

Minutes of the 37th ordinary meeting of the Academic Council
Date: 10th May, 2021 Time: 10:00 A.M Venue:e-Platform

Prayer and Welcoming

Rev.Dr.D.Maria Antony Raj SDB, Principal & Chairman of the Academic Council started the meeting with an audio visual prayer song "God never sleeps". He prayed to the Almighty to protect all of us from the pandemic, he specially prayed for the repose of the souls of all people who were succumbed to this deadly virus and pleaded to the Lord to cure all those who are affected by Covid-19.

Rev.Dr.D.Maria Antony Raj SDB, then welcomed all the members of the Academic Council to the meeting. He welcomed the University nominees Dr. R. Jeyarman, Dr. K. Dinakaran and Dr. R. Babu Janarthanan to the meeting. He extended his words of welcome to the outstanding experts Dr.Bushan D. Sudhakar, Rev. Dr. F. Andrew, SJ and Dr.K.Srinivasan to the meeting. He also welcomed the Rector and Secretary Rev.Dr.John Alexandar and the Additional Principal Rev.Dr.K.A.Maria Arockiaraj SDB and the chairman of various boards of studies to the meeting. He mentioned that Dr.F.Sagayaraj Francis is unable to attend the meeting because of health reasons.

Agenda

Rev.Fr.Principal then briefed the agenda of the meeting as follows:

- I. Minutes of the previous academic council meeting held on 19th December, 2020.
- II. Action Taken Report (ATR) of the previous academic council meeting.
- III. Presentation of the syllabi by chairman of various boards for ratification and approval by the academic council.
- IV. Minutes of the Curriculum Development Cell meetings held on 11th January, 17th February and 24th April, 2021.

I. Minutes of the previous academic council meeting held on 19th December, 2020.

Dr.A.George Louis Raja, read out the minutes of the 36th academic council meeting held on 19th December, 2020. The minutes was approved by the academic council without any changes.

II. Action Taken Report (ATR) of the previous academic council meeting.

Rev.Dr.D.Maria Antony Raj SDB, the Chairman presented the Action Taken Report of the previous academic council meeting held on 19th December, 2020.

III. Presentation of the syllabus by chairman of various boards for ratification and approval by the academic council.

Rev.Dr.D.Maria Antony Raj SDB, the Chairman briefed to the external members that all the boards were directed to revise their curriculum at least by 20% without changing the basic structure. Based on this, the departments have convened a series of pre board meetings to formulate the changes and then presented and got the approval from their respective boards of studies.

The same was discussed thoroughly in two curriculum development cell meetings, and the suggestions of CDC were also incorporated in the curriculum by the respective boards. This fine-tuned curriculum is now presented to the academic council for approval. He also added that the chairman of the boards will be highlighting the changes made in the syllabus for better understanding.

He then announced the order of the presentation and called upon the chairman of the boards to present their respective curriculum.

Department of Tamil (Language – Part I)

Dr.P.Balasubramanian, was delegated to present the recommendations by the board in absence of the chairman, Dr. P.Selvakumar. Dr.P.Balasubramanian presented the minutes of the board of studies meeting and informed that no changes were made in the Part – I (Tamil) and M.Phil (Tamil) programme offered by the department as per the resolutions by the board. He noted that the Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Tamil (UG)

Dr.P.Balasubramanian highlighted the changes made in the following courses of B.A. (Tamil) programme offered by the department as per the resolutions by the board.

The following courses are added in B.A. (Tamil) curriculum

Semester	Title of the subject
III	தமிழ்ப் பண்பாட்டு வரலாறு - 1
IV	தமிழ்ப் பண்பாட்டு வரலாறு - 2
IV	திரைப்படக் கலை (சான்றிதழ்ப் படிப்பு)
V	இலக்கியத் திறனாய்வு
V	ஊடகங்களில் மொழி (சுய கற்றல்)
VI	ஊடகவியல்
VI	புலம்பெயர் இலக்கியம் (சுய கற்றல்)

The following courses are modified in B.A (Tamil) curriculum

Semester	Title of the subject
I	இலக்கியம் 1 சிறுகதையும் புதினமும்
II	இலக்கியம் 2 கவிதை, நாடகம், உரைநடை
II	கணினியில் தமிழ்ப் பயன்பாடு
III	இலக்கியம் 3 சமயப் பாடல்களும் சிற்றிலக்கியங்களும்
III	தொல்லியல் (சான்றிதழ்ப் படிப்பு)

IV	இலக்கியம் 4 காப்பியங்கள்
V	இலக்கியம் 5 அற இலக்கியங்கள்

The following courses are modified in M.A. (Tamil) curriculum:

He noted that the Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment. He also described about the internship course introduced by the department.

Department of Tamil (PG)

Dr.P.Balasubramanian , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in the following courses of M.A. (Tamil) curriculum offered by the department as per the resolutions by the board.

The following courses are added in M.A (Tamil) curriculum

Semester	Title of the subject
I	இக்கால மொழியியல்
I	தமிழ்ப் பயன்பாட்டியல் - கணினியும் தமிழும்
II	இலக்கியக் கோட்பாடுகள்
II	தமிழ்ப் பயன்பாட்டியல் : படைப்பிலக்கியமும் ஆளுமைத்
II	சான்றிதழ் - 2 (சுவடியியல்)
III	திணை இலக்கியங்கள்
III	சான்றிதழ் - 3 சித்தர் நெறி
IV	பக்தி இலக்கியங்களும் மெய்யியல் மரபும்
IV	தமிழக வரலாறும் மக்களும் பண்பாடும்
IV	ஒப்பிலக்கியம்
IV	சுய கற்றல் (நூலகவியல்)

The following courses are modified in M.A. (Tamil) curriculum

Semester	Title of the subject
I	அற இலக்கியங்கள் ரு சிற்றிலக்கியங்கள்
I	தற்கால இலக்கிய வாசிப்பியல் : கவிதை, சிறுகதை
II	காப்பியங்கள்
II	தற்கால இலக்கிய வாசிப்பியல் : புதினம், உரைநடை
III	ஆராய்ச்சி நெறிமுறைகள் ஆய்வேடு

He noted that the Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of English (Part-II)

Prof.P.Aruldoss , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in General English. He noted that changes have been made in all the courses pertaining to writing skills.

Semester	General	Stream	Title of the Paper
I	GE	B.A./B.Sc.,	English - I (Book - 1 A)
I	GE	B.Com/BBA BCA/B.Com (CA)	
II	GE	B.A./B.Sc.,	English - II (Book - 2 A)
II	GE	B.Com/BBA/BCA/B.Com (CA)	
III	GE	B.A./B.Sc.,	English - III
IV	GE	B.A./B.Sc.,	English - IV

He noted that the Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of English (UG)

Mrs.J.Mary Jenif , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in B.A.(English) curriculum. She briefed the following changes:

- 70% of changes have been made in the curriculum.
- Repetitions in the portions from UG to PG are carefully avoided.
- Single work from representative authors is included, without having multiple works of the same author.
- Internship is included in the summer vacation of second Year.
- Activity corner emphasizing application of the concepts taught in a course is included for all the courses.
- Changes were made in the following courses of B.A. (English)

Sem	Title of the Paper
II	Chaucer and Elizabethan Age
	18 th Century Literature
III	Romantic Age
	American Literature
	History of English Literature -I
IV	Major English Tragedies
	History of English Literature -II
	Indian Writings in English-I
	Major English Tragedies
V	Victorian Age
	20 th Century English Literature
	Literary Criticism - I
	Indian Writings in English- II
	Common Wealth Literature
	Literature and Film
Women's Writing	
VI	Literary Criticism - II
	Epics in English
	Translation : Theory and Practice

- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of English (PG)

Rev.Dr.K.A.Maria Arockiaraj SDB , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in M.A.(English) curriculum. He briefed the following changes:

- Job focused, entrepreneurial oriented courses have been included.
- 30 to 40% of changes have been made in every course in the curriculum.
- Repetitions in the portions from UG to PG are carefully avoided.
- Single work from representative authors is included, without having multiple works of the same author.
- Activity corner emphasizing application of the concepts taught in a course is included for all the courses.

- Changes are made in the following courses:

Sem	Title of the Paper
I	World Classics in Translation
	Chaucer and Elizabethan Age
	English Language Teaching with Tech Practicum
	Literary Criticism
	Elective- I: Children's Literature
	Elective- I: Subaltern Studies
	Elective- I: Women's Writing
II	Restoration and Eighteenth-Century Literature
	Contemporary Critical Theory and Terms
	New Literatures in English
	Research Methodology
	Elective-II: Cultural Studies
	Elective-II: Gender and Mass Media
	Elective-II: Post-Colonial Literature
	Internship*
III	Romantic and Victorian Age
	Language and Linguistics
	American Literature
	Project
	Elective III-Teaching Communicative English
	Elective III-Modern English Grammar
	Elective III-English for Competitive Examinations
IV	Twentieth Century Literature
	Shakespeare
	Eco Literature
	Indian English Literature
	Elective-IV: Content Writing
	Elective-IV: Advanced Academic Writing
	Elective-IV: Technical Writing for Business Purposes
	Human Rights

- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Dr. R. Babu Janarthanan asked for the marks allotted for the "Human Rights in India" course and the chairman of the board responded that it will be added in the structure.

Department of Economics (UG)

Dr.J.Jacob Stanley Inbaraj , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in B.A.(Economics) and allied Economics curriculum. He briefed the following changes:

- Self-study courses have been included.
- More text and reference books are included in all the courses.
- Sufficient changes have been made in every course in the curriculum, wherever required.
- Repetitions in the portions from Higher Secondary to UG are carefully avoided.
- Focus is given to include contents to complement the students to prepare for competitive examinations.
- Changes have been made in the content of the following courses:

Sem	Subject Title
I	Core: Economic Thought
	Core: Statistics for Economics
II	Core: Mathematics for Economics
III	Core: Micro Economics – II
	Core: Macro Economics – I
IV	Core: Macro Economics –II
	Core: Industrial Economics
V	Core: Fiscal Economics – I
	Core: Indian Economy
	Core: Monetary Economics – I
VI	Core: Monetary Economics-II
	Core: Financial Economics –
Allied Commerce	Principles of Economics - I
	Principles of Economics - II

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

The following suggestions were given by the members of AC:

Dr. R. Babu Janarthanan asked to change the order of the columns (L, T,C and M) in the table depicting the structure of the curriculum, and the chairman responded that it will be done.

Department of Economics (PG)

Dr.A.Xavier susairaj , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in M.A.(Economics) curriculum. He briefed the following changes:

- 20% of changes is made in every courses.
- Changes are made in the following courses:

Sem	Subject Title
I	Advanced Micro Economic Theory – I
	Advanced Macro Economic Theory – I
	Statistics for Economics
II	Advanced Micro Economic Theory – II
	Advanced Macro Economic Theory – II
	Mathematics for Economists
III	International Trade
	Public Economics
	Research Methodology
IV	Indian Economy: Issues and Policy

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Dr. R. Babu Janarthanan asked to change the order of the columns (L, T,C and M) in the table depicting the structure of the curriculum, and the chairman responded that it will be done.

Department of History

Dr.D.Leslin, the chairman presented the minutes of the board of studies meeting and the changes made in the curriculum of B.A. (History) and allied history courses. He presented the following:

- The following self study courses are introduced in B.A. History curriculum

Semester	Title
IV	Principles of Archaeology

V	Fundamentals of Indian Geography
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- Project/Internship is introduced in the VIth semester.
- Extra credit courses and self-study courses are introduced.
- Non Major elective courses are revised.
- The revision is made based on the syllabi for competitive examination.
- No change is made in the syllabi of Allied History course.
- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Commerce (UG)

Dr.K.A.Maria John Joseph, the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in B.Com., curriculum. He briefed the following changes:

- Computerized accounting practicum is included, which requires computer lab.
- Summer internship is included in the 4th Semester.
- The following changes are made in the curriculum:
- New Courses Introduced

Sem.	Part	Subject Title
I	III	Environmental Aspects of Business
III	III	Mercantile Law
VI	III	Social Entrepreneurship
VI	VI	GST Filing Practices

- Changes are made in the courses listed below:

Sem.	Part	Subject Title
V	III	Indirect Taxation
VI	III	Practical Auditing
VI	III	Computerized Accounting

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Commerce (PG)

Dr.K.Anbalagan , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in M.Com., curriculum. He briefed the following changes:

- Tax planning is included in the course "Income Tax" and the course has been renamed as "Income Tax & Tax planning".
- Changes are made in the courses listed below:

Sem.	Subject Title
III	Income Tax and Income Tax Planning - I
IV	Income Tax and Income Tax Planning - I
IV	Main Elective- International Marketing
IV	Elective VI E- Commerce and Computerized Accounting

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Commerce (Computer Application)

Dr.P.Saravanan, the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in B.Com., (C.A) curriculum. He briefed the following changes:

- Summer internship is included in the 4th Semester.
- The following new courses are introduced in the curriculum:

Sem	Name of the course
IV	Costing Methods and Techniques
VI	Computerized Accounting - II
V	Summer Internship and Mini
V & VI	SSP: NPTEL and SWAYAM / MOOC

- Modifications are done in the following courses:

Sem	Name of the course
IV	Entrepreneurship Development
V	Computerized Accounting - I

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Business Administration

Mr.R.Veerapan , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in B.B.A., curriculum. He briefed the following changes:

- Four new courses are introduced.
- 30% to 40% of change has been made in the overall curriculum.
- Case studies are included in the courses wherever is found appropriate.
- Summer internship is included in the 4th Semester.
- The following courses are added in the curriculum

Semester	Subject
III	Cost & Management Accounting
V	Social Responsibility Project
V	Subject Elective: Investment Management, Business Taxation
VI	Social Sensitivity Skills
VI	Subject Elective: Corporate Social Responsibility
SSP	Management and Business Cases

- The following courses are modified in the curriculum:

Semester	Subject
I	Fundamentals of Management
I	Fundamentals of Organization
II	Accounting for Managers
III	Human Resource Management
III	Principles of Marketing
III	Economic for Management
III	Business Practical – III
III	Legal Aspects of Business
IV	Research Methods
IV	Financial Management
IV	Industrial Relations & Labour Laws
IV	Basic Research project
VI	Elective : Total Quality Management
VI	Subject Elective: Financial Services

- The courses "Business Correspondence" and "Export Management" are converted from Elective to Core Course.
- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Social Work

Rev.Fr.Andrews Raja SDB , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in M.S.W., curriculum. He briefed the following changes:

- Since, the complete revision happened during the previous academic year, only the contents in courses, wherever needed is changed.
- The following courses are changed in the curriculum:

Code	Title of the subject
MSW120T	Introduction to Social Work Profession
MSW121T	Social Work Practice With Individuals
MSW122T	Social Work Practice With Groups
MSW123T	Sociology for Social Work Practice
MSW124T	Psychology for Social Work Practice
MSW220T	Social Work Practice With Communities
MSW221T	Human Resource Management
MSW222T	Medical & Psychiatric Social Work
MSW223T	Social Welfare Administration
MSW224T	Labor Legislation and Labor Welfare
MSW225S	Communication Skills
MSW228X	Transactional Analysis (Certificate Course)
MSW320T	Social Work Research & Statistics
MSW321A	Rural & Urban Community Development/
MSW321B	Industrial Relations/
MSW321C	Youth Development
MSW322A	Rural and Urban Governance/
MSW322B	Human Resource Management in Service Sector
MSW323B	Hospital Administration
MSW324C	Disaster Management
MSW325S	Data Processing & Analysis Skill -(SPSS & NVivo)
MSW327J	Research Project I

MSW328X	Psychometric & Testing Tools (Certificate Course)
MSW421A	Development Strategies
MSW421B	Organizational Behavior
MSW421C	NGO Management
MSW422A	Livelihood & Social Audit
MSW422B	Human Resource Development
MSW423A	Project Monitoring and Evaluation
MSW423B	Skill Matrix & Competency Mapping
MSW424A	Environmental Social Work
MSW424B	Performance Management
MSW424C	Social Entrepreneurship
MSW427J	Research Project II

- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Management Studies

Dr.S.Sasikumar, the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in M.B.A., P.G.D.I.E.M., P.G.D.H.R.M. and P.G.D.L.M. curriculum. He briefed the following changes:

- New courses are introduced.
- 40% of change has been made in the overall curriculum.
- Summer internship is included in the 4th Semester.
- The following courses are added in the MBA curriculum:

Semester	Title of the subject
I	Management Principles and Practices
I	Organizational Behaviour
I	Managerial Communication
III	Managerial Ethics
III	Emotional Intelligence for Managerial Effectiveness
IV	Banking and Financial Services Management

- The following courses are modified in the MBA curriculum:

Semester	Title of the subject
II	Financial Management
II	Information Management
II	Legal Aspects of Business
II	Operations Management

III	Medical Care Management
IV	Export and Import Management
IV	Derivatives Management

- The following courses are modified in PGDHRM curriculum:

Semester	Title of the subject
I	Human Resource Planning
II	Employee Legislation

- The following courses are modified in PGDLM curriculum:

Semester	Title of the subject
I	Transportation and Distribution Management
I	Reverse and Contract Logistics
II	Warehouse Management
II	Supply Chain Inventory Management

- The following courses are modified in PGDIEM curriculum:

Semester	Title of the subject
I	Basics of Export and Import
II	Export and Import Management

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

The following suggestions were given by Dr.Bushan D. Sudhakar:

- The Tutorial sessions can be excluded from courses where tutorials are not possible.
- He noted that during this pandemic, the need for supply chain management is high, and congratulated the Department of Management Studies for offering a diploma in logistics management.

Department of Mathematics (UG)

Dr.R.Murali, the Chairman of the board presented the recommendations by the board. He presented the minutes of the board of studies meeting and the changes made in the B.Sc., (Mathematics) and Allied courses offered by

the department. He highlighted the following changes made in the curriculum:

- The B.Sc., Curriculum is drafted based on the Learning Outcome Based (LOB) framework suggested by UGC and taking up the recommendations of the Academic Audit committee.
- He mentioned that 20% change has been done in the curriculum.
- He presented the list of courses and the percentage of changes done.
- He mentioned the list of MOOC courses offered under self-study papers.
- He mentioned that the syllabi of allied courses are unchanged, and a new allied course for B.Sc., (Counselling Psychology), "Statistical Methods for Counselling Psychology" is recommended by the board.
- The following courses are added in B.Sc., (Mathematics) curriculum

Semester	Title of the subject
V	Number Theory
V	Mathematical Modeling with Difference and Differential Equations
V	Graph Theory

- The following courses are modified in B.Sc., (Mathematics) curriculum

Semester	Title of the subject
I	Algebra and Trigonometry
II	Differential Equations & Fourier Series
III	Vector Calculus
III	Solid Geometry and Transforms
V	Mechanics
VI	Linear Algebra
VI	Real Analysis - II
VI	Resource Management Techniques

- The following Allied Mathematics courses are modified

Semester	Programme	Title of the subject
I	B.Sc., (Chemistry)	Allied Mathematics - I
II	B.Sc., (Computer Science)	Allied Mathematics - I
III	B.Sc., (Chemistry)	Allied Mathematics - II

- He noted that the Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment

Department of Mathematics (PG)

Dr.A.George Maria Selvam, the Chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of M.Sc., (Mathematics). He presented the following changes made:

- To enable the students to prepare for competitive examination, 10 marks are earmarked for multiple choice questions type of tests.
- No change is done in the structure, only the content is revised.
- Certain certificate courses are made compulsory, and some are made optional, based on the importance of the course.
- The following courses are added in M.Sc., (Mathematics) curriculum

Semester	Title of the subject
I	Coding Theory
II	Numerical Analysis
III	Mathematical Physics
IV	Theory of Transforms

- The following courses are modified in M.Sc., (Mathematics) curriculum

Semester	Title of the subject
I	Abstract Algebra
I	Differential Geometry
I	Mathematical Statistics
II	Advanced Linear Algebra
II	Classical Dynamics
II	Linear Algebra
III	Mathematical Analysis
III	Topology
III	Optimization Techniques
III	Nonlinear Dynamical Systems
IV	Complex Function Theory
IV	Functional Analysis
IV	Difference Equations
IV	Complex Analysis

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Physics (UG)

Dr.A.Albert Irudayaraj, the Chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of B.Sc., (Physics) and Allied Physics courses. He presented the following changes made:

- 15% of change is done in the curriculum.
- New courses have been introduced.
- No change is done in the structure, only the content is revised.
- Internship is introduced during the third semester vacation.
- In CA question paper pattern, a clause is added to note the number of problem oriented questions to be asked (in the courses possible).
- The following courses are added in the B.Sc., (Physics) curriculum:

Semester	Title of the subject
II	Waves and Oscillations
III	Electricity and Magnetism
IV	Electromagnetism
IV	Modern Physics
V	Semiconductor Devices and their
V	Nanomaterials and their Applications
V	Programming in C
V	Laser Physics and Fiber Optics

- The following courses are modified in the B.Sc., (Physics) curriculum:

Semester	Course
I	Mechanics
	Properties of matter
II	Heat and Thermodynamics
I & II	Physics Main Practicals - I
	Optics
III & IV	Physics Main Practicals - II
V	Classical mechanics and Statistical Physics
	Semiconductor devices and their Applications
	Solid State Physics
	Mathematical Physics
	Electronic communication systems
	Renewable Energy and Energy Harvesting
	8085 Microprocessor and its applications

	Medical Physics
	Astrophysics
VI	Applied Electronics
	Nuclear and Particle Physics
	Quantum Mechanics and Relativity
	Electrical circuits and Networks
	Basic Instrumentation
V & VI	Physics Main Practicals - III (General experiments)
	Physics Main Practicals - IV (Electronic experiments)
V	Repair and Maintenance of Household Appliances (offered by Physics department to other department students) NME
VI	Physics in Everyday Life (offered by Physics department to other department students) NME

- The following allied courses are modified:

Semester	Course
I & II	Allied Physics for Mathematics I
	Allied Physics for Mathematics II
	Allied Physics practicals for Mathematics
III & IV	Allied Physics for Chemistry I
	Allied Physics for Chemistry II
	Allied Physics practicals for Chemistry
III & IV	Allied Physics for Computer Science I
	Allied Physics for Computer Science II
	Allied Physics practicals for Computer Science

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Physics (PG)

Dr.M.Jose, the Chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of M.Sc., (Physics) courses. He presented the following changes made:

- M.Sc., curriculum follows 75% of courses mentioned in TANCHE model curriculum.
- "Mathematical Physics" which was taught in the first semester in the previous curriculum is divided into two papers namely "Mathematical

Physics-I" and "Mathematical Physics-II" and are included in the first and second semesters respectively in the new curriculum. To facilitate the inclusion of this additional paper, "Materials Science" which was being taught in the previous curriculum was removed.

- "Crystal Physics and Non-Linear Optics" was removed and a new paper named "Modern Optics" is included in the new curriculum retaining the two units of non-linear optics in the new paper.
- The self study paper "Ultrasonics" is renamed as "Ultrasonics and its applications" in the new curriculum with minor modifications. Another self study paper "Communication Electronics" is removed and a new paper named "Shock Waves and High Pressure Physics in Material Science" is included in the new curriculum.
- The certificate course "Spectroscopic characterization techniques" is renamed as "Analytical instrumentation and Characterization Techniques" by including a new unit on Powder X-Ray diffraction.
- All the remaining courses are retained with changes ranging from 10 – 20%.
- NPTEL courses are introduced.
- More practical are added in the practical oriented courses.
- The following new courses are added in the M.Sc., (Physics) Curriculum

Sem	Subject Title
I	Mathematical Physics - I
II	Mathematical Physics - II
III	Shock Waves and High Pressure Physics in Material Science (self study paper)
IV	Elective: Modern Optics

- The following courses are modified in the M.Sc., (Physics) Curriculum

Sem	Title of the Paper
I	Classical Mechanics and Statistical Mechanics
	Quantum Mechanics-I
	Advanced Physics Practicals

	Electronic Experiments
	1. Electronic Devices and Applications 2. Energy and Environmental Physics 3. Astrophysics (Electives)
II	Electromagnetic Theory
	Quantum Mechanics-II
	Advanced Physics Practicals
	Electronic Experiments
	1. Microprocessor 8085 and Microcontroller 8051 2. Geophysics 3. Bio Physics (Electives)
	Ultrasonics and its Applications
III	Solid State Physics
	Atomic and Molecular Spectroscopy
	C Programming and Research Methodology
	Modern Physics Practicals
	Microprocessor, and C Programming Experiments
	1. Nanoscience and Technology 2. Optical Physics 3. Computational Quantum Mechanics (Electives)
IV	Electronic Instrumentation Techniques
	Nuclear and Particle Physics
	Modern Physics Practicals
	Microprocessor and C Programming Experiments
	Reactor Physics Digital Signal Processing (Electives)

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Chemistry (UG)

Dr.S.R.Xavier Rajarathinam, the Chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of B.Sc., (Chemistry) and Allied Chemistry courses. He presented the following changes made:

- The general chemistry courses offered in the first four semesters were removed and instead specific subject papers like organic chemistry, inorganic chemistry, physical chemistry and analytical chemistry are introduced from the first semester onwards.
- New certificate courses are included.
- In all the core courses, wherever possible content has been revised.
- The following elective courses are included in the curriculum.

Semester	Title of the subject
V	Forensic Chemistry
V	Cheminformatics
VI	Water Chemistry and Inorganic Materials of
VI	Chemistry of Drug Design

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Chemistry (PG)

Dr.V.Collins Arun Prakash, the Chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of M.Sc., (Chemistry) courses. He presented the following changes made:

- There is no change in the structure of M.Sc., (Chemistry).
- Wherever possible, the content of courses has been revised.
- MOOC/SWAYAM courses can be opted by students for additional credits
- The overall percentage of modification in the syllabus is about 30%
- The list of inter disciplinary courses were presented.
- The following elective courses are included in the curriculum.

Semester	Title of the subject
II	Research Methodology
III	Inorganic photochemistry and
III	Cheminformatics

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Computer Science (UG)

Dr.S.Sagayaraj, presented the minutes of the board of studies meeting and the changes made in the syllabus of B.Sc., (Computer Science) courses in

the absence of the Chairman Dr.L.Ravi. He presented the following changes made:

- Alterations were made in the curriculum of B.Sc., (Computer Science).
- Altogether 61% of change has been made in the curriculum.
- The hours for practical have been increased to 3 hours from 2 hours as per the guidelines from the Regional Joint Director, Collegiate Education, Vellore Region.
- The following course is introduced in B.Sc., (Computer Science) curriculum:

Semester	Title of the subject
I	Problem Solving Techniques

- The following alterations are made in the B.Sc., (Computer Science) curriculum:

Semester	Courses
I	Problem Solving techniques – Included Web Design Concepts Renamed to Web Development Using HTML
II	Digital Computer Fundamentals – Moved from Semester I
III	Computer Organization and Architecture – Moved from Semester II Object Oriented Programming with C++ - Removed Data structures and algorithms Renamed to Data structures and algorithms using C
IV	Software Engineering from Semester V Moved to Semester IV
V	Computer Graphics from Semester IV Moved to Semester V XML from Semester VI Moved to Semester V
VI	Linux and Shell Programming from Semester V Moved to Semester VI Programming with R Ratified with Programming with Python Mobile Apps: - Android Development Renamed to Mobile Application Development

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Computer Science (PG)

Dr.S.Sagayaraj, the chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of M.Sc., (Computer Science) courses. He presented the following changes made:

- The course contents have been revised by 30%.
- Two courses will be offered under the subject electives.
- The following courses are added in M.Sc.(Computer Science)

Curriculum:

Sem	Subject
I	Elective-I: Business Intelligence
II	Elective-II: Wireless Sensor Networks
III	Elective - III: Semantic Web and Applications Ethical Hacking & Cyber Forensics
	Elective - III: Ethical Hacking & Cyber Forensics
IV	Elective – IV: Social Network Analysis
	Elective – IV: Soft Computing

- The following courses are modified in M.Sc., (Computer Science)

Curriculum:

Sem	Subject
I	Principles of Compiler Design
	Advanced Java Programming
	Desktop Applications
	Open Source Technologies
	Elective-I: Data Mining and Warehousing
	Practical – I: Advanced Java Programming
	Practical –II : Desktop Applications
	Practical – III:Open Source Technologies
II	Distributed Operating System
	Enterprise Java Programming
	Web Applications
	Programming in Python
	Practical - IV: Enterprise Java Programming
	Practical - V: Web Applications
	Practical -VI: Programming in Python
III	Internet Of Things
	Artificial Intelligence
	Elective - III: Cloud Computing
	Practical-VII: Design and Analysis of Algorithms
	Practical – VIII: Mobile Applications
IV	Elective-IV: Cryptography and Network Security
	Practical - IX: Data Science with Python
	Practical - X: Machine Learning

- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Biochemistry (UG)

Dr. A. Jayaprakash, the chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of B.Sc., (Biochemistry) courses in the. He presented the following changes made:

- Additions/deletions and updations were made in the curriculum of B.Sc., (Biochemistry).
- Project work is included in the curriculum.
- Changes are made in the following courses:

Sem	Subject
I	Cell Biology
I	Bio Molecules
I	Main Practical – I
II	Plant Physiology
II	Human Physiology
II	Main Practical –II
III	Micro Biology
III	Biophysical chemistry
III	Main Practical – III
IV	Applied Microbiology
IV	Analytical Biochemistry
IV	Main Practical – IV
V	Enzymology
V	Endocrinology
V	Genetics
V	Major Elective : Medical Laboratory Technology
V	Major Elective : Pharmacology
V	Non Major Elective: Energy Builders
VI	Immunology
VI	Medical Biochemistry
VI	Main Practical – VI
VI	SS1: Biotechnology
VI	SS2: Bioethics
VI	NME: Healthcare and Disease Management
I	Allied Biochemistry Practical – I
II	Allied Biochemistry- II

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Biochemistry (PG)

Dr.A.C.Gomathi, the chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of M.Sc., (Biochemistry) and Postgraduate Diploma in Medical Lab Technology (PGDMLT) courses. She presented the following changes made:

- Additions/deletions and updations were made in the curriculum of M.Sc., (Biochemistry).
- The project offered in P.G.D.M.L.T. is replaced by internship.
- The following courses are added in M.Sc., (Biochemistry)

Sem	Subject
III	Molecular Biology
III	Food Biochemistry
IV	Medical Diagnostic Technology

- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Microbiology (UG)

Dr.P.Saranraj, the chairman presented the minutes of the board of studies meeting and the changes made in the syllabus of B.Sc., (Microbiology) courses. He presented the following changes made:

- In each course offered, a topic called "Current Research Thoughts" has been added.
- Group project has been introduced in the final semester.
- The following courses are updated:

Sem	Subject
I	Fundamentals of Microbiology
III	Immunology
IV	Main Practical IV
VI	Food Microbiology
VI	Environmental Microbiology

VI	Main Practical VI
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- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

After the presentation, the following suggestions were made by the members:

- The duration for internships should be specified.
- Application orientation should be included as an integral part in all the courses.

Department of Microbiology (PG)

Dr.P.Saranraj, the chairman presented the minutes of the board of studies meeting and the proposed syllabus of M.Sc., (Applied Microbiology) courses. He presented the following:

- The complete structure and the syllabus were presented.
- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Computer Applications (UG)

Mr.A.John Martin, the chairman presented the minutes of the board of studies meeting and the changes made in the curriculum of B.C.A. He presented the following:

- Totally 11 courses have been revised.
- The following courses are added in B.C.A

Sem	Subject
I	Digital Computer Fundamentals
I	Internet Concepts and Web Design
III	Elective I – Angular JS
IV	Emerging Computer Paradigms
V	Software Testing and Quality Assurance
V	Programming with Python
VI	Mobile Application Development
VI	Elective II – Big Data Analytics Internet of Things

	Cryptography and Network Security
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- The following courses are modified in B.C.A

Sem	Subject
II	Programming with C
II	Operating System
III	Computer Networks
III	Programming using Java
III	Data structures using C++
IV	Enterprise Applications using .NET
IV	Relational Database Management Systems
V	Computer Graphics
V	Enterprise Applications using Java
VI	Web programming using PHP

- Few changes have been made in the B.Com (CA) computer oriented courses.

Sem	Name of the course
II	Internet Concepts and Web Design
III	Programming with C
IV	Relational Database Management
V	Web Programming Using PHP

- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Counselling Psychology (UG and PG)

Rev.Dr.I.Joe Sanjay OFM Cap. , the chairman, presented the minutes of the board of studies meeting and highlighted the changes made in M.Sc., (Counselling Psychology) curriculum and the complete structure and content of the new B.Sc., (Counselling Psychology) curriculum. He briefed the following changes:

- The proposed B.Sc., (Counselling Psychology) syllabus is based on the curricula of B.Sc., (Counselling Psychology) of the Thiruvalluvar University.
- 20% of change has been made in the content of every course in M.Sc., (Counselling Psychology).

- The following new courses are introduced in M.Sc., (Counselling Psychology) curriculum.

Sem	Course
I	Biological Psychology
III	Behaviour Modification
III	Training and Development
IV	Psychometry

- A Residential certificate programme is included in M.Sc., (Counselling Psychology) curriculum.
- The Model (ii)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Computer Applications (PG)

Dr.A.George Louis Raja, the chairman presented the minutes of the board of studies meeting and the proposed curriculum for MCA (2021 batch onwards) and curriculum of the proposed Postgraduate Diploma in Data Science and Postgraduate Diploma in Cyber Security programmes. He presented the following:

- The revised curriculum of MCA (for the batch to be admitted in 2021-22) with the duration of two Years.
- The 3rd and 4th semester courses for the students admitted in the year 2020-21.
- The proposed curriculum of Postgraduate diploma in Data Science.
- The proposed curriculum of Postgraduate diploma in Cyber Security.
- The Model (i)* [refer annexure] will be adopted by the department for Continuous Internal Assessment.

Department of Life Education

Rev.Dr.John Alexandar SDB, the Chairman of the board presented the recommendations by the board. He presented the minutes of the board of studies meeting and the changes made in the courses offered by the department as per the resolutions by the board.

IV. Minutes of the Curriculum Development Cell meetings held on 11th January, 17th February and 24th April, 2021.

Rev.Dr.D.Maria Antony Raj SDB, the Chairman presented the minutes of the CDC meetings held on 11th January, 17th February and 24th April, 2021. The academic council passed the minutes without any changes. The evaluation pattern and question paper patterns of CA and End semester examinations proposed by the CDC was approved by Academic Council (refer Annexure).

Observations by External Members

Dr.R.Jeyaraman, University Nominee

- He wanted to get clarified about the involvement of faculty of parent departments in taking professional English classes. The Chairman replied that since there are specially trained faculties available in life education department, these classes are handled by them instead of the faculty from respective departments.
- He recommended the boards offering diploma programmes to verify about the total number of credits.
- He wanted to know the rationale behind awarding marks for attendance. The chairman clarified that this practice is adapted from leading autonomous institutions, and also is applicable only for UG programmes.
- He raised a query about the upper limit for maximum credits and got clarified by the chairman that upper limit for UG is 154 and PG is 100.
- He suggested including the research methodology for UG programmes also.
- He suggested to think of changing the modality of self study papers.

Rev.Dr.F.Andrew S.J.

- He appreciated the introduction of Project/Internship in UG curriculum.
- He acknowledged all the boards for revising the syllabus amidst the pandemic.
- He felt that the introduction of additional credits will cater to the needs of student diversity.

Dr.Bushan D. Sudhakar

- He asked about the motivation levels of teachers and students with regard to online classes. The chairman quoted the following:
 - Faculties are self-motivated.
 - They have created and accessing whatsapp groups to monitor the students.
 - The online classes are taken in Googe Meet, Zoom or Big Blue Button.
 - Course materials are uploaded well ahead of the online classes.
 - The motivation levels of students have to be increased and faculty are striving hard about this.
 - The students have become comfortable, and have to be pushed for real learning.
 - Rev.Fr.Additional Principal described that after each online lecture, a home work would be given, and only the students submit it on time would be given attendance.
 - Rev.Fr.Rector mentioned that access to the technology is a major challenge, and gradually online attendance is improving.

Resolutions

The following are the resolutions of the Academic Council:

- i. The changes made in the curriculum of General Tamil (Part -I), B.A. (Tamil), M.A. (Tamil), General English (Part -II), B.A. (English), M.A.

(English), B.A. (Economics), M.A. (Economics), B.A.(History), B.Com., M.Com., B.B.A, M.S.W., M.B.A., P.G.D.H.R.M., P.G.D.I.E.M., P.G.D.L.M.,B.Sc.(Mathematics),M.Sc.(Mathematics),B.Sc.(Physics), M.Sc.(Physics), B.Sc.(Chemistry), M.Sc.(Chemistry), B.Sc.(Computer Science), M.Sc.(Computer Science), B.Sc.(Biochemistry), M.Sc.(Biochemistry), P.G.D.L.M.T., B.Sc.(Microbiology), B.C.A., M.Sc., (Counselling Psychology), and Life Education courses are approved by the Academic Council.

- ii. The structure and curriculum of the newly proposed programmes in B.Sc., (Psychology), Post Graduate Diploma in Data Science, Post Graduate Diploma in Cyber Security and M.Sc., (Applied Microbiology) are approved by the Academic Council.
- iii. The revised curriculum of M.C.A. for the duration of 2 years is approved by the Academic Council.
- iv. The evaluation pattern and the question paper pattern (refer annexure) are approved by the Academic Council.
- v. The composition of CIA: End Semester Examination is approved to be 50:50 for both undergraduate and postgraduate programmes.
- vi. End Semester examination will be conducted for 100 marks and then will be converted to 50 marks. Total Marks for Each Subject is Continuous Internal Assessment - 50 Marks + End Semester Examinations =50 Marks ; Total = 100 Marks

Vote of Thanks

Rev.Dr.D.Maria Antony Raj SDB, the Principal thanked all the members of the academic council, especially the external members. He thanked the contributions of the university nominees Dr.R.Jeyaraman, Dr.K.Dinakaran & Dr. R. Babu Janarthanan and the outstanding experts Dr.Bhushan D.Sudhakar, Rev.Dr.F.Andrew S.J & Dr.K.Srinivasan. In a special way he

expressed his gratitude to Dr.S.R.Xavier Rajarathinam, Vice Principal (Academics – Shift I) and Mr.Soundar (College Office) for collating the curriculum into a single volume, and Mr.S.Anthony Philomen Raj, Asst. Prof, Dept. of MCA for providing technical support.

ANNEXURE: Continuous Internal Assessment Models

The following **Two models** are recommended:

Model (i):

Component	Marks
CA Tests	30
I CA	15
II CA	15
Other Components	20
Total	50

Model (ii)

Component	Marks
CA Tests	25
I CA	12.5
II CA	12.5
Other Components	25
Total	50

- The departments are given freedom to choose any of the above models; the model chosen has to be intimated to the controller of examination.
- In both the models in other components, online quiz with multiple choice questions is made mandatory.

Question Paper Patterns (common for both UG and PG programmes)

Pattern of CA Question Paper

Max. Marks : 50	
Section A	
Answer ALL the Questions	6 X 2 = 12 Marks
Section B	
Answer ALL the Questions Either or Type	3 X 6 = 18 Marks
Section C	
Answer ANY TWO Questions Out of Three Questions	2 X 10 = 20 Marks

Pattern of Semester Question Paper

Max. Marks : 100	
Section A	
Answer ALL the Questions	10 X 2 = 20 Marks
Section B	
Answer ALL the Questions Either or Type	5 X 7 = 35 Marks
Section C	
Answer ANY THREE Questions Out of FIVE Questions	3 X 15 = 45 Marks