (fresh water and marine), aquaculture , composition of fish, characteristics of fresh fish, spoilage of fish- microbiological, physiological, biochemical. Poultry - Structure of hen's egg, composition and nutritive value, egg proteins, characteristics of fresh egg, deterioration of egg quality, difference between broiler and layers.

Milk and Milk Products - Definition of milk, chemical composition of milk, its constituents, processing of milk, pasteurization, homogenization. An overview of types of market milk and milk products.

TEXT BOOK REFERENCE:

1. Bawa. A.S, O.P Chauhan etal. Food Science. New India Publishing agency, 2013
2. Roday,S. Food Science, Oxford publication, 2011.
3. B. Srilakshmi, Food science, New Age Publishers,2002
4. Meyer, Food Chemistry, New Age,2004
5. De Sukumar., Outlines of Dairy Technology, Oxford University Press, 2007.

SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE

Courses on Fundamentals of Food Processing Technician Course (2019-2020)

Session	Topic	Date	Duration (Hr)	Resource person
Session 1	Structure and composition of cereals.	03.08.2019	2	Dr. N. Emayavaramban
Session 2	Wheat- structure and composition, types and its dyagramic representation	05.08.2019	2	Dr. N. Emayavaramban
Session 3	Rice- structure and composition, parboiling of rice- advantages and disadvantages.	07.08.2019	3	Ms. R.M. Gokula Lakshmi
Session 4	Structure and composition of pulses, toxic constituents in pulses, processing of pulsesoaking, germination, decortications, cooking and fermentation	09.08.2019	2	Dr. N. Emayavaramban
Session 5	Classification of lipids, types of fatty acids - saturated fatty acids, unsaturated fatty acids, essential fatty acids, trans fatty acids.	10.08.2019	3	Ms. R.M. Gokula Lakshmi
Session 6	Refining of oils, types- steam refining, alkali refining, bleaching, steam deodorization, hydrogenation.	13.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 7	Rancidity –Types- hydrolytic and oxidative rancidity and its prevention.	16.08.2019	2	Mr. Kumari Mannan
Session 8	Classification of fruits and vegetables, general composition, enzymatic browning, names and sources of pigments and dietary fibre	19.08.2021	2	Dr. N. Emayavaramban
Session 9	Post harvest changes in fruits and vegetables – Climacteric rise, horticultural maturity, physiological maturity, physiological changes, physical changes, chemical changes, pathological changes during the storage of fruits and	21.08.2019	3	Dr. L. Jeyanthi Rebacca
Session 10	Meat - Definition of carcass, concept of red meat and white meat, composition of meat, marbling, post-mortem changes in meat- rigor mortis, tenderization of meat, ageing of meat.	23.08.2019	2	Dr. N. Emayavaramban
Session 11	Fish - Classification of fish (fresh water and marine), aquaculture , composition of fish, characteristics of fresh fish, spoilage of fish- microbiological, physiological, biochemical	24.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 12	Poultry - Structure of hen's egg, composition and nutritive value, egg proteins, characteristics of fresh egg, deterioration of egg quality, difference between broiler and layers.	26.08.2019	2	Dr. N. Emayavaramban
Session 13	Definition of milk, chemical composition of milk, its constituents, processing of milk, pasteurization, homogenization. An overview of types of market milk and milk products.	29.08.2019	3	Ms. R.M. Gokula Lakshmi

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE**

Courses on Fundamentals of Food Processing Technician Course (2019-2020)

Students Name list

S.No	Reg No	Name
1	U18AG002	YASHIKA S
2	U18AG004	SIVAPRIYA S
3	U18AG005	ANBARASAN B
4	U18AG006	YOGESHWARAN K
5	U18AG007	K S HIMA BINDU
6	U18AG008	BALAJI V
7	U18AG009	MUTHUVEL G
8	U18AG010	SOWMYA K
9	U18AG011	VAGGA VARSHINI
10	U18AG012	NARMADHA D
11	U18AG013	JAWAHAR R
12	U18AG014	CHANDRU R
13	U18AG015	VIGNESH T
14	U18AG016	YEDLA RAVI TEJA
15	U18AG018	OGETI VISWANADHA SASTRY
16	U18AG019	ANNAM SONIA
17	U18AG020	GOWSHIK BALA S M
18	U18AG021	GADDE MANEESH KUMAR
19	U18AG022	DINESH R
20	U18AG023	P JYOTHIKA
21	U18AG024	KYNTUMIKI SLONG
22	U18AG025	PRIYA VARSHINI P
23	U18AG026	KARTHIKEYAN V
24	U18AG027	KAVIYA SRI J
25	U18AG028	GADDE SRI NAGA GOPI
26	U18AG029	JAISON JAYAKUMAR M
27	U18AG030	K SAI CHAITANYA
28	U18AG031	MODDU SAI SUJAN
29	U18AG032	PRAVEEN KUMAR G
30	U18AG033	PEGADA JAYASRI
31	U18AG034	SURIYA R
32	U18AG035	NEELAKANTAM SIVANI
33	U18AG036	KAYYURI POOJITHA
34	U18AG038	SAMMANA HARATHI
35	U18AG039	ASI VYSHNAVI
36	U18AG040	BOYAPATI ANUSHA
37	U18AG041	HARINI N
38	U18AG042	BASKARAN V
39	U18AG043	RAJ KUMAR N
40	U18AG044	RISHITHA

41	U19AG001	ABINAYA. M
42	U19AG003	ABIRAMI. J
43	U19AG004	ABISHEK. R
44	U19AG006	BALAJI. B
45	U19AG007	BANDI. MADHURI
46	U19AG010	DHAIRIYA LAKSHMI
47	U19AG011	DHEERATHANA. P
48	U19AG012	DILIP KUMAR. M
49	U19AG013	GANJI. CHANDU
50	U19AG015	GUTTULA TEJASWI
51	U19AG020	KAVIYA SRI. S
52	U19AG021	KAVIYARASAN. R
53	U19AG022	KOMALA. N
54	U19AG024	MANISHA. D.J
55	U19AG045	SURESH BABU. E
56	U19AG045	SURESH BABU. E
57	U19AG046	THENMOZHILA
58	U19AG047	THIRUMAL.B
59	U19AG048	THULASI G.K
60	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA

huya



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF AGRICULTURAL SCIENCES

Courses on Fundamentals of Food Processing Technician Course

Certificate of Participation

This is to certify that Mr /Ms. ASI VYSHNAVI (U18AG039) has attended three weeks "Courses on Fundamentals of Food Processing Technician Course" conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during 3rd August – 28th August 2019.

P.M. Gokul
COURSE COORDINATOR

DEAN-AGRICULTURE
DEAN - AGRICULTURE

BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)

Chennai-600 073. INDIA.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Fundamentals of Food Processing Technician

Date: 29.08.2019

Course Title: Fundamentals of Food Processing Technician

Name: Siva Priya. A

Reg. No.: U18AG004

Department: School of Agricultural Science

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you			✓		
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned			✓		
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course			✓		
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course			✓		

Please give suggestion for the improvement of the course

S. Sivapriya
Signature



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Fundamentals of Food Processing Technician

Date: 29.08.2019

Course Title: Fundamentals of Food Processing Technician

Name: R. Dinesh

Reg. No.: U18A1022

Department: School of Agricultural Sciences

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you			✓		
2	Course content met with your expectation			✓		
3	Lecture sequence was well planned				✓	
4	Lectures were clear and easy to understand					✓
5	Teaching Aids were effective				✓	
6	Instructors encourage interaction and were helpful			✓		
7	The level of the course					
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course					✓

Please give suggestion for the improvement of the course

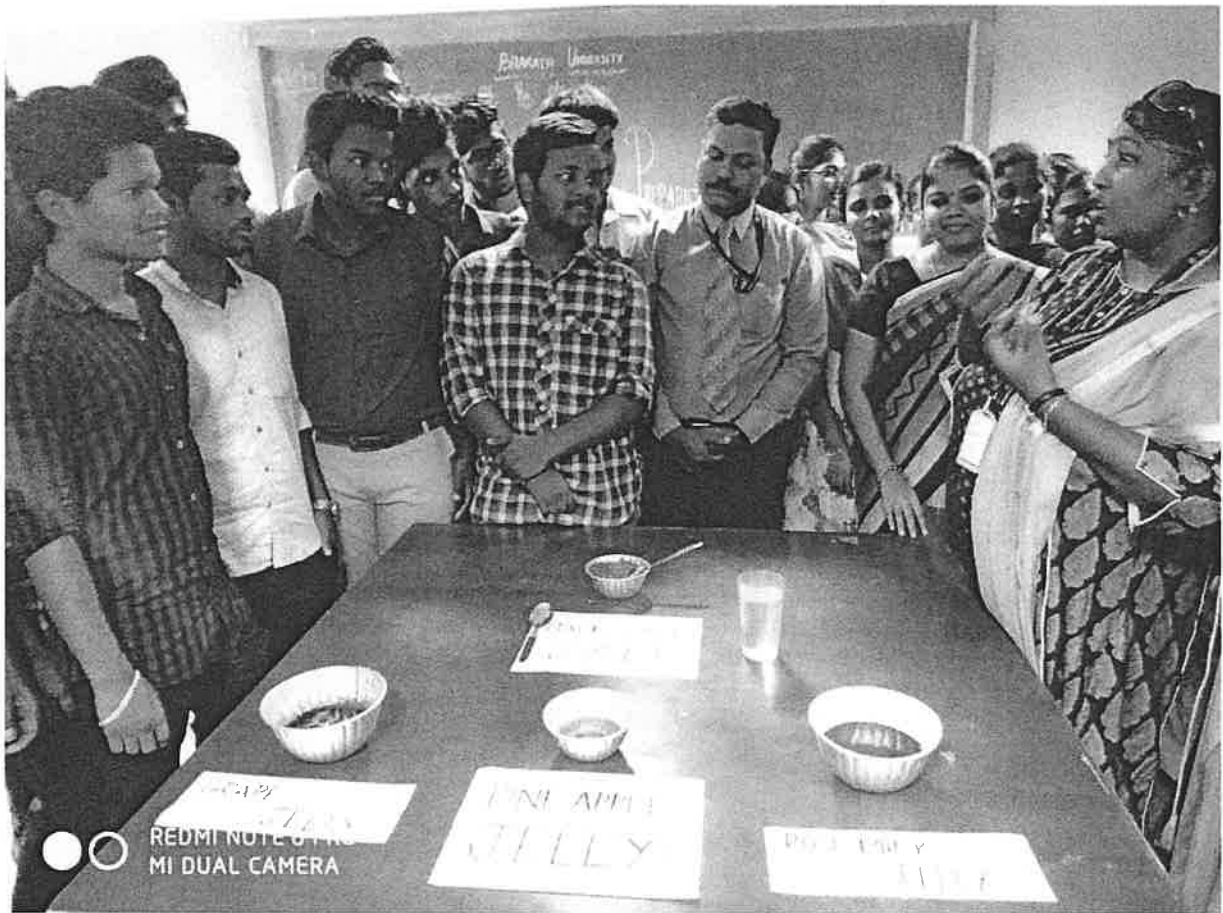
R. Dinesh
Signature

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE
Courses on Fundamentals of Food Processing Technician Course (2019-2020)
Students Feedback

S.No	Reg No	Name	Rating
			3.5
1	U18AG002	YASHIKA S	4.5
2	U18AG004	SIVAPRIYA S	4.5
3	U18AG005	ANBARASAN B	3
4	U18AG006	YOGESHWARAN K	4.4
5	U18AG007	K S HIMA BINDU	3.5
6	U18AG008	BALAJI V	4.5
7	U18AG009	MUTHUVEL G	5
8	U18AG010	SOWMYA K	4.5
9	U18AG011	VAGGA VARSHINI	5
10	U18AG012	NARMADHA D	4.6
11	U18AG013	JAWAHAR R	5
12	U18AG014	CHANDRU R	4.4
13	U18AG015	VIGNESH T	3.7
14	U18AG016	YEDLA RAVI TEJA	4.5
15	U18AG018	OGETI VISWANADHA SASTRY	4.5
16	U18AG019	ANNAM SONIA	5
17	U18AG020	GOWSHIK BALA S M	5
18	U18AG021	GADDE MANEESH KUMAR	5
19	U18AG022	DINESH R	5
20	U18AG023	P JYOTHIKA	4.5
21	U18AG024	KYNTUMIKI SLONG	5
22	U18AG025	PRIYA VARSHINI P	4.5
23	U18AG026	KARTHIKEYAN V	5
24	U18AG027	KAVIYA SRI J	4.5
25	U18AG028	GADDE SRI NAGA GOPI	4
26	U18AG029	JAISON JAYAKUMAR M	5
27	U18AG030	K SAI CHAITANYA	4.5
28	U18AG031	MODDU SAI SUJAN	5
29	U18AG032	PRAVEEN KUMAR G	4
30	U18AG033	PEGADA JAYASRI	4.5
31	U18AG034	SURIYA R	5
32	U18AG035	NEELAKANTAM SIVANI	5
33	U18AG036	KAYYURI POOJITHA	5
34	U18AG038	SAMMANA HARATHI	4.5
35	U18AG039	ASI VYSHNAVI	5
36	U18AG040	BOYAPATI ANUSHA	4.5
37	U18AG041	HARINI N	4.5
38	U18AG042	BASKARAN V	5
39	U18AG043	RAJ KUMAR N	5
40	U18AG044	RISHITHA	5

41	U19AG001	ABINAYA. M	5
42	U19AG003	ABIRAMI. J	4.5
43	U19AG004	ABISHEK. R	5
44	U19AG006	BALAJI. B	5
45	U19AG007	BANDI. MADHURI	4.5
46	U19AG010	DHAIRIYA LAKSHMI	4
47	U19AG011	DHEERATHANA. P	5
48	U19AG012	DILIP KUMAR. M	5
49	U19AG013	GANJI. CHANDU	4.5
50	U19AG015	GUTTULA TEJASWI	4
51	U19AG020	KAVIYA SRI. S	4.5
52	U19AG021	KAVIYARASAN. R	4.5
53	U19AG022	KOMALA. N	5
54	U19AG024	MANISHA. D.J	4
55	U19AG045	SURESH BABU. E	4
56	U19AG045	SURESH BABU. E	4.5
57	U19AG046	THENMOZHIA	4.5
58	U19AG047	THIRUMAL.B	4
59	U19AG048	THULASI G.K	4.5
60	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA	4

FUNDAMENTALS OF FOOD PROCESSING TECHNICIAN





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)



Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.

05.07.2019

From
Head of the Department,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073


To
The Dean,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

Respected Sir,

Sub: Permission for conducting value added course — Reg.

I'm writing to express my interest in teaching a three-week value-added course on
Pesticide and Fertilizer Applicator Training beginning on August 3, 2019.

Thanking you sir,


Head of the Department
Head of the Department
School of Agricultural Sciences
Bharath Institute of Higher Education And Research
(Declared as Deemed to be University U3 of UGC Act, 1956)
Chennai- 600 073, India.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Date: 05-07-2019

SCHOOL OF AGRICULTURAL SCIENCES

CIRCULAR

Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agricultural Sciences will offer a 3-week course titled “**Courses on Pesticide & Fertilizer Applicator Training**” starting on August 8, 2019. On or before July 30, 2019, interested students should contact Ms. R.M. Gokula Lakshmi, Assistant Professor and Course Coordinator, School of Agricultural Sciences, for registration and further information.

Eligibility- I and II B.Sc., (Hons.) Agriculture


Course Coordinator


Dean- Agriculture

DEAN - AGRICULTURE
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University under section 3 of UGC Act 1956)

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Courses on Pesticide & Fertilizer Applicator Training

(2019-2020)

COURSE CO-ORDINATOR DETAILS

Faculty Name : Ms. R.M. Gokula Lakshmi, Assistant Professor,
School of Agricultural Sciences

Email ID : agrikokila@gmail.com

Mobile number : 8870523432

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE SYLLABUS 2019-2020

Course on Pesticide & Fertilizer Applicator Training

Objective:

1. To understand the cropping pattern of the area and associated pests
2. Acquire knowledge for Identification of major pests infesting crops
3. Acquire knowledge about understanding nutrient deficiencies and corrective measures as per the agronomic situation

Module: 1 Introduction to plant protection: Role of a Pesticide and Fertilizer Applicator - Introduction to Plant Protection- understand the Economic importance of plant protection- Basic skills of communication- Learn Basic reading capabilities to enable reading of signs, notices and/or cautions at site.

Module: 2 Pest Management: morphology, biology, seasonal & crop specificity of insect-pests- life cycle of insect pests- symptoms of pest and diseases,-major pests of area specific crops along with their fertilizer - effects and influencing environmental factors for disease occurrence- nutrient deficiency of plant-Study the fertilizer requirement for the crop

Module: 3 Plant protection chemicals & equipments: Different Types of Plant Protection- Formulate/prepare the spraying solution - Factors influencing formulation and application. Pesticide and insecticide chemical hazards. Ecofriendly pesticides. Identify, select and use plant protection equipments

Module: 4 Maintain Health and safety at the work place: Understand the basic safety checks and other common reported hazards before all farm operation. Proper use of equipment and materials safely and correctly. Handle emergency situation in workplace and during any farm operation. Practice general safety procedures follow during processing unit

TEXT BOOK:

1. David, B.V. and V.V. Ramamurthy. 2011. *Elements of Economic Entomology*, Namrutha Publications, Chennai, 386 p. {ISBN: 978-81-921477-0-3}
2. Pedigo, L.P. and M.E.Rice.1996. *Entomology and Pest Management*. Prentice-Hall of India Pvt Ltd, New Delhi. 812p. {ISBN-978-8120338869}
3. Dhaliwal, G.S. and R.Arora. 2001. *Integrated Pest Management – Concepts and approaches*. Kalyani publishers, New Delhi. 427p. {ISBN: 81-7663-904-4}

REFERENCE:

1. <http://www.sristi.org/hbnew>
2. <http://www.ncipm.org.in/recent-publications.htm>
3. <http://www.ipmnet.org>

SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE

COURSE ON PESTICIDE AND FERTILIZER APPLICATOR TRAINING (2019-2020).

Session	Topic	Date	Duration (Hr)	Resource person
Session 1	Role of a Pesticide and Fertilizer Applicator	03.08.2019	2	Dr. N. Emayavaramban
Session 2	Introduction to Plant Protection	06.08.2019	2	Dr. N. Emayavaramban
Session 3	Understanding the Economic importance of plant protection	09.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 4	Morphology, biology, seasonal & crop specificity of insect pests	08.08.2019	2	Mr. Kumari Mannan
Session 5	Life cycle of insect pests, symptoms of pest and diseases	12.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 6	Major pests of area specific crops along with their fertilizer	14.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 7	Effects and influencing environmental factors for disease occurrence	17.08.2019	2	Mr. Kumari Mannan
Session 8	Nutrient deficiency of plant and the fertilizer requirement for the crop	19.08.2021	2	Dr. N. Emayavaramban
Session 9	Different Types of Plant Protection- Formulate/prepare the spraying solution	20.08.2019	2	Dr. L. Jeyanthi Rebacca
Session 10	Factors influencing formulation and application. Pesticide and insecticide chemical hazards	21.08.2019	2	Dr. N. Emayavaramban
Session 11	Ecofriendly pesticides. Identify, select and use plant protection equipments	22.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 12	Understand the basic safety checks and other common reported hazards	24.08.2019	2	Mr. Kumari Mannan
Session 13	Proper use of equipment and materials safely and correctly	26.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 14	Handle emergency situation in workplace and during any farm operation.	27.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 15	Practice general safety procedures follow during processing unit	28.08.2019	2	Dr. L. Jeyanthi Rebacca

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES**

VALUE ADDED COURSE

Courses on Pesticide & Fertilizer Applicator Training (2019-2020)

Students Name list

S.No	Reg No	Name
1	U18AG002	YASHIKA S
2	U18AG004	SIVAPRIYA S
3	U18AG011	VAGGA VARSHINI
4	U18AG012	NARMADHA D
5	U18AG013	JAWAHAR R
6	U18Av014	CHANDRU R
7	U18AG015	VIGNESH T
8	U18AG016	YEDLA RAVI TEJA
9	U18AG018	OGETI VISWANADHA SASSTRY
10	U18AG019	ANNAM SONIA
11	U18AG020	GOWSHIK BALA S M
12	U18AG021	GADDE MANEESH KUMAR
13	U18AG022	DINESH R
14	U18AG023	P JYOTHIKA
15	U18AG024	KYNTUMIKI S LONG
16	U18AG025	PRIYA VARSHINI P
17	U18AG026	KARTHIKEYAN V
18	U18AG027	KAVIYA SRI J
19	U18AG028	GADDE SRI NAGA GOPI
20	U18AG029	JAISON JAYAKUMAR M
21	U18AG030	K SAI CHAITANYA
22	U18AG031	MODDU SAI SUJAN
23	U18AG032	PRAVEEN KUMAR G
24	U18AG033	PEGADA JAYASRI
25	U18AG034	SURIYA R
26	U18AG035	NEELAKANTAM SIVANI
27	U18AG036	KAYYURI POOJITHA
28	U18AG038	SAMMANA HARATHI
29	U18AG039	ASI VYSHNAVI
30	U18AG040	BOYAPATI ANUSHA
31	U18AG041	HARINI N
32	U18AG042	BASKARAN V
33	U18AG043	RAJ KUMAR N
34	U18AG044	RISHITHA
35	U19AG001	ABINAYA. M
36	U19AG003	ABIRAMI. J
37	U19AG004	ABISHEK. R
38	U19AG006	BALAJI. B
39	U19AG007	BANDI. MADHURI
40	U19AG010	DHAIRIYA LAKSHMI

41	U19AG011	DHEERATHANA. P
42	U19AG012	DILIP KUMAR. M
43	U19AG013	GANJI. CHANDU
44	U19AG015	GUTTULA TEJASWI
45	U19AG020	KAVIYA SRI. S
46	U19AG021	KAVIYARASAN. R
47	U19AG022	KOMALA. N
48	U19AG024	MANISHA. D.J
49	U19AG025	MARAN. S
50	U19AG026	MUGESH. R
51	U19AG034	POOJA PATTU. R
52	U19AG040	SANGEETHA.R
53	U19AG043	SIVAPU. PRIYANAKA
54	U19AG044	SURESH KUMAR B.T
55	U19AG045	SURESH BABU. E
56	U19AG045	SURESH BABU. E
57	U19AG046	THENMOZHI.A
58	U19AG047	THIRUMAL.B
59	U19AG048	THULASI G.K
60	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA

hayan



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF AGRICULTURAL SCIENCES

Courses on Pesticide & Fertilizer Applicator Training

Certificate of Participation

This is to certify that Mr /Ms. YOGESHWARAN K (U18AG006) has attended three weeks "Courses on Pesticide & Fertilizer Applicator Training" conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during 3rd August – 28th August 2019.

P.M. Lakshmi
COURSE COORDINATOR

DEAN - AGRICULTURE

DEAN - AGRICULTURE

BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)

Chennai-600 073, INDIA.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Courses on Pesticide & Fertilizer Applicator Training

Date: 28-8-2019

Course Title: Courses on Pesticide & Fertilizer Applicator Training

Name: HARINI . N

Reg. No.: U18AG041

Department: SCHOOL OF AGRICULTURAL SCIENCES

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you				✓	
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned					✓
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective					✓
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course					✓
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course					✓

Please give suggestion for the improvement of the course


Signature



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Courses on Pesticide & Fertilizer Applicator Training

Date: 28-08-2019

Course Title: Courses on Pesticide & Fertilizer Applicator Training

Name: R. Jawahar

Reg. No.: U18AG013

Department: School of Agricultural Sciences

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you			✓		
2	Course content met with your expectation		✓			
3	Lecture sequence was well planned				✓	
4	Lectures were clear and easy to understand			✓		
5	Teaching Aids were effective				✓	
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course			✓		
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

Please give suggestion for the improvement of the course

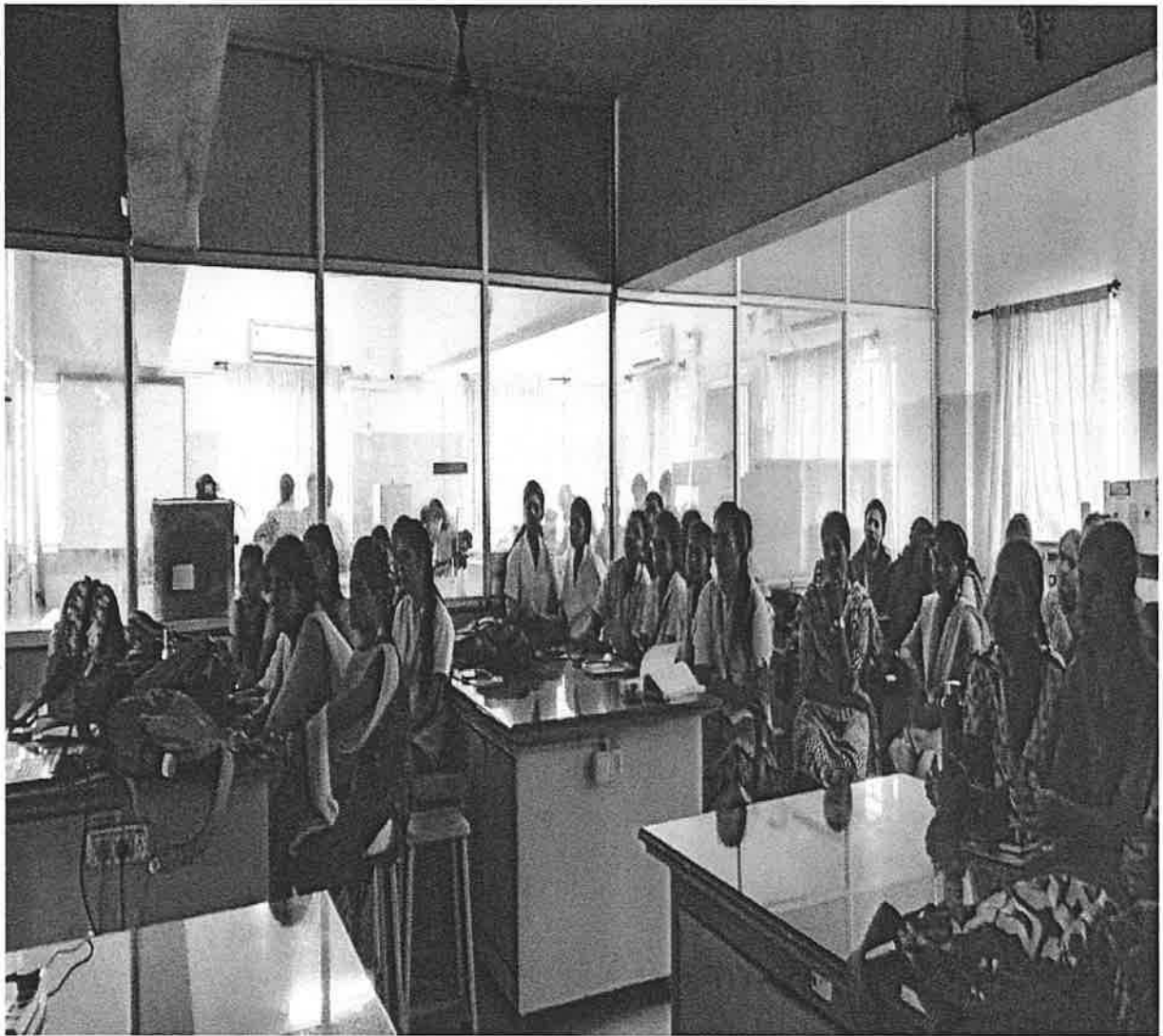
R. Jawahar.
Signature

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE
Courses on Pesticide & Fertilizer Applicator Training (2019-2020)
Students Feedback

S.No	Reg No	Name	Rating
1	U18AG002	YASHIKA S	3.5
2	U18AG004	SIVAPRIYA S	4.5
3	U18AG011	VAGGA VARSHINI	4.5
4	U18AG012	NARMADHA D	5
5	U18AG013	JAWAHAR R	4.6
6	U18Av014	CHANDRU R	5
7	U18AG015	VIGNESH T	4.4
8	U18AG016	YEDLA RAVI TEJA	3.7
9	U18AG018	OGETI VISWANADHA SASTRY	4.5
10	U18AG019	ANNAM SONIA	4.5
11	U18AG020	GOWSHIK BALA S M	5
12	U18AG021	GADDE MANEESH KUMAR	5
13	U18AG022	DINESH R	5
14	U18AG023	P JYOTHIKA	5
15	U18AG024	KYNTUMIKI SLONG	4.5
16	U18AG025	PRIYA VARSHINI P	5
17	U18AG026	KARTHIKEYAN V	4.5
18	U18AG027	KAVIYA SRI J	5
19	U18AG028	GADDE SRI NAGA GOPI	4.5
20	U18AG029	JAISON JAYAKUMAR M	4
21	U18AG030	K SAI CHAITANYA	5
22	U18AG031	MODDU SAI SUJAN	4.5
23	U18AG032	PRAVEEN KUMAR G	5
24	U18AG033	PEGADA JAYASRI	4
25	U18AG034	SURIYA R	4.5
26	U18AG035	NEELAKANTAM SIVANI	5
27	U18AG036	KAYYURI POOJITHA	5
28	U18AG038	SAMMANA HARATHI	5
29	U18AG039	ASI VYSHNAVI	4.5
30	U18AG040	BOYAPATI ANUSHA	5
31	U18AG041	HARINI N	4.5
32	U18AG042	BASKARAN V	4.5
33	U18AG043	RAJ KUMAR N	5
34	U18AG044	RISHITHA	5
35	U19AG001	ABINAYA. M	5
36	U19AG003	ABIRAMI. J	4.5
37	U19AG004	ABISHEK. R	5
38	U19AG006	BALAJI. B	5
39	U19AG007	BANDI. MADHURI	4.5
40	U19AG010	DHAIRIYA LAKSHMI	4

41	U19AG011	DHEERATHANA. P	5
42	U19AG012	DILIP KUMAR. M	5
43	U19AG013	GANJI. CHANDU	4.5
44	U19AG015	GUTTULA TEJASWI	4
45	U19AG020	KAVIYA SRI. S	4.5
46	U19AG021	KAVIYARASAN. R	4.5
47	U19AG022	KOMALA. N	5
48	U19AG024	MANISHA. D.J	4
49	U19AG025	MARAN. S	4
50	U19AG026	MUGESH. R	4
51	U19AG034	POOJA PATTU. R	4.5
52	U19AG040	SANGEETHA.R	4.5
53	U19AG043	SIVAPU. PRIYANAKA	4
54	U19AG044	SURESH KUMAR B.T	4
55	U19AG045	SURESH BABU. E	4
56	U19AG045	SURESH BABU. E	4.5
57	U19AG046	THENMOZHIA	4.5
58	U19AG047	THIRUMAL.B	4
59	U19AG048	THULASI G.K	4.5
60	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA	4

PESTICIDE AND FERTILIZER APPLICATOR TRAINING





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)



Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.

05.07.2019

From
Head of the Department,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

To
The Dean,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

Respected Sir,

Sub: Permission for conducting value added course — Reg.

I'm writing to express my interest in teaching a three-week value-added course on
Indian Agricultural Development beginning on August 3, 2019.

Thanking you sir,

Head of the Department

Head of the Department
School of Agricultural Sciences
Bharath Institute of Higher Education And Research
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai-600 073. India.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Date: 05-07-2019

SCHOOL OF AGRICULTURAL SCIENCES

CIRCULAR

Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agricultural Sciences will offer a 3-week course titled “Indian Agricultural Development” starting on August 8, 2019. On or before July 30, 2019, interested students should contact Ms. R.M. Gokula Lakshmi, Assistant Professor and Course Coordinator, School of Agricultural Sciences, for registration and further information.

Eligibility- I and II B.Sc., (Hons.) Agriculture


Course Coordinator


Dean- Agriculture

DEAN - AGRICULTURE
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Chennai-600 073. INDIA.

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Indian Agricultural Development

(2019-2020)

COURSE CO-ORDINATOR DETAILS

Faculty Name : Ms. R.M. Gokula Lakshmi, Assistant Professor,
School of Agricultural Sciences

Email ID : agrikokila@gmail.com

Mobile number : 8870523432

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE SYLLABUS
2019-2020

SHORT COURSE ON INDIAN AGRICULTURAL DEVELOPMENT

OBJECTIVES

1. To understand various phases of Indian Agriculture from pre-historic to modern time
2. To acquire knowledge on the status, utilization pattern, problems and development of agricultural resources viz. land, labour, water, biodiversity, livestock and fisheries
3. To let learners, recognise the emerging issues and trends in agriculture
4. To provide basic learning about agriculture and allied sectors for carrier development opportunities

MODULE 1: PHASES OF INDIAN AGRICULTURE

Phases of the Indian agriculture development - pre-historic agriculture vs modern agriculture. Traditions, belief and agricultural practices followed by Indian farmers. Scope of Indian agriculture and its contribution in the Indian economy.

MODULE 2: FIELDS OF AGRICULTURAL DEVELOPMENT

Status, utilization pattern, problems and development of agricultural resources - land, labour, water, biodiversity, livestock and fisheries. Institutional development in agriculture -cooperatives, farmers' organization, institutional finance, research, education and extension warehousing and storage, public distribution system.

MODULE 3: AGRICULTURAL PRODUCTION, MARKETING AND TRADE

Various concepts such as capital formation, agricultural pricing, taxation and subsidies are briefly described along with their importance in agricultural production management. The course talks about the role of food grains procurement, storage, marketing, research and technology transfer in development of Indian agriculture.

MODULE 4: AGRICULTURAL COOPERATIVE ORGANISATION

The emerging issues and trends in agriculture - diversification, agriculture industry interface, trade, quality, gender and sustainability, globalization and use of information and communication technology.

Total Contact Hours: 30

TEXT BOOKS

1. N. Agrawal: Indian Economy, Vani Educational Books (1985)
2. T. Subba Reddy : Marketing Management, S. Chand & Company New Delhi (1981)
3. R. N. Mishra ; Globalisation : Its Impact on Rural Development, Discovery Publishing House New Delhi (2003)
4. Dr. Bhogoppa ; Marketing of Agricultural Produce. A Case Study of Gulbarga Division of Karnaluka. Raihbow Publi. Coimbtore. (TamilNadu)
5. Agrawal, A. N., "Indian Agriculture", Vikas Pub. House Pvt. Ltd., 1981.
6. Jagadish Prasad Arbind Prasad : Indian Agriculture Marketing - Emerging Trends and Perspectives. Mital Publications New Delhi (1995)
7. Birla Institute of Scientific Research, "Evaluation of Agricultural Produce Market Yards - An Introduction to the Approach and Methodology", Delhi, 1983.

REFERENCE BOOKS

1. Ruddar Datt, K. P. M. Sundharam: Indian Economy. S. Chand & Company Ltd. Ram Nagar New Delhi (49*^ Revised Edition) 2004
2. Minouti Kamat; R. Krishna Moorthy ; A Text Book on Rural Marketing. Himalaya Publishing (Reprint) 2004
3. S. K. Misra, V. K. Puri ; Indian Economy Himalaya Publishing House (21@^ Revised Edition) 2003.
4. Mammoria, C B., "Agricultural Problems of India", Kitab Mahal, Allahabad, 1989.

SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE

SHORT COURSE ON INDIAN AGRICULTURAL DEVELOPMENT (2019-2020)

Session	Topic	Date	Duration (Hr)	Resource person
Session I	Evolution, Scope and Farmers Traditions of Indian Agriculture	03.08.2019	2	Dr. L. Jeyanthi Rebecca
Session II	Indian Farmers' Traditions, Beliefs and Practices	08.08.2019	2	Dr. N. Emayavaramban
Session III	Land and Water Resources and Cropping Pattern	12.08.2019	2	Ms. R.M. Gokula Lakshmi
Session IV	Plant Genetic Resources and Germplasm Conservation	14.08.2019	2	Dr. N. Emayavaramban
Session V	Agricultural Labour, Livestock and Fisheries Resources	17.08.2019	3	Ms. R.M. Gokula Lakshmi
Session VI	Agricultural Credit, Warehousing, Insurance and Public Distribution System	20.08.2019	2	Dr. N. Emayavaramban
Session VII	Capital Formation, Pricing, Taxation and Subsidies in Agriculture	21.08.2019	3	Mr. Kumari Mannan
Session VIII	Procurement and Distribution of Foodgrains	22.08.2019	3	Ms. R.M. Gokula Lakshmi
Session IX	Agricultural Research and Development and Linkages with Other Sub-Systems	24.08.2019	2	Dr. N. Emayavaramban
Session X	Diversification in Agriculture	26.08.2019	2	Dr. L. Jeyanthi Rebecca
Session XI	Issues Related to Trade, Quality, Gender and Sustainability	27.08.2019	3	Mr. Kumari Mannan
Session XII	Agriculture Industry Interface	28.08.2019	2	Dr. N. Emayavaramban
Session XIII	Information and Communication Technology in Agriculture	29.08.2019	2	Dr. L. Jeyanthi Rebecca

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE**

Indian Agricultural Development (2019-2020)

Students Name list

S.No	Reg No	Name
1	U18AG014	CHANDRU R
2	U18AG015	VIGNESH T
3	U18AG016	YEDLA RAVI TEJA
4	U18AG018	OGETI VISWANADHA SASTRY
5	U18AG028	GADDE SRI NAGA GOPI
6	U18AG029	JAISON JAYAKUMAR M
7	U18AG030	K SAI CHAITANYA
8	U18AG031	MODDU SAI SUJAN
9	U18AG032	PRAVEEN KUMAR G
10	U18AG033	PEGADA JAYASRI
11	U18AG034	SURIYA R
12	U18AG035	NEELAKANTAM SIVANI
13	U18AG036	KAYYURI POOJITHA
14	U18AG038	SAMMANA HARATHI
15	U18AG039	ASI VYSHNAVI
16	U18AG040	BOYAPATI ANUSHA
17	U18AG041	HARINI N
18	U18AG042	BASKARAN V
19	U18AG043	RAJ KUMAR N
20	U18AG044	RISHITHA
21	U19AG001	ABINAYA. M
22	U19AG012	DILIP KUMAR. M
23	U19AG024	MANISHA. D.J
24	U19AG025	MARAN. S
25	U19AG026	MUGESH. R
26	U19AG034	POOJA PATTU. R
27	U19AG040	SANGEETHA.R
28	U19AG043	SIVAPU. PRIYANAKA
29	U19AG044	SURESH KUMAR B.T
30	U19AG045	SURESH BABU. E
31	U19AG045	SURESH BABU. E
32	U19AG046	THENMOZHI.A
33	U19AG047	THIRUMAL.B
34	U19AG048	THULASI G.K
35	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF AGRICULTURAL SCIENCES

Indian Agricultural Development

Certificate of Participation

This is to certify that Mr /Ms. THENMOZHI. A (U19AG046) has attended three weeks "Indian Agricultural Development" conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during 3rd August – 28th August 2019.

R. Sivakumar

COURSE COORDINATOR

[Signature]

DEAN - AGRICULTURE
DEAN - AGRICULTURE

BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)

Chennai-600 073. INDIA.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Indian Agricultural Development

Date: 28.8.2019

Course Title: Indian Agricultural Development

Name: R. SURYA

Reg. No.: U18 AG1034

Department: School of Agricultural Sciences

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you		✓			
2	Course content met with your expectation			✓		
3	Lecture sequence was well planned			✓		
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective				✓	
6	Instructors encourage interaction and were helpful			✓		
7	The level of the course				✓	
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

Please give suggestion for the improvement of the course

R. SURYA
Signature



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Indian Agricultural Development

Date: 28-08-2019

Course Title: Indian Agricultural Development

Name: R. MUGESH

Reg. No.: U19AG026

Department: School of agricultural sciences

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you			✓		
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned		✓			
4	Lectures were clear and easy to understand			✓		
5	Teaching Aids were effective			✓		
6	Instructors encourage interaction and were helpful				✓	
7	The level of the course				✓	
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

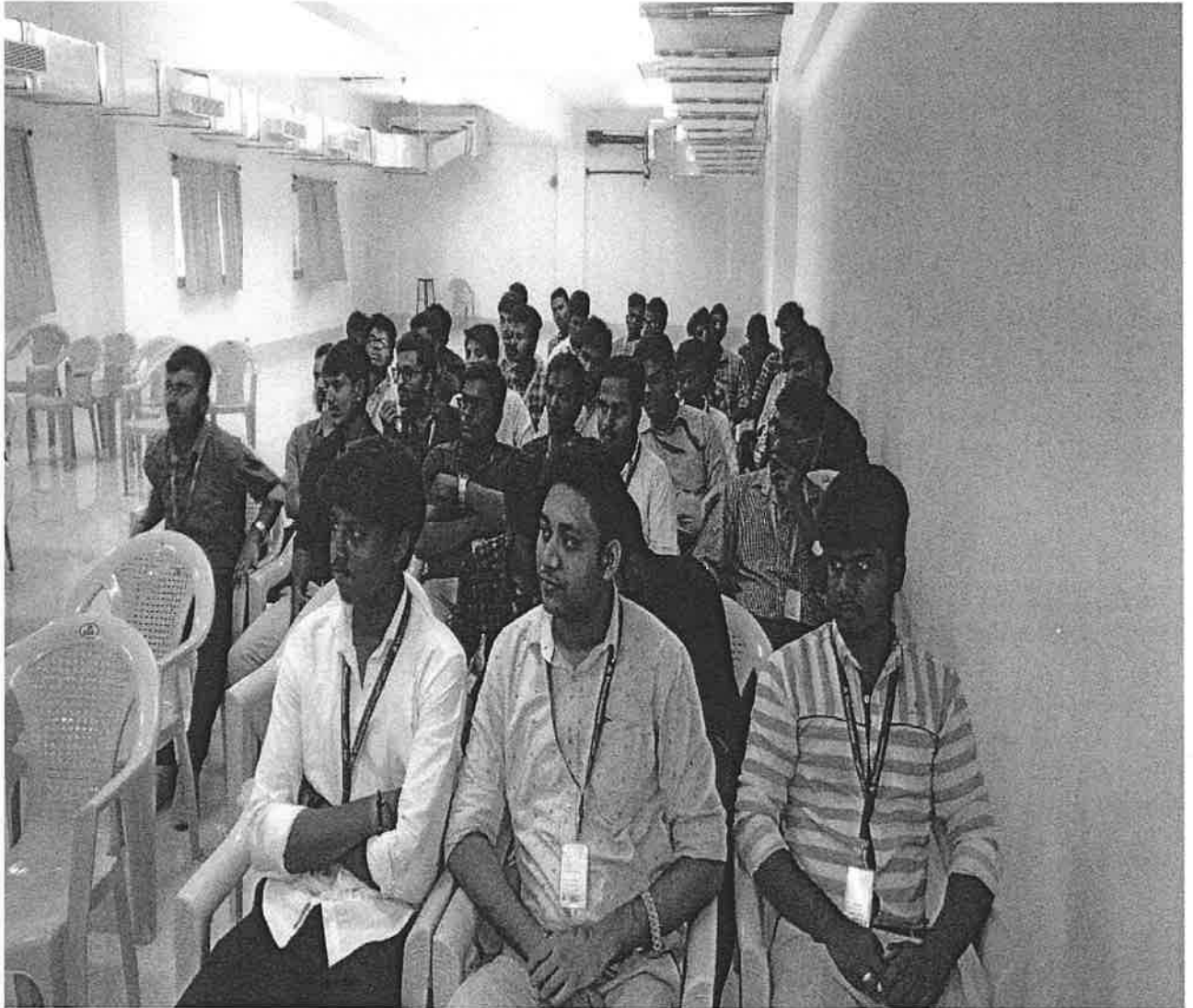
Please give suggestion for the improvement of the course


Signature

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE
Indian Agricultural Development (2019-2020)
Students Feedback

S.No	Reg No	Name	Rating
1	U18AG014	CHANDRU R	5
2	U18AG015	VIGNESH T	4.4
3	U18AG016	YEDLA RAVI TEJA	3.7
4	U18AG018	OGETI VISWANADHA SASTRY	4.5
5	U18AG028	GADDE SRI NAGA GOPI	4.5
6	U18AG029	JAISON JAYAKUMAR M	4
7	U18AG030	K SAI CHAITANYA	5
8	U18AG031	MODDU SAI SUJAN	4.5
9	U18AG032	PRAVEEN KUMAR G	5
10	U18AG033	PEGADA JAYASRI	4
11	U18AG034	SURIYA R	4.5
12	U18AG035	NEELAKANTAM SIVANI	5
13	U18AG036	KAYYURI POOJITHA	5
14	U18AG038	SAMMANA HARATHI	5
15	U18AG039	ASI VYSHNAVI	4.5
16	U18AG040	BOYAPATI ANUSHA	5
17	U18AG041	HARINI N	4.5
18	U18AG042	BASKARAN V	4.5
19	U18AG043	RAJ KUMAR N	5
20	U18AG044	RISHITHA	5
21	U19AG001	ABINAYA. M	5
22	U19AG012	DILIP KUMAR. M	5
23	U19AG024	MANISHA. D.J	4
24	U19AG025	MARAN. S	4
25	U19AG026	MUGESH. R	4
26	U19AG034	POOJA PATTU. R	4.5
27	U19AG040	SANGEETHA.R	4.5
28	U19AG043	SIVAPU. PRIYANAKA	4
29	U19AG044	SURESH KUMAR B.T	4
30	U19AG045	SURESH BABU. E	4
31	U19AG045	SURESH BABU. E	4.5
32	U19AG046	THENMOZHILA	4.5
33	U19AG047	THIRUMAL.B	4
34	U19AG048	THULASI G.K	4.5
35	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA	4

INDIAN AGRICULTURAL DEVELOPMENT





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)



Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.

05.07.2019

From
Head of the Department,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

To
The Dean,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

Respected Sir,

Sub: Permission for conducting value added course — Reg.

I'm writing to express my interest in teaching a three-week value-added course on
Cooperatives and Farmer's Organizations beginning on August 3, 2019.

Thanking you sir,

Head of the Department
Head of the Department
School of Agricultural Sciences
Bharath Institute of Higher Education And Research
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai- 600 073. India.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Date: 05-07-2019

SCHOOL OF AGRICULTURAL SCIENCES

CIRCULAR

Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agricultural Sciences will offer a 3-week course titled "Cooperatives and Farmer's Organizations" starting on August 8, 2019. On or before July 30, 2019, interested students should contact Ms. R.M. Gokula Lakshmi, Assistant Professor and Course Coordinator, School of Agricultural Sciences, for registration and further information.

Eligibility- I and II B.Sc., (Hons.) Agriculture


Course Coordinator


Dean - Agriculture

DEAN - AGRICULTURE
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Chennai-600 073. INDIA.

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Cooperatives and Farmer's Organizations

(2019-2020)

COURSE CO-ORDINATOR DETAILS

Faculty Name : Ms. R.M. Gokula Lakshmi, Assistant Professor,
School of Agricultural Sciences

Email ID : agrikokila@gmail.com

Mobile number : 8870523432

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE SYLLABUS
2019-2020

SHORT COURSE ON COOPERATIVES AND FARMER'S ORGANISATIONS

OBJECTIVES

1. To understand the structure, laws and management of cooperatives
2. To acquire an extensive knowledge on people's participation and farmers organisations
3. To acquire knowledge about various agricultural cooperatives and various policies

MODULE 1: CO-OPERATION AND CO-OPERATIVE CREDIT

Principles of Co-operation, History of Co-operative Movement in India, Development of Co-operatives in Post-Independence Period, The Committee on Co-operative Credit (1960), Crificard 1979-81, Multi-State Co-operative Act 1984, Agricultural Credit Review Committee 1986-89, Co-operatives and the government: The Third Path

MODULE 2: CO-OPERATIVE CREDIT INSTITUTIONS

Management, Area of operation Organisational structure, lending programmes Membership, Share Capital, Liability, Sources of Funds, Loaning Policies and Regulations of Primary Agricultural Credit Societies (PACS) –PACS, Central Co-operative Banks (CCBs), State Co-operative Bank (SCB), Rehabilitation of SLDBs/PLDBs

MODULE 3: COOPERATIVES AND ITS TYPES

Cooperative credit Societies, Consumers cooperative societies, Producer cooperative society, Marketing Cooperative Society, Cooperative farming societies, Multi-Purpose Co-operative Society – Credit arrangements, Improved Method of Agriculture, Marketing and Business, Set up, Memberships and saving formalities.

MODULE 4: AGRICULTURAL COOPERATIVE ORGANISATION

Agricultural Cooperation - credit, marketing, consumer and multi-purpose cooperatives, farmers' service cooperative societies, processing cooperatives, farming cooperatives, cooperative warehousing; role of ICA, NCUI, NCDC, NAFED - Strength and weakness of co-operative credit system, Policies for revitalizing co-operative credit.

Total Contact Hours: 30

TEXT BOOKS

1. Muniraj, R. 1987. Farm Finance for Development. Oxford & IBH. New Delhi.
2. Subba Reddy, S and P. Raghu Ram. 2011. Agricultural Finance and Management. Oxford & IBH. New Delhi.
3. Lee, W.F., M.D. Boehlje, A.G. Nelson and W.G. Murray. 1998. Agricultural Finance. Kalyani Publishers. New Delhi.
4. Mammoria, C.B. and R.D. Saxena. 1973. Cooperation in India. Kitab Mahal. Allahabad. Patnaik, V.E. and A.K. Roy. 1988. Cooperation and Cooperative Management. Kalyani Publishers. Ludhiana.

REFERENCE BOOKS

1. Hejela.T.N., Principles, problems and Practice of Co-operation, Konark Publishers, New Delhi, 2000.
2. John A. Winfred & V. Kulandaisamy, History of Co-operative Thought, Rainbow Publications , Coimbatore, 1986,
3. Krishnaswami O.R., Fundamentals of Co-operation, : S. Chand & Company, New Delhi, 1989.
4. Krishnaswami O.Rr & V. Kulandaisamy, Theory of Co-operation- An indepth Analysis, : Shanma Publication, Coimbatore, 1992.
5. Mathur B,S. Co-operation in India, Sahithya Bhavan Publishers, Agra 1989.
6. Bedi,R.D., Theory, History and Practice of Co-operation. R. Lal Book Depot, Meerut,2001.

SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE

COURSE ON COOPERATIVES AND FARMER'S ORGANISATIONS (2019-2020)

Session	Topic	Date	Duration (Hr)	Resource person
Session I	Agricultural Cooperation in India – Meaning, brief history of cooperative development in India.	03.08.2019	3	Dr. N. Emayavaramban
Session II	Pre and Post - Independence periods and Co-operation in different plan periods and objectives	12.08.2019	3	Dr. N. Emayavaramban
Session III	Principles of cooperation, significance of cooperatives in Indian agriculture	14.08.2019	4	Ms. R.M. Gokula Lakshmi
Session IV	Co-operating credit structure: short term and long term	17.08.2019	3	Mr. Kumari Mannan
Session V	Role of PACS, CCB, SLB, SLDB, PLDB	20.08.2019	3	Ms. R.M. Gokula Lakshmi
Session VI	Agricultural Cooperation - credit, marketing, consumer and multi-purpose cooperatives, farmers' service cooperative societies, processing cooperatives, farming cooperatives, cooperative warehousing	21.08.2019	4	Ms. R.M. Gokula Lakshmi
Session VII	Role of ICA, NCUI, NCDC and NAFED.	22.08.2019	3	Mr. Kumari Mannan
Session VIII	Strength and weakness of co-operative credit system,	24.08.2019	3	Dr. N. Emayavaramban
Session IX	Policies for revitalizing co-operative credit	26.08.2019	4	Dr. L. Jeyanthi Rebacca

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE
Cooperatives and Farmer's Organizations (2019-2020)
Students Name list

S.No	Reg No	Name
1	U18AG002	YASHIKA S
2	U18AG004	SIVAPRIYA S
3	U18AG011	VAGGA VARSHINI
4	U18AG012	NARMADHA D
5	U18AG013	JAWAHAR R
6	U18Av014	CHANDRU R
7	U18AG015	VIGNESH T
8	U18AG016	YEDLA RAVI TEJA
9	U18AG018	OGETI VISWANADHA SASTRY
10	U18AG028	GADDE SRI NAGA GOPI
11	U18AG029	JAISON JAYAKUMAR M
12	U18AG030	K SAI CHAITANYA
13	U18AG031	MODDU SAI SUJAN
14	U18AG032	PRAVEEN KUMAR G
15	U18AG033	PEGADA JAYASRI
16	U18AG034	SURIYA R
17	U18AG035	NEELAKANTAM SIVANI
18	U18AG036	KAYYURI POOJITHA
19	U18AG038	SAMMANA HARATHI
20	U18AG039	ASI VYSHNAVI
21	U18AG040	BOYAPATI ANUSHA
22	U18AG041	HARINI N
23	U18AG042	BASKARAN V
24	U18AG043	RAJ KUMAR N
25	U18AG044	RISHITHA
26	U19AG001	ABINAYA. M
27	U19AG012	DILIP KUMAR. M
28	U19AG013	GANJI. CHANDU
29	U19AG015	GUTTULA TEJASWI
30	U19AG020	KAVIYA SRI. S
31	U19AG021	KAVIYARASAN. R
32	U19AG022	KOMALA. N
33	U19AG024	MANISHA. D.J
34	U19AG025	MARAN. S
35	U19AG026	MUGESH. R
36	U19AG034	POOJA PATTU. R
37	U19AG040	SANGEETHA.R
38	U19AG043	SIVAPU. PRIYANAKA
39	U19AG044	SURESH KUMAR B.T
40	U19AG045	SURESH BABU. E

41	U19AG045	SURESH BABU. E
42	U19AG046	THENMOZHI.A
43	U19AG047	THIRUMAL.B
44	U19AG048	THULASI G.K
45	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA

hayan



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF AGRICULTURAL SCIENCES

Cooperatives and Farmer's Organizations

CERTIFICATE OF PARTICIPATION

This is to certify that Mr / Ms. PRAVEEN KUMAR G (U18AG032) has attended three weeks course entitled as “**Cooperatives and Farmer's Organizations**” conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during 3rd August – 28th August 2019.

P. M. Gokula

COURSE COORDINATOR

P. M. Gokula

DEAN-AGRICULTURE
DEAN - AGRICULTURE

BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)

Chennai-600 073. INDIA.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Cooperatives and Farmer's Organizations

Date: 26.08.2019

Course Title: Cooperatives and Farmer's Organizations

Name: T. Nignesh

Reg. No.: U18B6015

Department: School of Agricultural Science.

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you			✓		
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned			✓		
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective				✓	
6	Instructors encourage interaction and were helpful			✓		
7	The level of the course				✓	
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

Please give suggestion for the improvement of the course


Signature



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Cooperatives and Farmer's Organizations

Date: 26.08.2019

Course Title: Cooperatives and Farmer's Organizations

Name: Kaviya Sri. S.

Reg. No.: U19 AG1020

Department: School of Agricultural Sciences.

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you					✓
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned					✓
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective					✓
6	Instructors encourage interaction and were helpful					✓
7	The level of the course					✓
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

Please give suggestion for the improvement of the course

Signature

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE
Cooperatives and Farmer's Organizations (2019-2020)
Students Feedback

S.No	Reg No	Name	Rating
1	U18AG002	YASHIKA S	3.5
2	U18AG004	SIVAPRIYA S	4.5
3	U18AG011	VAGGA VARSHINI	4.5
4	U18AG012	NARMADHA D	5
5	U18AG013	JAWAHAR R	4.6
6	U18Av014	CHANDRU R	5
7	U18AG015	VIGNESH T	4.4
8	U18AG016	YEDLA RAVI TEJA	3.7
9	U18AG018	OGETI VISWANADHA SASTRY	4.5
10	U18AG028	GADDE SRI NAGA GOPI	4.5
11	U18AG029	JAISON JAYAKUMAR M	4
12	U18AG030	K SAI CHAITANYA	5
13	U18AG031	MODDU SAI SUJAN	4.5
14	U18AG032	PRAVEEN KUMAR G	5
15	U18AG033	PEGADA JAYASRI	4
16	U18AG034	SURIYA R	4.5
17	U18AG035	NEELAKANTAM SIVANI	5
18	U18AG036	KAYYURI POOJITHA	5
19	U18AG038	SAMMANA HARATHI	5
20	U18AG039	ASI VYSHNAVI	4.5
21	U18AG040	BOYAPATI ANUSHA	5
22	U18AG041	HARINI N	4.5
23	U18AG042	BASKARAN V	4.5
24	U18AG043	RAJ KUMAR N	5
25	U18AG044	RISHITHA	5
26	U19AG001	ABINAYA. M	5
27	U19AG012	DILIP KUMAR. M	5
28	U19AG013	GANJI. CHANDU	4.5
29	U19AG015	GUTTULA TEJASWI	4
30	U19AG020	KAVIYA SRI. S	4.5
31	U19AG021	KAVIYARASAN. R	4.5
32	U19AG022	KOMALA. N	5
33	U19AG024	MANISHA. D.J	4
34	U19AG025	MARAN. S	4
35	U19AG026	MUGESH. R	4
36	U19AG034	POOJA PATTU. R	4.5
37	U19AG040	SANGEETHA.R	4.5
38	U19AG043	SIVAPU. PRIYANAKA	4
39	U19AG044	SURESH KUMAR B.T	4
40	U19AG045	SURESH BABU. E	4

41	U19AG045	SURESH BABU. E	4.5
42	U19AG046	THENMOZHILA	4.5
43	U19AG047	THIRUMAL.B	4
44	U19AG048	THULASI G.K	4.5
45	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA	4

COOPERATIVES AND FARMER'S ORGANIZATIONS





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)



Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.

05.07.2019

From
Head of the Department,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

To
The Dean,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Chennai- 600 073

Respected Sir,

Sub: Permission for conducting value added course — Reg.

I'm writing to express my interest in teaching a three-week value-added course on **Fundamentals of Plant Health Management for Plant Health Doctors** beginning on August 3, 2019.

Thanking you sir,

Head of the Department

Head of the Department
School of Agricultural Sciences
Bharath Institute of Higher Education And Research
(Declared as Deemed to be University US 3 of UGC Act. 1956)
Chennai- 600 073, India.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Date: 05-07-2019

SCHOOL OF AGRICULTURAL SCIENCES

CIRCULAR

Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agricultural Sciences will offer a 3-week course titled “**Fundamentals of Plant Health Management for Plant Health Doctors**” starting on August 8, 2019. On or before July 30, 2019, interested students should contact Ms. R.M. Gokula Lakshmi, Assistant Professor and Course Coordinator, School of Agricultural Sciences, for registration and further information.

Eligibility- I and II B.Sc., (Hons.)Agriculture


Course Coordinator


Dean- Agriculture

DEAN - AGRICULTURE
Chennai-600 073, INDIA.

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURE

Fundamentals of Plant Health Management for Plant Health

Doctors

(2019-2020)

COURSE CO-ORDINATOR DETAILS

Faculty Name : Ms. R.M. Gokula Lakshmi, Assistant Professor,
Faculty of Agricultural Sciences
Email ID : agrikokila@gmail.com
Mobile number : 8870523432

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE SYLLABUS 2019-2020

Fundamentals of Plant health management for plant health

Objective:

1. To enhance skills of Students in promotion of AESA based plant health management
2. Acquire knowledge about integrated pest management and concepts of Biological control, and application techniques.
3. To understand the Good Agricultural practise

Module:1 Epidemiology and Diagnosis of Plant pest and diseases: Classification of plant diseases - Disease triangle/ Disease Pyramid - Epidemiology of plant pest and diseases - role of weather factors in pest and disease development - survival and dispersal of plant pathogens- pest and Disease surveillance, assessment and forecasting– Diagnosis of plant pest and diseases- Seed health tests- chemodiagnosis, serodiagnosis and Molecular diagnosis

Module: 2 AESA and Ecological Engineering in pest management: Sustainable pest management in crops, NIPHM organized crop specific, Season long training programme on AESA based PHM in conjunction PHM with Ecological Engineering for pest management in field crops and horticultural are organised. FFS methodology Integrated soil nutrient and weed management, Rhizosphere Engineering and ecological engineering for pest management

Module: 3 Micro biomes plant growth and Biotechnological approaches: Rhizosphere, spermsphere, phyllosphere, epiphytic and endophytic micro biomes and their significance. Plant growth promoting rhizobacteria and soil microorganisms and their interactions – positive and negative interactions. Rhizosphere Engineering and ecological engineering for pest management. Structural and bio chemical resistance in plants. Biotechnological approaches for crop health management.

Module: 4 Integrated Pest Management and good agricultural practise – IPM requirements for successful pest management programme, Cultural, physical, mechanical, Parasitoids, predators and microbial agents in pest management. Identification and mass culturing of different types of parasitoids , predators and entomopathogens identification and mass culturing of different types of parasitoids , predators and entomopathogens . Pesticide formulations and toxicity parameters. Pesticides compatibility, safety and hazards in the use of pesticides – pesticide poisoning - impact of pesticides in agro-ecosystem

TEXT BOOK:

1. Prakasam,V., T.Raguchander and K.Prabakar, 2006. Applied Plant Pathology, A.E. publications, Coimbatore.
2. Dinakaran,D, Arjunan,G and Karthikeyan,G.2003. Biological control of crop diseases

REFERENCE:

1. Agrios, G.N. 2005. Plant Pathology – (5th Edition). Academic Press, New York.
2. Richard N. Strange. 2003. Introduction of Plant Pathology - John Wiley & Sons Ltd, London
3. Dale Walters (2009). Disease control in crops. Blackwell Publishing Ltd, UK

SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE

FUNDAMENTALS OF PLANT HEALTH MANAGEMENT FOR PLANT HEALTH (2019-2020)

Session	Topic	Date	Duration (Hr)	Resource person
Session 1	Classification of plant Pest and diseases .Epidemiology of plant pest and diseases	03.08.2019	3	Dr. N. Emayavaramban
Session 2	Pest and Disease surveillance, assessment and forecasting,Diagnosis of plant pest and diseases	06.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 3	AESA based PHM in conjunction PHM with Ecological Engineering for pest management	09.08.2019	2	Mr. Kumari Mannan
Session 4	FFS methodology Integrated soil nutrient and weed management	08.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 5	Rhizosphere Engineering and ecological engineering for pest management	12.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 6	Structural and bio chemical resistance in plants	14.08.2019	2	Mr. Kumari Mannan
Session 7	Plant growth promoting rhizobacteria and soil microorganisms	17.08.2019	2	Dr. L. Jeyanthi Rebacca
Session 8	Biotechnological approaches for crop health management.	19.08.2021	3	Dr. N. Emayavaramban
Session 9	IPM requirements for successful pest management programme	20.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 10	Parasitoids, predators and microbial agents in pest management	21.08.2019	3	Dr. N. Emayavaramban
Session 11	Identification and mass culturing of different types of parasitoids , predators and entomopathogens	22.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 12	Pesticides compatibility, safety and hazards in the use of pesticides	24.08.2019	2	Ms. R.M. Gokula Lakshmi
Session 13	pesticide-poisoning and impact of pesticides in agro-ecosystem	26.08.2019	3	Mr. Kumari Mannan

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE

Fundamentals of Plant Health Management for Plant Health Doctors (2019-2020)

Students Name list

S.No	Reg No	Name
1	U18AG002	YASHIKA S
2	U18AG004	SIVAPRIYA S
3	U18AG005	ANBARASAN B
4	U18AG006	YOGESHWARAN K
5	U18AG007	K S HIMA BINDU
6	U18AG008	BALAJI V
7	U18AG009	MUTHUVEL G
8	U18AG010	SOWMYA K
9	U18AG011	VAGGA VARSHINI
10	U18AG020	GOWSHIK BALA S M
11	U18AG021	GADDE MANEESH KUMAR
12	U18AG022	DINESH R
13	U18AG023	P JYOTHIKA
14	U18AG027	KAVIYA SRI J
15	U18AG028	GADDE SRI NAGA GOPI
16	U18AG029	JAISON JAYAKUMAR M
17	U18AG030	K SAI CHAITANYA
18	U18AG031	MODDU SAI SUJAN
19	U18AG032	PRAVEEN KUMAR G
20	U18AG033	PEGADA JAYASRI
21	U18AG034	SURIYA R
22	U18AG035	NEELAKANTAM SIVANI
23	U18AG036	KAYYURI POOJITHA
24	U18AG038	SAMMANA HARATHI
25	U18AG039	ASI VYSHNAVI
26	U18AG040	BOYAPATI ANUSHA
27	U18AG041	HARINI N
28	U18AG042	BASKARAN V
29	U18AG043	RAJ KUMAR N
30	U18AG044	RISHITHA
31	U19AG001	ABINAYA. M
32	U19AG003	ABIRAMI. J
33	U19AG004	ABISHEK. R
34	U19AG006	BALAJI. B
35	U19AG007	BANDI. MADHURI
36	U19AG010	DHAIRIYA LAKSHMI
37	U19AG011	DHEERATHANA. P
38	U19AG012	DILIP KUMAR. M
39	U19AG013	GANJI. CHANDU
40	U19AG015	GUTTULA TEJASWI

41	U19AG020	KAVIYA SRI. S
42	U19AG022	KOMALA. N
43	U19AG024	MANISHA. D.J
44	U19AG025	MARAN. S
45	U19AG026	MUGESH. R
46	U19AG034	POOJA PATTU. R
47	U19AG040	SANGEETHA.R
48	U19AG044	SURESH KUMAR B.T
49	U19AG045	SURESH BABU. E
50	U19AG045	SURESH BABU. E
51	U19AG046	THENMOZHILA
52	U19AG047	THIRUMAL.B
53	U19AG048	THULASI G.K

hyan



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF AGRICULTURAL SCIENCES
Fundamentals of Plant Health Management for Plant Health Doctors

Certificate of Participation

This is to certify that Mr /Ms. SURESH KUMAR B.T (U19AG044) has attended three weeks "Fundamentals of Plant Health Management for Plant Health Doctors" conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during 3rd August – 28th August 2019.

R. S. Senthil
COURSE COORDINATOR

[Signature]
DEAN-AGRICULTURE

DEAN - AGRICULTURE
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Chennai-600 073, INDIA.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Fundamentals of Plant Health Management for Plant Health Doctors

Date: 26.08.2019

Course Title: Fundamentals of Plant Health Management for Plant Health Doctors

Name: *Asi Vajrmani*

Reg. No.: *V18A9039*

Department: *School of Agricultural Sciences*

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you				✓	
2	Course content met with your expectation				✓	
3	Lecture sequence was well planned				✓	
4	Lectures were clear and easy to understand				✓	
5	Teaching Aids were effective					✓
6	Instructors encourage interaction and were helpful					✓
7	The level of the course				✓	
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course				✓	

Please give suggestion for the improvement of the course

Asi Vajrmani
Signature



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF AGRICULTURAL SCIENCES

Course Feedback Form

Fundamentals of Plant Health Management for Plant Health Doctors

Date: 26.08.2019

Course Title: Fundamentals of Plant Health Management for Plant Health Doctors

Name: Abhishek.R

Reg. No.: U19AG004

Department: School of Agricultural Sciences

S. No.	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1	Objectives of the course clear to you					5
2	Course content met with your expectation					5
3	Lecture sequence was well planned					5
4	Lectures were clear and easy to understand					5
5	Teaching Aids were effective					5
6	Instructors encourage interaction and were helpful					5
7	The level of the course					5
(1. Very Poor 2. Poor 3. Average 4. Good 5. Excellent)						
8	Overall rating of the course					5

Please give suggestion for the improvement of the course


Signature

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES**

VALUE ADDED COURSE

Fundamentals of Plant Health Management for Plant health doctors (2019-2020)

Students Feedback

S.No	Reg No	Name	Rating
1	U18AG002	YASHIKA S	3.5
2	U18AG004	SIVAPRIYA S	4.5
3	U18AG005	ANBARASAN B	4.5
4	U18AG006	YOGESHWARAN K	3
5	U18AG007	K S HIMA BINDU	4.4
6	U18AG008	BALAJI V	3.5
7	U18AG009	MUTHUVEL G	4.5
8	U18AG010	SOWMYA K	5
9	U18AG011	VAGGA VARSHINI	4.5
10	U18AG020	GOWSHIK BALA S M	5
11	U18AG021	GADDE MANEESH KUMAR	5
12	U18AG022	DINESH R	5
13	U18AG023	P JYOTHIKA	5
14	U18AG027	KAVIYA SRI J	5
15	U18AG028	GADDE SRI NAGA GOPI	4.5
16	U18AG029	JAISON JAYAKUMAR M	4
17	U18AG030	K SAI CHAITANYA	5
18	U18AG031	MODDU SAI SUJAN	4.5
19	U18AG032	PRAVEEN KUMAR G	5
20	U18AG033	PEGADA JAYASRI	4
21	U18AG034	SURIYA R	4.5
22	U18AG035	NEELAKANTAM SIVANI	5
23	U18AG036	KAYYURI POOJITHA	5
24	U18AG038	SAMMANA HARATHI	5
25	U18AG039	ASI VYSHNAVI	4.5
26	U18AG040	BOYAPATI ANUSHA	5
27	U18AG041	HARINI N	4.5
28	U18AG042	BASKARAN V	4.5
29	U18AG043	RAJ KUMAR N	5
30	U18AG044	RISHITHA	5
31	U19AG001	ABINAYA. M	5
32	U19AG003	ABIRAMI. J	4.5
33	U19AG004	ABISHEK. R	5
34	U19AG006	BALAJI. B	5
35	U19AG007	BANDI. MADHURI	4.5
36	U19AG010	DHAIRIYA LAKSHMI	4
37	U19AG011	DHEERATHANA. P	5
38	U19AG012	DILIP KUMAR. M	5
39	U19AG013	GANJI. CHANDU	4.5
40	U19AG015	GUTTULA TEJASWI	4

41	U19AG020	KAVIYA SRI. S	4.5
42	U19AG022	KOMALA. N	5
43	U19AG024	MANISHA. D.J	4
44	U19AG025	MARAN. S	4
45	U19AG026	MUGESH. R	4
46	U19AG034	POOJA PATTU. R	4.5
47	U19AG040	SANGEETHA.R	4.5
48	U19AG044	SURESH KUMAR B.T	4
49	U19AG045	SURESH BABU. E	4
50	U19AG045	SURESH BABU. E	4.5
51	U19AG046	THENMOZHI.A	4.5
52	U19AG047	THIRUMAL.B	4
53	U19AG048	THULASI G.K	4.5

**FUNDAMENTALS OF PLANT HEALTH MANAGEMENT FOR PLANT
HEALTH DOCTORS**

