KONGU ARTS AND SCIENCE COLLEGE

(Autonomous)

Affiliated to Bharathiar University, Coimbatore

Approved by UGC, AICTE, New Delhi, Re accredited by NAAC & DBT STAR College

(An ISO 9001: 2015 Certified Institution)

NANJANAPURAM, ERODE – 638 107

DEPARTMENT ADVISORY COMMITTEE MEETING MINUTES

BOARD OF STUDIES

MINUTES OF THE MEETING BETWEEN THE HEAD AND THE STAFF MEMBERS HELD AT 06.00 PM ON 08.05.2020 THROUGH ONLINE (GOOGLE MEET) PLATFORM

The following members were present

1. Dr. A. K. VIDYA
2. Mr. R. RASU
3. Mr. S. NATARAJAN
4. Mrs. T. RADHA
5. Dr. N. SANGEETHA
6. Mr. G. KARTHIKEYAN

The HOD and Faculty members gave the following suggestions regarding the syllabus revision for candidates admitted during the year of 2018 – 2019 Batch and 2019 – 2020 Batch onwards. The following topics were to be included in the respective courses of second year UG curriculum

Name of the Course	New Topics Added
Core Biochemistry Practicals II	- Media Preparation Sterilization techniques Serial dilution Pure culture techniques Staining Techniques Enzyme Kinetic Studies - Amylase & Catalase Estimation of Nutritional content in food samples by Calorimeter & Titrimetric method

Skill Based Course I: Nutritional Biochemistry	-	Nutrigenetics Nutrigenomics
Skill Based Course II: Nanotechnology and Clinical Trials	-	FESEM & FETEM

The following topics were to be removed in the respective courses of second year UG curriculum

Name of the Course		Topics Removed
Microbiology	-	Retrovirus & Life Cycle – HIV
Core Biochemistry Practicals - II	-	Estimation of Glucose by OT Method Estimation of Phosphorous by FS Method Estimation of Urea by DAM-TSC Method Estimation of Uric acid by Carraways's Method Estimation of Protein by Bradford Method Column Chromatography Paper Electrophoresis

The following topics were to be included in the respective courses of third year UG curriculum

Name of the Course		New Topics Added
Core Biochemistry Practicals – III	-	Dipstick analysis
Core Biochemistry Practicals - IV	-	Physiology Experiments Immunotechniques Qualitative analysis of Phytochemicals Total antioxidant Activities of medicinal plants Molecular Biology experiments
Skill Based: Medical Coding	-	Unit 1 & 2 – Terminologies of Hematology, Cardiology, Gastroenterology, Pulmonology, Neurology, Opthamology, Musculoskeletal system, Urology, Nephrology, Gynecology and Obstetrics

The following topics were to be removed in the respective courses of third year UG curriculum

Name of the Course		Topics Removed
Clinical Biochemistry	-	Lipidosis LCAT Deficiency Media Preparation Sterilization techniques Serial dilution
Core Biochemistry Practicals - IV		Pure culture techniques Staining Techniques Enzyme Kinetic Studies - Catalase Biochemical identification of Bacteria - IMPiC

Elective I: Plant and Animal Biotechnology	- Cell transformation: Mass Cultivation of cells – Scaleup in monolayer & Suspension culture
Skill Based: Medical Coding	- UNIT 1 – Anatomy & Physiology UNIT 2 – Medical Terminology
Elective II: Bioinformatics Practicals	- Data retrieval tools & methods

HOD/BIOCHEMISTRY

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE

DEPARTMENT OF BIOTECHNOLOGY

DEPARTMENT ADVISORY COMMITTEE MEETING MINUTES

Minutes of the Meeting between the Head and the Staff Members by 11.30 AM on 10.07.2020.

The following members were present:

1. Dr.C.Deepa – Chairperson- BOS

2. Ms.R.S.Cindhu – Member – BOS

3. Ms.S.Gayathri - Member – BOS

The HOD gave the following information and the announcements regarding the modifications in the syllabus for 2019-2020 admitted Batch (III and IV Sem) and 2018-2019 admitted Batch (V and VI Sem)

1. The following topics were to be included in the respective courses of second year UG Curriculum

Name of the Course	New Topics Added
Skill Based I – Lab in Quality Control Techniques	Reframed the Syllabus
Core Practicals II – Lab in Microbiology	Modification in Course according to the change in Scheme- Microbiology Experiments was Postponed from II semester

2. There is no addition and deletion of contents in the following courses for candidates admitted during the year 2019 – 2020 batch onwards.

i. Allied II – Biomathematics

ii. NME: Basics of Human Health and Nutrition

iii. Allied IV- Computer and Information Technology

iv. Allied Practicals II – Computer and Information Technology Lab

v. Skill Based Subject II: Physiopathology for Medical Transcription

vi. NME II: Health Management and Fitness

vii. ALC: Enzyme Technology

viii. ALC: Stem Cell Biology

3. The following topics were to be included in the respective courses of Third year UG Curriculum

Name of the Course	New Topics Added
Core VII - Immunology	Immunity to infection- recognition and inactivation of pathogens (Bacteria and Virus)
Core VIII - rDNA Technology	Complementation Test, Marker inactivation, Blotting and Hybridization Techniques and *invitro* translation Pyrosequencing Microarray
Core IX - Plant Biotechnology	Seed Storage Proteins Cytoplasmic Male Sterility Biofarming
Elective I - Environmental Biotechnology	Biomass- Plant, animal and microbial biomass Biomass as energy source Production of bioethanol and biomethanol
Elective I - Marine Biotechnology	Marine living resources, sea ranching of economically important marine organisms
Elective I - Virology	Approaches to viral diagnosis – Serological and Molecular Techniques of viral infection
Skill Based Subject III -Biofarming	Liquid Manuring Process of organic farming
ALC: Cancer Biology	Mechanism of oncogene activation Role of growth factors and receptors in carcinogenesis
Core X – Industrial Biotechnology	Dairy Products – cheese and yoghurt Process wastes- whey, molasses, starch substrates, and other food wastes for bioconversion of use
Core XI – Animal Biotechnology, Bioethics and IPR	Cell line preservation and Large scale culture of cell lines, Cell banks Cell synchronization and senescence Introduction and types of patents Patent filling procedures Patent liscensing
Core Practicals III – Lab in Immunology and Plant Tissue Culture	Quantification of Antigen – Antibody reaction Invitro determination of anti-inflammatory effect of a compound Separation of Ig using chromatography Quantitative analysis of phytochemicals Invitro antioxidant study Synthesis of nanoparticles using plant extract
Core Practicals IV – Lab in rDNA Technology and Industrial Biotechnology	Amplification of DNA (PCR) Downstream Processing
Elective II - Bioinformatics	Structural database- CATH, SCOP EST, ClustaL W Phylogenetic analysis – UPGMA and NJ methods Structure prediction of Protein
Elective II – Developmental Biology	Genetic regulations in embryonic development, Artificial fertilization methods (IVF, IUF, ICSI)
Skill Based Subject IV – Medical Biotechnology	Drug Development process: Methods involved in development of new drugs, preclinical toxicological studies, calculation of LD50 & ED50 Acute, subacute and chronic toxicity studies

4. The topics to be removed from the course were discussed.

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DEPARTMENT OF TAMIL

DEPARTMENT ADVISORY COMMITTEE MEETING MINUTES

ACADEMIC YEAR: 2020 - 2021

MINUTES OF THE MEETING BETWEEN THE HEAD AND THE STAFF MEMBERS HELD AT 11.30 AM ON 15.06.2020 IN TAMIL DEPARTMENT.

The following members were present:

1. Dr. N.Kalaivani
2. Dr. B.Sangeetha
3. Dr. P.Dhinakaran
4. Mr.V.Boominathan
5. Mr.S.Surendran
6. Mr.K.Elavarasan

It is decided to introduce the following New Courses in the syllabus for students admitted during the academic year 2019 -2020 for III and IV Semesters.

List of New Courses Introduced:

Semester	Name of the New Course Introduced	Course Code
III	Kapiyangal	19UAUCT301
	Ilakkanam – II Nannool Solathigaaram	19UAUCT302
	Thiamizhaga Varalaarum Panpaadum -I	19UAUAT303
	Tamil Payitrumurai	19UAUST304
	Tamilar Aadaigal	19UAUNT305
IV	Ara Iilakkiyangal	19UAUCT401
	Yapparungkalakaarigai Thandiyalangaaram	19UAUCT402
	Thamizhaga Varalaarum Panpaadum-II	19UAUAT403
	Padaipilakkiyamum Mozhipeyarpum	19UAUST404
	Non – Major Elective II : Kapiyangal Unarthum Aram	19UAUNT405
	Advanced Learners Course -A : Kavithai	19UAUAL406
	Advanced Learners Course - B : Sirukathai	19UAUAL407

HOD / TAMIL DEPARTMENT

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DEPARTMENT ADVISORY COMMITTEE MEETING MINUTES

BOARD OF STUDIES

ACADEMIC YEAR: 2020 - 2021

MINUTES OF THE MEETING BETWEEN THE HEAD AND THE STAFF MEMBERS HELD AT 12.00PM ON 03.07.2020 IN MATHEMATICS DEPARTMENT

The HOD discussed with the staff members and decided the following matters regarding the preparation of new scheme and Syllabi for 2020 – 2021 Autonomous batch.

1. It is discussed about the Scheme of Examination and new syllabi of III and IV Semesters for B.Sc Mathematics Students admitted during the academic year 2019 – 2020 and onwards.

2. It is decided to include Statistical Analysis using SPSS lab as new skill based practical course in the IV Semester from the suggestions of Faculty members for the students admitted during the academic year 2019 – 2020batch.

3. It is discussed that there is no change in the Syllabi of I and II Semesters for the Students admitted during the academic year 2020 – 2021 and onwards.

4. It is discussed about the Scheme of Examination and new syllabi of V and VI Semesters for B.Sc Mathematics Students admitted during the academic year 2018 – 2019 and onwards.

5. As per the Suggestions from the Alumni, it is decided to include Matlab Programming as new skill based practical course, Scientific Computing with SageMath as new Elective Course Practical course and mathematics for Competitive Examinations as new Advanced Learners Course in the V Semester and Object Oriented Programming in C++ and Object Oriented Programming in C++ Practical as new Elective Courses in the VI Semester for B.Sc Mathematics Students admitted during the academic year 2018 – 2019 and onwards.

6. It is discussed about the Additional name for the panel of Question Paper Setters and Examiners.

All the Faculty Members Attended.

HOD **PRINCIPAL**

Academic Year: 2020-2021
Meeting: 01

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE – 638 107

DEPARTMENT OF PHYSICS

DEPARTMENT ADVISORY COMMITTEE MEETING MINUTES

MINUTES OF THE MEETING BETWEEN THE HEAD AND THE STAFF MEMBERS HELD AT 3.30 pm ON 23.06.2020.

The following points were discussed:

S.No	Points Discussed
1.	The committee discussed the contents to be included in the syllabi for the students admitted during the academic year 2018-2019 and 2019-2020 and onwards.
2.	Semester III: In Electricity and Magnetism course, it is decided to include the topics Comparison between series and parallel Resonant circuit, Wattless current (UNIT IV) and Self inductance of coaxial cylinder topic in UNIT V
3.	Semester III: Inter Departmental Course (NME) offered to other Department is planned to revise In the Course "Introduction to Electricity and Electronics", the topics which are considered for inclusion are Zener diode, UJT - comparison of ICs based on MOS and Bipolar transistor technology. This inclusion is to provide better understanding of the subject.
4.	Semester III & IV: Scientific Facts I & II (SBS) Committee members have suggested many topics for incorporation under each Unit
5.	Semester IV: Course Name : Optics Topics intended to incorporate by the Internal Committee are ➢ Distinction between Interference and Diffraction ➢ Fresnel diffraction at a circular aperture
6.	Semester IV: Core Practical – II Committee discusses the following additional experiments in Core Practical II 1. Hall effect - Determination of Hall coefficients 2. Multimeter i) Ammeter, Voltmeter and Ohm meter ii) Verification of Electronic components
7.	Semester IV: Electrical and Electronic Appliances (NME) Vehicle head lights, Induction Stove, Electric water heater, Silicon in electronics Wireless mouse
8.	Semester V: Mathematical Physics Topic suggested by the committee members is "Least Action principle" (Unit V)
9.	Semester V: Quantum Mechanics and Relativity Topics considered for incorporation in Revision are Unit III : Orthogonality of Eigen Functions

	➢ Proof of energy Eigen values are real and ➢ Two eigen functions corresponding to different eigen values are orthogonal to each other
10.	Semester V: Atomic Physics and Spectroscopy Unit IV : Lenard's method to determine e/m for photoelectrons topic is planned to include in the Revised syllabus
11.	Semester V: Basic Electronics Scaler (Unit V) is decided not to mention in the syllabus since it is very basic and by default this will be discussed under Characteristics of Operational Amplifier
12.	Semester VI : Solid State Physics The topics planning for the inclusion are Unit I: HCP structure , Miller indices and important features of Miller indices Unit IV: Frequency dependence of Polarizability Unit V: New Materials: Metallic Glasses, Fiber reinforced Plastics and Fiber Reinforced Metals, Biomaterials, High Temperature Materials, SMART Materials.
13.	Semester VI : Nuclear Physics Determination of e/m of alpha particles, Determination of wavelength of Gamma rays (Du Mond curved crystal spectrometer)
14.	Semester VI : Fundamentals of Digital Electronics Topics under discussion for integration Excess-3 Code, Parallel Binary Adder and Parallel Binary Subtractor
15.	Experiments planning for the inclusion in Core Practical III & IV are CORE PRACTICAL – III Demonstration 1. He – Ne Laser – Wavelength of laser source 2. Nano particle preparation CORE PRACTICAL – IV 1. Microprocessor – 8085 – Multiplication and Division Demonstration (any 2) 1. CRO - Lissajous Pattern Formation 2. Hartley Oscillator 3. BCD to Seven segment display

S.NO	STAFF MEMBERS ATTENDED	SIGNATURE
1	Ms.K.Maithilee	23/6/2020
2	Ms.R.Chitra	23/6/2020
3	Mr.T.Akashnarayan	23/6/2020
4	Ms.P.Visali	23/6/2020

HOD 23/6/2020