



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' Approved by AICTE ISO 9001-2015 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. 08645 - 350200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

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XXXIV ACADEMIC COUNCIL – ANNEXURE 2.7

KL COLLEGE OF AGRICULTURE

Minutes of the Second Board of Studies (BOS) meeting at KL College of Agriculture held on July 7, 2021, in Room No. 514, SDC Block, starting at 2:00 p. m.

The following members are present

1. Dr.R.Veera Ragavaiah, Director, Chairman- BoS
2. Mr.K.Veera bhadra Rao, Head of the Department
3. Mrs.M.Padmavathi, Assistant Professor, Member
4. Dr.Krishnanand P. Ingle, Associate Professor, Member
5. Dr.M.Sree Devi, Assistant Professor, Member
6. Dr. Ranjeet Kumar JHA, Assistant Professor, Member
7. Dr. Atul Singh, Assistant Professor, Member
8. Mrs.P.Manasa, Assistant Professor, Member
9. Dr.M.Dolpriya Devi, Assistant Professor, Member

Members Absent-Nil

WELCOMING ALL THE MEMBERS

At the beginning of the meeting, the BOS chair, Dr. Veera Raghavaiah Ravuri welcomed the invitees and members to the Second BOS meeting of KL College of Agriculture, KLEF. As per the agenda, the following points were discussed. After that, the BOS reviewed and resolved the following items.

AGENDA and RESOLUTIONS

AGENDA ITEM-1

Changes in Mid Semester Question paper pattern.	The mid semester paper has been changed accordingly
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In order to match with the norms of the university where equal weightage should be given to all the Cos, att the COs, a new question paper pattern to satisfy such requirements has been made.

The same shall be followed henceforth.

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Mid Semester question paper pattern is as follows:

Semester exam	Section	Type	Component	Marks
Mid Sem	Part A	Fill in the blanks	8x1	8
		Multiple choice questions	10x0.5	5
		True/False/Matching/Abbreviations	14x0.5	7
			Total	20
	Part B	2 Marks questions	4x2	8
		3 Marks questions	4x3	12
		5 Marks questions	2x5	10
			Total	30
		Grand Total	50	

AGENDA ITEM-2

Introduction of Basics of Computer course for 1 st semester students and inclusion of bridge course for MPC brnch students (Non-gradial) course	New course introduced for Y2I batch and bridge course is to be included for MPC branch students (If any)
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Resolution

Following the suggestions of the BoS members, a new course entitled Introduction to computers (0-0-3-0) shall be introduced to focus on the improvement of basic computer skills for the students. Further' fromY2I onwards, if any students of MPC branch were to be admitted, they will have to study a bridge course entitled Introductory biology (1-0-3-0) to provide the basics of biology to the students.

The detailed syllabus of the new courses, programme structure and newly introduced courses are presented in Annexure I, II, III.

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Annexure I : Syllabus for newly introduced courses

Course Title:	Introduction to computers. (*Non- gradial course)
Credits Hours:	1(0+1)
Course code:	21 AGIC 100
L-T-P:	0-0-3-0
Semester:	I
Course Instructor and Course Coordinator:	K. Veera bhadra rao.

Course outlines

Practical:

1. Describe the history of computers.
2. Use and understand basic computer terminology.
3. Recommend the purchase of a computer based on its intended use (hardware, O/S, and application software).
4. Basics of Computer Architecture.
5. Use troubleshooting techniques to identify hardware, O/S, and application software problems
6. Efficiently search and utilize the Internet for research, e-commerce, education, etc.
7. Create, edit, and format a document using Microsoft Word
8. Create, edit, utilize functions, create conditions and format spreadsheets using Microsoft Excel
9. Create presentations using Microsoft PowerPoint
10. Basics of computer Databases.
11. Design and create a functional web page including internal and external links using open source software
12. Basics of computer Software systems.
13. Basics of Computer networking.
14. Fundamentals of Computer programming languages.
15. Shell scripting and PowerShell basics.
16. Basics of Operating systems and commands.

References:

1. Tanenbaum A.S.: Structured Computer Organization, EEE, Prentice hall India, 5th Edition.
2. Stallings W.: Computer Organization & Architecture, Prentice hall India, 5th Edition.
3. Rajaraman V.: Fundamentals of Computers, EEE, Prentice Hall India.
4. Kamra A. and Bhambri P (2008): Computer Peripherals and Interfaces, Technical Publication, Pune.

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5. "IBM PC and Clones- hardware Troubleshooting & Maintenance", B. Govindraju, Tata McGraw Hill.
6. "The Complete PC Upgrade and Maintenance Guide", 16th edition, Mark Minasi, Wiley India.
7. "Hardware Bible, Premier Edition", Winn L Rosch, Techmedia.

At the end of the course, students will be able to:

CO No:	CO	PO	BTL
5	Apply the basics of computers to real life and to do basic level of programming.	1	3

Course Title:	INTRODUCTORY BIOLOGY(*Non-gradial course)
Credits Hours:	2(1+1)
Course code:	21 CPHY 161
L-T-P:	1-0-3-0
Semester:	I

CO No:	CO	PO	BTL
1	Understand Concepts of prokaryotes and eukaryotes	1	2
2	Understand Concepts of cell organelles	1	2
3	Understand Concepts of morphology of flowering plants	1	2
4	Understand Concepts of systematics of flowering plants	1	2
5	Apply principles of morphology of plants	1	2

Course outlines

Theory

Introduction to the living world. Diversity and characteristics of life, Origin of life, Evolution and Eugenics. Binomial nomenclature and classification, Cell and cell division. Morphology of flowering plants. Seed and seed germination. Plant systematic-viz; Brassicaceae, Fabaceae and Poaceae. Role of animals in agriculture.



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Practical

Morphology of lower plants - root, stem and leaf and their modifications. Inflorescence, flower and fruits. Cell. Tissues & cell division. Internal structure of root, stem and leaf. Study of specimens and slides. Description of plants- Brassicaceae, Fabaceae and Poaceae.

Lecture outlines

Theory

1. Introduction to living world - Properties of life or living things – Growth, development and reproduction, regulation and homeostasis - Diversity of Life – Major domains/ kingdoms of living beings – Bacteria (Eubacteria), Archaea (Archebacteria) and Eukarya (Protista, fungi, plantae, animalia) - Concepts of prokaryotes and eukaryotes, unicellular and multicellular organisms, plants and animals, sporophyte and gametophyte, monocots and dicots - Salient features, classification and alternation of generations of the plants of the following groups – Algae, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms - Evolutionary relationships and differences among different kingdoms, viruses, viroids, prions and lichens and their special features.
2. Origin of life – Theories of origin of life - Special creation, extra-terrestrial and spontaneous - Location of origin of life - Miller-Urey's experiment, Path of evolution of chemical molecules of living beings, theories of origin of cells – Endosymbiotic theory, Bubble theory.
3. Evolution and eugenics – Theories of evolution, eugenics - History, meanings and types.
4. Nomenclature of living beings - Basics in biological classification, need for classification, importance of classification, nomenclature – Polynomial, binomial and trinomial systems of nomenclature - Rules of binomial nomenclature, hierarchy of classification.
5. Cells – Cell structure and organization of plants and animals - Cell theory and cells as the basic unit of life - Overview of the cell. Prokaryotic cells, ultra structure of plant cell (structure in detail and functions in brief) - Cell membrane, cell wall, cell organelles - Morphology and function: Endoplasmic reticulum, mitochondria, plastids, ribosomes, golgi bodies, vacuoles, lysosomes, microbodies, centrosome and centriole, cilia, flagella, cytoskeleton and nucleus.
6. Chromosomes - Number, structural organization - Nucleosome.
7. Cell cycle, cell division - Somatic cell division or mitosis – Stages and phases - Reproductive cell division or meiosis – Stages and phases and significance.
8. Morphology of flowering plants - Roots - Characters, types and modifications of roots, basic external and internal structural organization of root in monocots and dicots.

Dr.
M. S. A. R.
HOD

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9. Morphology of flowering plants - Stems - Characters, functions and modification of stems - Basic external and internal structural organization of stem in monocots and dicots.
10. Morphology of flowering plants - Leaf - Parts, functions, types and modifications of leaves - Leaf venation and phyllotaxy.
11. Morphology of flowering plants - Inflorescence - types of inflorescences, types of racemose inflorescence, types of cymose inflorescence - Special types of inflorescences.
12. Morphology of flowering plants - Flower - Structure and parts of flower, types of flowers based on sex distribution, structural symmetry, position of gynoecium, aestivation - Description of types of calyx, corolla, stamens and ovary; Seed -Structure and organization of seed in monocots and dicots - Seed germination -Necessary conditions for germination.
13. Plant systematics – Brassicaceae - Distribution, important plants, economic importance, vegetative and floral characters, pollination, fruit and seed characters.
14. Plant systematics - Fabaceae - Distribution, important plants, economic importance, vegetative and floral characters, pollination, fruit and seed characters.
15. Plant systematics - Poaceae - Distribution, important plants, economic importance, vegetative and floral characters, pollination, fruit and seed characters.
16. Role of animals in agriculture–Animals of draught and milch, fur, wool, etc. -Different animal products used as manure.

Practical

1. External morphology of monocot roots - Rice and maize.
2. External morphology of dicot roots - Brassica and any legume.
3. External morphology of monocot stem - Rice and maize.
4. External morphology of dicot stem - Brassica and any legume.
5. External morphology of monocot leaf - Rice and maize.
6. External morphology of dicot leaf – Brassica and any legume.
7. Structure and organization of plant cell.
8. Study of different types of tissue systems - Parenchyma, collenchyma and sclerenchyma.
9. Study of mitosis through onion root tip cells.
10. Study of meiosis through onion anther cells.
11. Internal anatomy of monocot stems and roots - Rice and maize.
12. Internal anatomy of dicot stems and roots - Brassica and any legume.
13. Internal anatomy of ovary of monocots and dicots - Any millet and legume.



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14. Description of Brassicaceae with live specimens.

15. Description of Fabaceae with live specimens.

16. Description of Poaceae with live specimens.

Different animal products used as manure.

Practical

1. External morphology of monocot roots - Rice and maize.

2. External morphology of dicot roots - Brassica and any legume.

3. External morphology of monocot stem - Rice and maize.

4. External morphology of dicot stem - Brassica and any legume.

5. External morphology of monocot leaf - Rice and maize.

6. External morphology of dicot leaf – Brassica and any legume.

7. Structure and organization of plant cell.

8. Study of different types of tissue systems - Parenchyma, collenchyma and sclerenchyma.

9. Study of mitosis through onion root tip cells.

10. Study of meiosis through onion anther cells.

11. Internal anatomy of monocot stems and roots - Rice and maize.

12. Internal anatomy of dicot stems and roots - Brassica and any legume.

13. Internal anatomy of ovary of monocots and dicots - Any millet and legume.

14. Description of Brassicaceae with live specimens.

15. Description of Fabaceae with live specimens.

16. Description of Poaceae with live specimens.

References

1. *Biology* – Raven P, Mason Johnson G B, Losos J. B, Singer. S.S , 10th edition, 2014.

McGraw Hill Publications.

2. M.G. Simpson, 2006. *Plant systematics*. Elsevier Publications

3. H. C. Gangulee 1972 *College Botany* 4th edition.

4. A. C. Dutta 1964 *A class book of Botany Botany for Degree Students*, Oxford University Press, Calcutta.

5. N. T. Gill. 1966. *Agricultural Botany*. 2nd edition.

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Annexure II: Program structure (with all Courses)

Course Code	Name of the Course	Course category	L	T	P	S	Credits	Pre-Requisite	New Course/ Revised Course/ Retained Course	Changes Proposed by	Employability / Entrepreneurship / Skill Development	Justification
21AGRO 101	Agriculture Heritage	PC	1	0	0	0	1	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurship attainment
21AGRO 102	Fundamentals of Agronomy	PC	2	0	3	0	3	NIL	Retained course	-	Employability	Covers topics related better employment attainment
21BICM 101	Fundamentals of Plant Biochemistry and Biotechnology	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21ENGL 101	Comprehension and Communication Skills in English	HSS	1	0	3	0	2	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurship attainment
21SSAC 121	Fundamentals of Soil Science	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21AEKO 141	Fundamentals of Economics	PC	3	0	0	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21HORT 181	Fundamentals of Horticulture	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21AEXT 190	Human Values and Ethics (non gradial)	HSS	1	0	0	0	1	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurship attainment
21AEXT 191	Rural Sociology and Educational Psychology	PC	1	0	3	0	2	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurship attainment
21COCA 100	NSS/NCC/Physical Education and Yoga Practices	HSS	0	0	6	0	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21AGIC 101	Introduction to Computers	PC	0	0	3	0	1	NIL	New course	BoS members	Skill development	Covertopics related better skill attainment
21CPHY 161	Introductory Biology (Remedial)	PC	1	0	3	0	2	NIL	New course	BoS members	Employability	topics related better employment attainment
21UC110 2J	Design Thinking & Innovation	Skill ing	0	0	0	2	2	NIL	Retained course	-	Skill development	Covertopics related better skill

*Dr. M. Lakshmi HOD***KL College of Agriculture
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21AMBE 101	Agricultural Microbiology	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21AGRO 103	Introductory Agrometeorology and Climate Change	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21AGRO 104	Introduction to Forestry	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21GPBR 111	Fundamentals of Genetics	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21ENTO 131	Fundamentals of Entomology I (Insect Morphology and Taxonomy)	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21AENG 151	Soil and Water Conservation Engineering	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21CPHY 162	Fundamentals of Crop Physiology	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21PATH 171	Fundamentals of Plant Pathology I (Plant Pathogens - An Introduction)	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21HORT 182	Production Technology of Fruits and Plantation Crops	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21UC110 2	Design Thinking & Innovation	skill ing	0	0	0	2	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21AGRO 201	Crop Production Technology - I (Cereals, Millets and Pulses)	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21GPBR 211	Fundamentals of Plant Breeding	PC	2	0	3	0	3	NIL	Retained course	-	EMployability	topics related better employment attainment
21ENTO 231	Fundamentals of Entomology II (Insect Ecology and Concepts of IPM)	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment

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21AEKO 241	Agricultural Finance and Co-operation	PC	1	0	3	0	2	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurs hip attainment
21AENG 251	Farm Machinery and Power	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21CPHY 261	Eco-physiology	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21PATH 271	Fundamentals of Plant Pathology II(Plant Pathology Principles)	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21HORT 281	Production Technology for Vegetables and Spices	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21AEXT 291	Fundamentals of Agricultural Extension	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21COCA 200	Education Tour**	PC	0	0	6	0	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21AGRO 202	Crop Production Technology - II(Oilseeds, Fibre, Sugar, Tobacco and Fodder crops)	PC	2	0	3	0	3	NIL	Retained course	-	Employability	topics related better employment attainment
21AGRO 203	Farming Systems and Sustainable Agriculture	PC	1	0	0	0	1	NIL	Retained course	-	Employability	topics related better employment attainment
21AGRO 204	Irrigation Water Management	PC	1	0	3	0	2	NIL	Retained course	-	Employability	topics related better employment attainment
21SMCA 201	Statistical Methods	PC	1	0	3	0	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21LSPM 201	Live-stock and Poultry Management	PC	2	0	3	0	3	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurs hip attainment
21SSAC 221	Manures, Fertilizers and Soil Fertility Management	PC	2	0	3	0	3	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21AEKO 242	Agricultural Marketing, Trade and Prices	PC	2	0	3	0	3	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurs hip attainment
21AENG 252	Renewable Energy and Green Technology	PC	1	0	3	0	2	NIL	Retained course	-	Employability	Covertopics related better

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											employment attainment
21HORT 282	Production Technology for Ornamental Crops, Medicinal and Aromatic Plants and Landscaping	PC	1	0	3	0	2	NIL	Retained course	-	Covertopics related better employment attainment
21AEXT 292	Entrepreneurship Development and Business Communication	PC	1	0	3	0	2	NIL	Retained course	-	Employability
21AGRO 301	Geoinformatics and Nanotechnology for Precision Farming	PC	2	0	3	0	2	NIL	Retained course	-	Entrepreneurship
21AGRO 302	Practical Crop Production	PC	0	0	3	0	1	NIL	Retained course	-	Skill development
21BICM 300	Principles of Food Science and Nutrition	PC	2	0	0	0	2	NIL	Retained course	-	Employability
21GPBR 311	Crop Improvement - I (Cereals, Millets, Pulses and Oilseeds)	PC	2	0	3	0	2	NIL	Retained course	-	Employability
21GPBR 313	Intellectual Property Rights	PC	1	0	0	0	1	NIL	Retained course	-	Skill development
21SSAC 321	Problematic Soils and their Management	PC	2	0	3	0	2	NIL	Retained course	-	Employability
21ENTO 331	Pests of Field crops and Stored Grain and their Management	PC	3	0	3	0	3	NIL	Retained course	-	Employability
21AENG 351	Protected Cultivation and Post-harvest technologies	PC	2	0	3	0	2	NIL	Retained course	-	Employability
21CPHY 361	Environmental Studies and Disaster Management	PC	2	0	3	0	2	NIL	Retained course	-	Employability
21PATH 371	Diseases of Field and Horticultural Crops and their Management - I (Field Crops)	PC	3	0	3	0	3	NIL	Retained course	-	Employability
21PATH 373	Principles of Integrated Pest and Disease Management	PC	2	0	3	0	2	NIL	Retained course	-	Employability

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LEF (Deemed to be University)
VADDESWARAM-522 302



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. 08645 - 350200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

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21AGRO 303	Rainfed Agriculture and Watershed Management	PC	1	0	3	0	2	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21AGRO 304	Principles of Organic Farming	PC	1	0	3	0	2	NIL	Retained course	-	Entrepreneurship and employability	Covers topics related better entrepreneurship
21SMCA 301	Agriculture Informatics	PC	1	0	3	0	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21GPBR 312	Crop Improvement-II (Fibre, Sugar, Starches, Narcotics, Vegetables, Fruits and Flowers)	PC	1	0	3	0	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21GPBR 314	Principles of SeedTechnology	PC	2	0	3	0	3	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21ENTO 332	Pest of Horticultural Crops and their Management and Beneficial insects	PC	2	0	3	0	3	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21AEKO 341	Farm Management, Production and ResourceEconomics	PC	1	0	3	0	2	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurship
21PATH 372	Diseases of Field and Horticultural Crops and their Management -II (Horticultural Crops)	PC	1	0	3	0	2	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21HORT 381	Post-harvest Management and Value Addition of Fruits and Vegetables	PC	1	0	3	0	2	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21AEKT 391	Communication Skills and Personality Development	HSS	1	0	3	0	2	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21RAWE	Crop Production	PC					5 (0+5)	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21RAWE	Crop Protection	PC					4 (0+4)	NIL	Retained course	-	Employability	Covertopics related better employment attainment
21RAWE	Rural Economics	PC					3 (0+3)	NIL	Retained course	-	Entrepreneurship	Covers topics related better entrepreneurship
21RAWE	Extension Programme	PC					4 (0+4)	NIL	Retained course	-	Employability and Skill development	overtopics related better skill attainment

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21RAWE	Research Station / KVK /DAATT Centre activities and attachment to Agro based industries	PC				4 (0+4)	NIL	Retained course	-	Skill development	Covertopics related better skill attainment
21ELP	Experiential Learning Programme (ELP)	PC				0+20	NIL	Retained course	-	Skill development and entrepreneurship	overtopics related better skill attainment
ELCT 222	Soil, Plant, Water and Seed Testing	PE	1	0	6	0	3	NIL	Retained course	-	Skill development
ELCT 272	Food Safety Issues	PE	2	0	3	0	3	NIL	Retained course	-	Employability
ELCT 283	Hi-tech. Horticulture	PE	2	0	3	0	3	NIL	Retained course	-	Skill development
ELCT 305	Agricultural Waste Management	PE	2	0	3	0	3	NIL	Retained course	-	Entrepreneurship
ELCT 306	Weed Management	PE	2	0	3	0	3	NIL	Retained course	-	Employability
ELCT 315	Commercial Plant Breeding	PE	1	0	6	0	3	NIL	Retained course	-	Employability
ELCT 333	Biopesticides and Biofertilizers	PE	2	0	3	0	3	NIL	Retained course	-	Employability
ELCT 334	Agrochemicals	PE	2	0	3	0	3	NIL	Retained course	-	Employability
ELCT 342	Agribusiness Management	PE	2	0	3	0	3	NIL	Retained course	-	Skill development
ELCT 362	Micro propagation Technologies	PE	1	0	6	0	3	NIL	Retained course	-	Employability
ELCT 382	Landscaping	PE	2	0	3	0	3	NIL	Retained course	-	Employability
ELCT 383	Protected Cultivation	PE	2	0	3	0	3	NIL	Retained course	-	Employability and Skill development

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Annexure III. Course wise Syllabus revision of approved structure as mentioned in point 1

Course Code	Name of the Course	Course category	Existing Syllabus	New Syllabus	Topics Added/Removed/Replaced	Change in Outcome	Justification for the Modification	Revision Percentage	Topics Added/Removed/Replaced
21AGIC 101	Introduction to Computers (*Non-gradial course)	PC	-	As per Annexure I	Added	Change in all outcomes	Following the BoS- members feedback	100%	New course
21 CPHY 161	Introductory Biology (Remedial) (*Non-gradial course)	PC	-	As per Annexure I	Added	Change in all outcomes	Following the BoS- members feedback	100%	New course

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